Prepared for

Gulf Power Company
One Energy Place
Pensacola, Florida 32520

2020 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

GULF POWER COMPANY, PLANT CRIST GYPSUM STORAGE AREA

Prepared by

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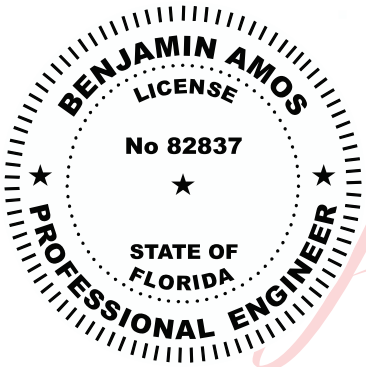
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consultants

CERTIFICATION STATEMENT

This *2020 Annual Groundwater Monitoring and Corrective Action Report, Gulf Power Company – Plant Crist – Gypsum Storage Area* has been prepared in accordance with the requirements of the United States Environmental Protection Agency coal combustion residuals rule (40 Code of Federal Regulations Part 257, Subpart D) under the supervision of a State of Florida licensed Professional Engineer and Professional Geologist with Geosyntec Consultants, Inc.



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EXECUTIVE SUMMARY

In accordance with the United States Environmental Protection Agency ("USEPA") coal combustion residuals ("CCR") rule (40 Code of Federal Regulations Part 257, Subpart D) ("CCR Rule"), this *2020 Annual Groundwater Monitoring and Corrective Action Report* documents CCR groundwater monitoring and remedial evaluation activities completed in 2020 at Gulf Power ("Gulf Power") Company's Plant Crist Gypsum Storage Area ("GSA").

Gulf Power previously installed a CCR groundwater monitoring well network to monitor groundwater within the uppermost aquifer in the vicinity of the GSA. Based on potentiometric data, select CCR network wells (i.e., MW-202, MW-203, MW-204, and MW-205) were reclassified in 2019 as upgradient wells. Monitoring wells in the GSA CCR groundwater monitoring well network are listed below:

- background wells: MW-100, MW-101, MW-107, MW-108, MW-306, and MW-307;
- downgradient wells: MW-200, MW-201, and MW-206; and
- upgradient wells: MW-202, MW-203, MW-204, and MW-205.

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 above background. In accordance with the CCR Rule, Gulf Power initiated an assessment monitoring program for the GSA in March 2018 and continued assessment monitoring activities for the GSA through 2020. Semi-annual assessment monitoring groundwater sample collection events for all CCR Rule Appendix III and Appendix IV constituents were conducted in April and October 2020.

In 2020, analytical data from the November 2019, April 2020, and October 2020 groundwater sampling events were analyzed in accordance with the *Statistical Analysis Plan*. Statistical analysis of this data indicated SSIs of the following CCR Rule Appendix III constituents above background levels: boron, calcium, chloride, fluoride, sulfate, total dissolved solids ("TDS"), and pH. Statistical analysis indicated statistically significant levels ("SSLs") of total radium above its groundwater protection standard ("GWPS") in MW-200, MW-201, and MW-206. In 2019, groundwater characterization activities were implemented to evaluate the nature and extent of total radium downgradient of the GSA.

Delineation activities were largely completed in 2019. In June 2020, Gulf Power completed an *Alternate Source Demonstration* ("ASD"), which documents that naturally occurring sources of radionuclides contribute to elevated activities of total radium observed in wells around the GSA CCR unit. The ASD indicates the natural variation in groundwater quality contributes to the elevated activities of total radium downgradient of the GSA CCR unit. As such, delineation activities around the GSA are now considered complete.

Gulf Power initiated an assessment of corrective measures ("ACM") in January 2019. The *Assessment of Corrective Measures Report* was completed in June 2019. A public meeting was held in December 2019 to discuss the ACM. Gulf Power is currently evaluating options for closure of the GSA. As such, corrective measures evaluation and remedy selection is ongoing

In February 2020, a heavy rainfall event caused an increase in the volume of water conveyed from the GSA CCR unit (Gypsum Storage Pond) to the lined Process Sedimentation Pond (or Reuse Pond, a non-CCR pond), which subsequently overflowed. Gulf Power personnel proactively responded to the one-time overflow event by constructing a temporary berm, increasing the volume of water pumped to the permitted deep injection wells, and pumping water to other permitted ponds to minimize the volume of the release. Documentation of the overflow event and emergency response actions was provided to the Florida Department of Environmental Protection ("FDEP") on March 4, 2020. On March 5, 2020 FDEP performed an inspection of the Site including the ash landfill, the GSA, and associated ponds. In a follow-up letter dated March 19, 2020, FDEP stated that based on the inspection, the Site was in compliance with FDEP rules and regulations. In addition to the emergency response, Gulf Power installed evaporators at the GSA to minimize the potential for future overflow events during heavy rainfall periods.

Gulf Power continued to operate, as conditions allowed, the existing groundwater extraction system in 2020. This system was installed in accordance with Consent Order OGC No. 16-1250 between Gulf Power and the FDEP, which has subsequently been closed. Gulf Power will continue to operate the groundwater extraction system in 2021.

In 2021, the GSA will remain in assessment monitoring.

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1.0 INTRODUCTION

1.1 Overview

On behalf of Gulf Power Company ("Gulf Power"), Geosyntec Consultants, Inc. ("Geosyntec") has prepared this *2020 Annual Groundwater Monitoring and Corrective Action Report* for Gulf Power's Plant Crist ("Site") coal combustion residuals ("CCR") unit Gypsum Storage Area ("GSA"). The purpose of this report is to present a summary of the CCR groundwater activities conducted at the GSA in 2020. This report has been prepared in accordance with the annual reporting requirements of the CCR Rule, section 257.90(e).

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

1.2 Regional Geology & Hydrogeologic Setting

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

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

gravels with interbedded layers of sandy clay and clay. Groundwater in the main producing zone is under semi-confined conditions due to the nature of the low permeability zone that lies above and a regionally extensive confining unit that lies underneath (Richards, 2001).

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

1.3 GSA CCR Unit and Groundwater Monitoring System Descriptions

The GSA is an active gypsum storage pond occupying approximately 14.3 acres. The pond bottom is constructed of an engineered composite liner consisting of 60-mil high-density polyethylene ("HDPE") underlain by a geosynthetic liner. Gypsum, process water, and stormwater are conveyed to the GSA. Decant water from the GSA is managed through gravity feed pipes to two associated ponds – the Process Sedimentation Pond (or Reuse Pond) and the Process Return Water Pond. In December 2020, Gulf Power ceased coal-fired operations at Plant Crist. Gulf Power is currently evaluating options to close the GSA.

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

In the *2018 Annual Groundwater Monitoring and Corrective Action Report* (Geosyntec, 2019a) and prior documents, monitoring wells MW-202, MW-203, MW-204, and MW-205 were included as downgradient wells based on suspected radial groundwater flow from the GSA. However, groundwater monitoring events have consistently demonstrated that groundwater near the GSA flows toward the northeast without observed radial flow from the GSA. Therefore, monitoring wells MW-202, MW-203, MW-204 and MW-205

are hydraulically upgradient of the GSA and were reclassified as upgradient monitoring wells. Monitoring wells in the GSA groundwater monitoring network include:

- background wells: MW-100, MW-101, MW-107, MW-108, MW-306, and MW-307;
- downgradient wells: MW-200, MW-201, and MW-206, and
- upgradient wells: MW-202, MW-203, MW-204, and MW-205.

In 2020, Gulf Power sampled the following wells/piezometers around the GSA to evaluate the nature and extent of identified statistically significant levels ("SSLs") for CCR Rule Appendix IV constituents:

- wells: GE-1D/MW-2032 and GSA-2S; and
- piezometers: PZ-200S, PZ-200D, PZ-201D, and PZ-203D.

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

1.4 Groundwater Corrective Action

As reported by SC (2018), and pursuant to Consent Order OGC No. 16-1250 ("Consent Order"), which has subsequently been closed) between Gulf Power and the Florida Department of Environmental Protection ("FDEP"), Gulf Power installed a groundwater pump and treat system downgradient of the GSA to promote the removal of groundwater impacts resulting from an unpermitted discharge from GSA-related infrastructure (SC, 2018). Extracted groundwater is treated on-Site and disposed through permitted deep injection wells. As reported in the June 2020 *Remedy Selection Semi-Annual Progress Report* (Geosyntec, 2020b), the groundwater extraction and treatment system transitioned in 2020 to serve as a temporary corrective measure for the GSA CCR unit while remedy selection continues. Gulf Power continued to operate, as conditions allowed, the existing groundwater extraction system in 2020. Gulf Power will continue to operate the groundwater extraction and conveyance system as a temporary remedial measure in 2021.

1.5 February 2020 Reuse Pond Overflow Event

Under normal operating conditions water from the GSA CCR unit (Gypsum Storage Pond) is transferred through a decant structure to the lined Process Sedimentation Pond (Reuse Pond, a non-CCR Pond) and is eventually recycled through the plant operations. On February 6, 2020 heavy rainfall caused an increase in the volume of water conveyed from the GSA CCR Unit to the lined Reuse Pond, resulting in a release from the Reuse Pond's emergency overflow spillway. Gulf Power personnel proactively responded to the one-time overflow event by utilizing on-Site materials to construct a temporary berm to contain the release. In addition, Gulf Power increased flow to the permitted deep injection wells and pumped water to other permitted ponds to minimize the volume of the release.

Gulf Power provided documentation of the overflow event and emergency response actions to FDEP in a letter dated March 4, 2020 (Gulf Power, 2020). On March 5, 2020 FDEP performed an inspection of the Site, and the FDEP inspector noted that the "*ash landfill, the GSA, and associated ponds appeared to be functioning properly*" (FDEP, 2020a). In a follow-up letter from FDEP to Gulf Power dated March 19, 2020, FDEP stated that based on the inspection conducted on March 5, 2020, the facility was in compliance with the Department's rules and regulations (FDEP, 2020b).

To further mitigate the potential for a future overflow event, Gulf Power installed evaporators at the GSA in March 2020. As a result of these actions, normal pond operational levels were also decreased to levels that can withstand future heavy rain events (Gulf Power, 2020).

2.0 GROUNDWATER MONITORING ACTIVITIES

The following section describes CCR groundwater monitoring-related activities performed during 2020. Groundwater samples were collected from monitoring wells in the CCR groundwater monitoring and delineation networks shown in **Figure 2**. A summary of groundwater sample collection events completed in 2020 is provided in **Table 2**. Groundwater analytical data associated with these events are summarized in **Table 3**; laboratory analytical reports are included in **Appendix A**.

2.1 Monitoring Well Installation and Maintenance

Monitoring well installation activities were completed for the GSA in 2015 and 2016 (SC, 2018). Construction information for the piezometers installed in 2019 is provided in **Table 1** and locations are shown in **Figure 2**. No additional monitoring wells were installed in 2020.

2.2 Semi-Annual Assessment Monitoring Events

Semi-annual assessment monitoring events were conducted in April and October 2020. During the 2020 semi-annual assessment monitoring events, groundwater samples were collected from each GSA monitoring and delineation well/piezometer **(Figure 2)** and analyzed for CCR Rule Appendix III and Appendix IV constituents.

3.0 SAMPLE METHODOLOGY

The following section describes the methods used to conduct CCR groundwater monitoring at the GSA. Results for CCR Rule Appendix III and Appendix IV constituents are discussed in Section 4.

3.1 Groundwater Elevation Measurement

Prior to each CCR sample collection event, the depth to groundwater was recorded at each CCR groundwater monitoring well network and delineation well/piezometer. Groundwater elevations calculated from the depth to groundwater measurements recorded during the semi-annual assessment monitoring events are summarized in **Table 4**. Site-wide potentiometric surface elevation contour maps developed using groundwater elevation data from each event are presented in **Figures 3** and **4**.

As illustrated on the April 2020 and October 2020 potentiometric surface maps (**Figures 3** and **4**), the general direction of groundwater flow near the GSA is to the north-northeast. The groundwater flow patterns observed at the GSA during the April 2020 and October 2020 assessment monitoring events are generally consistent with observations from 2019 (Geosyntec, 2020a).

3.2 Groundwater Sampling

Groundwater samples were collected in general accordance FDEP Standard Operation Procedure FS2200 (FDEP, 2017) and the CCR Rule. A SmarTroll™ (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 model 2100Q 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**.

3.3 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 (**Appendix A)**.

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

3.5 Quality Assurance & Quality Control Summary

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

Groundwater quality data in this report were independently validated in accordance with United States Environmental Protection Agency ("USEPA") guidance (USEPA, 2011) and the analytical methods employed. Data validation generally consisted of reviewing sample integrity, holding times, laboratory method blanks, laboratory control samples, matrix spikes/matrix spike duplicate recoveries and relative percent differences ("RPDs"), post digestion spikes, laboratory and field duplicate RDPs, field and equipment blanks, and reporting limits. Where appropriate, validation qualifiers and flags are applied to the data using USEPA procedures as guidance (USEPA, 2017). Data validation reports for the November 2019, April 2020, and October 2020 semi-annual assessment monitoring events are included in **Appendix A.**

4.0 STATISTICAL ANALYSIS

The following section describes the statistical methods and analyses performed in 2020.

As stated in Sections 1.3 and 3.3, monitoring wells MW-202, MW-203, MW-204 and MW-205 were reclassified as upgradient wells and are no longer considered to be downgradient of the GSA. Therefore, data from these wells were not included in the statistical analyses for 2020.

4.1 Statistical Method

Statistical analysis of CCR Rule Appendix III and Appendix IV constituents was performed on groundwater monitoring data collected during the November 2019, April 2020, and October 2020 semi-annual assessment monitoring events in accordance with the *Statistical Analysis Plan* ("SAP") (Groundwater Stats Consulting ("GSC"), 2017). The SAP describes Site-specific statistical methods that are used to evaluate CCR groundwater data.

Statistical analysis of 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 USEPA regulations and incorporates methods recommended in the *Statistical Analysis of Groundwater Data at RCRA Facilities, Unified Guidance* (USEPA, 2009).

4.1.1 Appendix III Constituent Statistical Method

Statistical analysis of CCR Rule Appendix III constituents was performed to evaluate if concentrations were consistent with observed background values. Statistical tests used to evaluate the CCR groundwater monitoring data consisted of interwell prediction limits combined with a 1-of-2 resample strategy for the following Appendix III constituents: boron, calcium, chloride, fluoride, sulfate, and total dissolved solids ("TDS"). Interwell prediction limits pool upgradient well data to establish a background prediction limit for an individual constituent, and the most recent sample from each downgradient well is compared to the background prediction limit for each constituent. Intrawell prediction limits combined with a 1-of-2 resample strategy were used to evaluate pH at each well. Intrawell prediction limits are constructed using historical data within a given well and compare the most recent sample to background levels within the same well. The 1-of-2 resample strategy allows for collection of a verification sample when statistically

significant increases ("SSIs") are identified. If the most recent sample exceeded its respective background prediction limit and a verification sample is not collected, an SSI is identified.

4.1.2 Appendix IV Constituent Statistical Method

In accordance with the CCR Rule, 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 is identified only when the entire confidence interval is above the GWPS. Other statistical tests, including time-series plots and trend analyses, were performed in accordance with the SAP. Additional details are presented in the statistical analysis packages provided in the Sanitas™ outputs for the November 2019, April 2020, and October 2020 semi-annual assessment monitoring events provided in **Appendices B**, **C**, and **D**, respectively.

4.2 Statistical Analyses Results

Analytical data from the November 2019, April 2020, and, October 2020 semi-annual assessment monitoring events were analyzed in accordance with the SAP. 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 November 2019, April 2020 and October 2020 semi-annual assessment monitoring events were above background levels. SSIs were identified for the following constituents: boron, calcium, chloride, fluoride, sulfate, total dissolved solids, and pH. As such, assessment monitoring will continue in 2021.

4.2.2 Appendix IV Constituent Statistical Results

Based on the statistical analysis of Appendix IV constituents, total radium SSLs were identified at the following locations: MW-200, MW-201, and MW-206.

As stated in Sections 1.3 and 3.3, monitoring wells MW-203 and MW-204 were reclassified as upgradient monitoring wells. Accordingly, previously detected SSLs for total radium in MW-203 and MW-204 and cobalt in MW-204 are not reflective of downgradient conditions or indicative of impacts to groundwater from the GSA. Gulf Power will continue to monitor these wells in accordance with the CCR Rule to evaluate potential upgradient sources of Appendix IV constituents coming into the GSA.

5.0 ALTERNATE SOURCE DEMONSTRATION AND DELINEATION SAMPLING

In accordance with the CCR Rule, Gulf Power continued to evaluate the nature and extent of total radium downgradient of the GSA. To assist with this evaluation, an analysis of the source of total radium in the vicinity of MW-200, MW-201, and MW-206 was completed and documented in the June 2020 *Alternate Source Demonstration* ("ASD") (**Appendix E**). Conclusions from the total radium ASD were used to evaluate the delineation of total radium.

5.1 Alternate Source Demonstration

Key conclusions of the ASD are briefly summarized below:

- Naturally-occurring uranium and thorium, both of which are parent radionuclides for radium, are present in Site soils as documented by LBG-Guyton (LBG-Guyton, 1998) and further supported by results of soil analysis presented in the ASD. The presence of uranium and thorium indicate the potential for a naturally-occurring source of total radium that may contribute to elevated activities of total radium observed in groundwater downgradient of the GSA CCR unit.
- Total radium can be leached from Site soils at activities higher than the GWPS of 5 picocuries per liter ("pCi/L") when in contact with Site groundwater as evidenced by leaching tests conducted by LBG-Guyton and supported by additional leaching tests documented in the ASD. The contribution of naturally-occurring sources of radionuclides to total radium activities in groundwater was calculated to be in the range of 2.9 to 16.1 pCi/L.
- Total radium (up to 16.5 pCi/L) is present at activities higher than the GWPS of 5 pCi/L in monitoring wells and/or sample locations hydraulically disconnected from the GSA CCR unit (i.e., upgradient and side-gradient of the GSA CCR unit). In addition, the ratio of radium-226 and radium-228 is consistent with the ratio of their parent nuclides observed in Site soil, suggesting a natural source of total radium in Site groundwater.

The ASD indicates that natural variation in groundwater quality contributes to the elevated activities of total radium downgradient of the CCR unit.

5.2 Delineation Sampling

To delineate the nature and extent of total radium at the GSA, samples were collected during the semi-annual assessment monitoring events as described below:

- To delineate the horizontal and vertical extent of total radium at MW-200, Gulf Power sampled PZ-200S and PZ-200D, respectively.
- To delineate the horizontal and vertical extent of total radium at MW-201, Gulf Power sampled GSA-2S and PZ-201D, respectively.
- To delineate the horizontal and vertical extent of total radium at MW-206, Gulf Power sampled GSA-2S and MW2032/GE-1D, respectively.

Results from delineation activities performed during semi-annual monitoring events in 2020 were generally consistent with those reported previously (Geosyntec, 2019a and Geosyntec, 2020a) except at delineation well GSA-2S. Although the total radium activity was below the GWPS of 5 pCi/L in April 2020, GSA-2S had a total radium activity of 11.2 pCi/L in October 2020. Gulf Power will continue to monitor the total radium activity in GSA-2S.

The activity of total radium in delineation wells has generally been below the GWPS of 5 pCi/L, but the activity of total radium in horizontal delineation wells PZ-200S (downgradient of MW-200) and GSA-2S (downgradient of MW-201) has ranged from 2.7 to 11.2 pCi/L. Although this range exceeds the total radium GWPS, it is within the naturally-occurring range documented in the ASD. Based on samples collected to date and conclusions presented in the ASD, horizontal delineation has been completed at the GSA.

6.0 CONCLUSIONS AND FUTURE ACTIONS

In accordance with the CCR Rule, Gulf Power continued implementation of assessment monitoring in 2020. Statistical analysis identified SSLs of total radium downgradient of the GSA. Characterization activities were implemented to evaluate the nature and extent of total radium downgradient of the GSA. Delineation activities were largely completed in 2019. An ASD completed in 2020 documents that naturally occurring sources of radionuclides contribute to the elevated activities of total radium observed in wells around the GSA CCR unit. As such, delineation activities around the GSA are now considered complete.

An Assessment of Corrective Measures ("ACM") was initiated in January 2019 and completed in June 2019 (Geosyntec, 2019b). A public meeting was held in December 2019 to discuss the ACM. Corrective measures evaluation and remedy selection is ongoing, as documented in the June and December 2020 *Remedy Selection Semi-Annual Progress Report* (Geosyntec 2020b; Geosyntec, 2020c). Remedy evaluation activities included assessing temporal constituent concentration trends and options to close the GSA.

Assessment monitoring will continue in 2021. Additionally, Gulf Power will continue to operate the existing groundwater pump and treat system in 2021 to promote the removal of impacted groundwater downgradient of the GSA.

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TABLES

TABLE 1: GROUNDWATER MONITORING LOCATION DETAILS
Gulf Power Company - Plant Crist Gypsum Storage Area, Pensacola, Florida

Monitoring Location	Installation Date	Northing	Easting	Ground Elevation	Top of Casing Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Designation[3]
Gypsum Storage Area - CCR Groundwater Monitoring Network								
MW-100	11/11/2015	578116.11	1107316.00	99.84	103.03	-5.16	-15.16	Background
MW-101	11/10/2015	577158.45	1107724.27	105.10	108.00	-1.90	-11.90	Background
MW-107	11/17/2015	577201.66	1107442.83	111.40	114.71	1.40	-8.60	Background
MW-108	11/17/2015	576208.36	1107577.06	80.51	83.54	-4.49	-14.49	Background
MW-200	11/11/2015	581703.17	1108041.01	17.20	20.13	-2.80	-12.80	Downgradient
MW-201	11/11/2015	581138.29	1108637.91	52.45	52.12	3.15	-6.85	Downgradient
MW-202	11/10/2015	580559.03	1109045.35	55.80	55.45	6.30	-3.70	Upgradient
MW-203	11/9/2015	580100.37	1108497.51	47.46	50.60	-2.54	-12.54	Upgradient
MW-204	11/9/2015	580325.06	1107978.45	16.43	19.47	-3.57	-13.57	Upgradient
MW-205	11/17/2015	581076.41	1107907.46	17.31	20.28	-2.69	-12.69	Upgradient
MW-206	2/9/2016	581888.48	1108613.37	26.25	29.11	1.25	-8.75	Downgradient
MW-306	11/19/2015	578417.11	1106200.44	67.61	70.56	-12.39	-22.39	Background
MW-307	11/19/2015	578209.77	1106865.99	101.11	104.18	-8.89	-18.89	Background
Groundwater Monitoring Locations for Delineation								
PZ-200S	2/5/2019	581853.34	1108016.45	5.09	8.31	-19.83	-24.83	Delineation
GSA-2S	4/13/2017	582073.8	1108707.19	21.03	24.00	-20.97	-30.97	Delineation
PZ-201D	2/6/2019	581161.53	1108641.12	52.02	52.00	-131.98	-136.98	Delineation
MW-2032/GE-1D	6/24/2009	581996.86	1108509.35	18.94	20.77	-77.06	-82.06	Delineation
PZ-200D	1/29/2019	581775.39	1108002.66	8.89	12.03	-129.11	-139.11	Delineation
PZ-203D	7/15/2019	580127.2	1108145.63	12.36	15.44	-178.56	-183.56	Delineation

Notes:

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

TABLE 2: SUMMARY OF 2020 GROUNDWATER SAMPLING EVENTS
Gulf Power Company - Plant Crist Gypsum Storage Area, Pensacola, Florida

Well Name	2020 Semi-Annual Assessment Monitoring Event 1	2020 Semi-Annual Assessment Monitoring Event 2
Gypsum Storage Area - CCR Groundwater Monitoring Network		
MW-100	4/16/2020	10/7/2020
MW-101	4/16/2020	10/7/2020
MW-107	4/16/2020	10/7/2020
MW-108	4/16/2020	10/7/2020
MW-200	4/18/2020	10/12/2020
MW-201	4/22/2020	10/12/2020
MW-202	4/17/2020	10/12/2020
MW-203	4/17/2020	10/9/2020
MW-204	4/17/2020	10/9/2020
MW-205	4/17/2020	10/9/2020
MW-206	4/18/2020	10/12/2020
MW-306	4/16/2020	10/7/2020
MW-307	4/16/2020	10/7/2020
Groundwater Monitoring Locations for Delineation		
PZ-200S	4/25/2020	10/13/2020
GSA-2S	4/25/2020	10/13/2020
PZ-201D	4/24/2020	10/12/2020
MW-2032/GE-1D	4/24/2020	10/12/2020
PZ-200D	4/24/2020	10/13/2020
PZ-203D	4/24/2020	10/12/2020

Notes:

1. Assessment monitoring event includes groundwater samples analyzed for CCR Rule Appendix III and Appendix IV constituents.

TABLE 3: SUMMARY OF 2020 GROUNDWATER LABORATORY ANALYTICAL DATA
Gulf Power Company - Plant Crist Gypsum Storage Area, Pensacola, Florida

Monitoring Well	Well Designation	Sample Date	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Total Radium (pCi/L)	Fluoride (mg/L)	Lead (mg/L)	Lithium (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	pH (SU)	Selenium (mg/L)	Sulfate (mg/L)	TDS (mg/L)	Thallium (mg/L)
Semi-Annual Assessment Monitoring Event 1																							
MW-100	Background	4/16/2020	0.00030 U	0.000078 U	0.020	0.000054 I	0.020	0.000056 U	0.84	6.1	0.00020 U	0.00058	0.971	0.032 U	0.000066 I	0.00060 I	0.000070 U	0.00090 U	5.03	0.00016 U	1.4 U	28	0.000024 U
MW-101	Background	4/16/2020	0.00030 U	0.000078 U	0.0099	0.000043 I	0.013	0.000056 U	0.38	5.8	0.00020 U	0.00035 I	0.497	0.032 U	0.000058 U	0.00038 U	0.000070 U	0.00090 U	5.17	0.00016 U	1.4 U	44	0.000024 U
MW-107	Background	4/16/2020	0.00030 U	0.000078 U	0.012	0.000061 I	0.013	0.000056 U	0.36	5.3	0.00020 U	0.00043 I	0.568	0.032 U	0.000058 U	0.00063 I	0.000070 U	0.00090 U	5.15	0.00016 U	1.4 U	18	0.000024 U
MW-108	Background	4/16/2020	0.00030 U	0.000078 U	0.012	0.000034 U	0.017	0.000056 U	1.3	5.6	0.00020 U	0.00021 I	1.35	0.032 U	0.000058 U	0.00038 U	0.000070 U	0.00090 U	4.96	0.00040	1.7 I	8.0	0.000024 U
MW-306	Background	4/16/2020	0.00030 U	0.000078 U	0.014	0.000034 U	0.0075 I	0.000056 U	0.53	6.2	0.00020 U	0.00029 I	0.588	0.032 U	0.000058 U	0.00038 U	0.000070 U	0.00090 U	5.13	0.00016 U	1.4 U	6.0	0.000024 U
MW-307	Background	4/16/2020	0.00030 U	0.000078 U	0.017	0.000034 U	0.0055 I	0.000056 U	0.59	4.9	0.00020 U	0.00053	0.264 U	0.032 U	0.00016 I	0.00091 I	0.000070 U	0.00090 U	5.58	0.00016 U	1.4 U	8.0	0.000024 U
MW-200	Downgradient	4/18/2020	0.00030 U	0.00044	0.025	0.000045 I	1.6	0.00091 V	40	59	0.00020 U	0.00048 I	2.42	0.032 U	0.00042	0.00038 U	0.00013 I	0.00090 U	5.20	0.0028	64	240	0.000058 I
MW-201	Downgradient	4/22/2020	0.00030 U	0.000078 U	0.048	0.000069 I	4.2	0.0013	61	120	0.00020 U	0.00091	7.20	0.39	0.00050	0.0024	0.00040	0.00090 U	4.69	0.0037	130	600	0.00015
MW-202	Upgradient	4/17/2020	0.00030 U	0.000078 U	0.042	0.000067 I	0.16	0.000056 U	7.2	15	0.00023 I	0.0015	1.59	0.032 U	0.00031	0.00064 I	0.00055	0.00090 U	4.62	0.00066	25	110	0.000024 U
MW-203	Upgradient	4/17/2020	0.00030 U	0.000083 I	0.026	0.000040 I	0.45	0.000056 U	28	15	0.00020 U	0.0010	3.21	0.032 U	0.00015 I	0.00038 U	0.000070 U	0.00090 U	5.04	0.0014	69	100	0.000043 I
MW-204	Upgradient	4/17/2020	0.00030 U	0.000078 U	0.030	0.00054	4.3	0.000056 U	62	80	0.00049 I	0.0088	9.90	0.20 V	0.0020	0.0014	0.00015 I	0.00090 U	4.40	0.0036	320	530	0.00029
MW-205	Upgradient	4/17/2020	0.00030 U	0.00015 I	0.075	0.00013 I	2.6	0.000056 U	41	64	0.00020 I	0.0017	2.75	0.040 I V	0.00059	0.00074 I	0.00012 I	0.00090 U	4.95	0.0013	150	310	0.000084 I
MW-206	Downgradient	4/18/2020	0.00030 U	0.00086	0.056	0.000041 I	17	0.00029 I V	320	660	0.00020 U	0.0016	7.03	0.032 U	0.00057	0.00038 U	0.000070 U	0.00090 U	5.00	0.0085	250	1700	0.00023
PZ-200S	Delineation	4/25/2020	0.00030 U	0.00042	0.050	0.000037 I	13	0.00011 I	210	460	0.00020 U	0.0051	7.74	0.032 U	0.00063	0.00042 I	0.00039	0.00090 U	4.71	0.0029	200	1500	0.00018
GSA-2S	Delineation	4/25/2020	0.00030 U	0.000093 I	0.037	0.000072 I	1.9	0.00019 I	40	84	0.00020 U	0.00087	4.58	0.032 U	0.00081	0.00066 I	0.000070 U	0.00090 U	4.48	0.0013	35	270	0.000041 I
PZ-200D	Delineation	4/24/2020	0.00030 U	0.000078 U	0.031	0.000034 U	0.36 U	0.000056 U	4.2	4.0	0.00088	0.00013 I	0.496 U	0.080 I V	0.00024 I	0.0010	0.000070 U	0.00090 U	6.68	0.00016 U	7.8	44	0.000024 U
PZ-201D	Delineation	4/24/2020	0.00030 U	0.000078 U	0.062	0.000034 U	0.023	0.000056 U	6.2	3.5	0.00034 I	0.00011 U	0.484	0.050 I V	0.00016 I	0.0096	0.000070 U	0.00090 U	6.78	0.00016 U	1.9 I	16	0.000024 U
MW-2032/GE-1D	Delineation	4/24/2020	0.00030 U	0.000078 U	0.020	0.00011 I	0.010	0.000056 U	6.4	28	0.00020 U	0.0016	0.890	0.032 U	0.00020 I	0.0026	0.000070 U	0.00090 U	4.84	0.00016 U	2.8 I	42	0.000025 I
PZ-203D	Delineation	4/24/2020	0.00030 U	0.000078 U	0.025	0.000034 U	0.020	0.000056 U	4.2	4.0	0.00020 U	0.00011 U	0.945	0.032 U	0.000058 U	0.013	0.000070 U	0.00090 U	6.87	0.00016 U	3.3 I	36	0.000024 U
Semi-Annual Assessment Monitoring Event 2																							
MW-100	Background	10/7/2020	0.0015 U	0.00039 U	0.02	0.0014 I V	0.018 U	0.00028 U	0.93	6.6	0.001 U	0.0006 I	1.14	0.032 U	0.00029 U	0.0054 V	0.00007 U	0.0045 U	4.74	0.00082 U	1.4 U	30	0.00012 U
MW-101	Background	10/7/2020	0.0015 U	0.00056 I	0.0088	0.0014 I V	0.018 U	0.00028 U	0.47	5.9	0.0046	0.00056 U	1.07	0.032 U	0.00029 U	0.0052 V	0.00007 U	0.0045 U	5.08	0.00082 U	1.4 U	24	0.00012 U
MW-107	Background	10/7/2020	0.0015 U	0.00039 U	0.012	0.0015 I V	0.018 U	0.00028 U	0.43	5.7	0.001 I	0.00056 U	0.763	0.032 U	0.00029 U	0.0054 V	0.00025 V	0.0045 U	4.91	0.00082 U	1.4 U	20	0.00012 U
MW-108	Background	10/7/2020	0.0015 U	0.00039 U	0.011	0.0015 I V	0.018 U	0.00028 U	1.6	5.1	0.0015 I	0.00056 U	1.75	0.032 U	0.00029 U	0.0048 I V	0.00013 I V	0.0045 U	4.80	0.00082 U	4 I	26	0.00012 U
MW-306	Background	10/12/2020	0.0015 U	0.00064 I	0.013	0.0014 I V	0.018 U	0.00028 U	0.63	6.1	0.0033	0.00056 U	0.709 U	0.032 U	0.00029 U	0.005 V	0.00008 I V	0.0045 U	5.13	0.00082 U	1.4 U	16	0.00012 U
MW-307	Background	10/12/2020	0.0015 U	0.00039 U	0.016	0.0014 I V	0.018 U	0.00028 U	0.67	4.7	0.0017 I	0.00056 U	0.46 U	0.032 U	0.00029 U	0.0049 I V	0.00007 U	0.0045 U	5.50	0.00082 U	1.4 U	12	0.00012 U
MW-200	Downgradient	10/12/2020	0.0015 U	0.00039 U	0.025	0.00017 U	3	0.00028 U	74	130	0.001 U	0.00056 U	4.51	0.032 U	0.00034 I	0.0019 U	0.00017 I	0.0045 U	5.30	0.0025	64	600	0.00014 I
MW-201	Downgradient	10/9/2020	0.0015 U	0.00039 U	0.038	0.00017 U	3.3	0.0015 I	58	82	0.0011 I	0.0014 I	7.02	0.46	0.0005 I	0.0026 I	0.00026	0.0045 U	4.56	0.003	110	460	0.00025 I
MW-202	Upgradient	10/9/2020	0.0015 U	0.00087 I	0.026	0.00017 U	0.25	0.00028 U	8.2	13	0.0025	0.0014 I	1.86	0.032 U	0.00029 U	0.0019 U	0.00012 I	0.0045 U	4.88	0.00082 U	24	96	0.00012 U
MW-203	Upgradient	10/9/2020	0.0015 U	0.00071 I	0.021	0.00017 U	0.62	0.00028 U	32	20	0.0022 I	0.00081 I	3.55	0.032 U	0.00029 U	0.0019 U	0.00007 U	0.0045 U	5.38	0.0009 I	70	210	0.00014 I
MW-204	Upgradient	10/12/2020	0.0015 U	0.00039 U	0.026	0.00017 U	5.1	0.00028 U	63	81	0.001 U	0.012	8.13	0.22	0.0019	0.0019 U	0.0001 I	0.0045 U	4.21	0.0036	300	1300	0.00037 I
MW-205	Upgradient	10/7/2020	0.0015 U	0.00098 I	0.032	0.00017 U	1.4	0.00028 U	27	40	0.001 U	0.0023 I	2.24	0.04 I	0.00051 I	0.0019 U	0.00015 I	0.0045 U	4.82	0.002	100	250	0.00016 I
MW-206	Downgradient	10/7/2020	0.0015 U	0.0017	0.051	0.00017 U	17	0.00028 U	300	610	0.001 U	0.0019 I	9.54	0.04 I	0.00085 I	0.0019 U	0.00007 U	0.0045 U	4.82	0.0071	230	2200	0.00033 I
PZ-200S	Delineation	10/13/2020	0.0015 U	0.00053 I V	0.041	0.00017 U	7.8	0.00028 U	170	300	0.001 U	0.0018 I	5.33	0.032 U	0.00032 I	0.0019 U	0.00023	0.0045 U	5.08	0.0018	140	1100	0.00019 I
GSA-2S	Delineation	10/13/2020	0.0015 U	0.00039 U	0.086	0.00017 U	6.1	0.00028 U	130	220	0.001 U	0.0015 I	11.2	0.05 I	0.0013	0.0019 U	0.000096 I	0.0045 U	4.27	0.0036	100	88	0.00014 I
PZ-200D	Delineation	10/13/2020	0.0015 U	0.00088 I V	0.029	0.00017 U	0.023 I	0.00028 U	4.7	3.8	0.001 U	0.00056 U	0.781	0.07 I	0.00029 U	0.0019 U	0.00007 U	0.0045 U	6.79	0.00082 U	9	76	0.00012 U
PZ-201D	Delineation	10/12/2020	0.0015 U	0.00039 U	0.06	0.00017 U	0.036 I	0.00028 U	9.2	4.8	0.0014 I	0.00056 U	-0.479 U	0.06 I	0.00029 U	0.022	0.00007 U	0.0045 U	7.03	0.00082 U	1.4 U	88	0.00012 U
MW-2032/GE-1D	Delineation	10/12/2020	0.0015 U	0.00093 I V	0.087	0.00017 U	0.064	0.00028 U	160	240	0.0033	0.00061 I	1.71	0.032 U	0.00029 U	0.01	0.00007 U	0.0045 U	7.21	0.00082 U	5.8	1100	0.00012 U
PZ-203D	Delineation	10/12/2020	0.0015 U	0.00039 U	0.021	0.00017 U	0.018 U	0.00028 U	4	4.1	0.001 U	0.00056 U	0.0901 U	0.032 U	0.00029 U	0.0092	0.00007 U	0.0045 U	6.65	0.00082 U	4.4 I	46	0.00012 U

Notes:

1. mg/L indicates milligrams per liter, pCi/L indicates picocuries per liter, SU indicates standard units.
2. TDS indicates Total Dissolved Solids.
3. "U" indicates analyte was analyzed but not detected.
4. "V" indicates that the analyte was detected at or above the method detection limit in both the sample and associated method blank and the value of 10 times the blank was equal to or greater than the associated sample value.
5. "I" indicates that the reported value is between laboratory method detection limit and laboratory practical quantitation limit.
6. Data validation was performed on both the semi-annual assessment monitoring events of 2020 and the second from 2019. Data validation flags are not included in Table 3. Data validation reports are included in Appendix A.
7. Total Radium is defined as the combined concentrations of Radium 226 and Radium 228.

TABLE 4: SUMMARY OF 2020 GROUNDWATER ELEVATIONS
Gulf Power Company - Plant Crist Gypsum Storage Area, Pensacola, Florida

Monitoring Well	Northing	Easting	Top of Casing Elevation	Date	Depth to Water	Groundwater Elevation
MW-100	578116.11	1107316.00	103.03	4/13/2020	90.58	12.45
MW-101	577158.45	1107724.27	108.00	4/13/2020	95.97	12.03
MW-107	577201.66	1107442.83	114.71	4/13/2020	101.61	13.10
MW-108	576208.36	1107577.06	83.54	4/13/2020	69.51	14.03
MW-200	581703.17	1108041.01	20.13	4/13/2020	17.78	2.35
MW-201	581138.29	1108637.91	52.12	4/13/2020	48.19	3.93
MW-202	580559.03	1109045.35	55.45	4/13/2020	51.38	4.07
MW-203	580100.37	1108497.51	50.60	4/13/2020	45.21	5.39
MW-204	580325.06	1107978.45	19.47	4/13/2020	13.57	5.90
MW-205	581076.41	1107907.46	20.28	4/13/2020	16.15	4.13
MW-206	581888.48	1108613.37	29.11	4/13/2020	26.24	2.87
MW-306	578417.11	1106200.44	70.56	4/13/2020	56.34	14.22
MW-307	578209.77	1106865.99	104.18	4/13/2020	90.86	13.32
PZ-200S	581853.34	1108016.45	8.31	4/13/2020	6.74	1.57
GSA-2S	582073.8	1108707.19	24.00	4/13/2020	22.10	1.90
PZ-201D	581161.53	1108641.12	52.00	4/13/2020	46.57	5.43
GE-1D/MW-2032	581996.86	1108509.35	20.77	4/13/2020	17.26	3.51
PZ-200D	581775.39	1108002.66	12.03	4/13/2020	6.29	5.74
PZ-203D	580127.2	1108145.63	15.44	4/13/2020	8.17	7.27

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

TABLE 4: SUMMARY OF 2020 GROUNDWATER ELEVATIONS
Gulf Power Company - Plant Crist Gypsum Storage Area, Pensacola, Florida

Monitoring Well	Northing	Easting	Top of Casing Elevation	Date	Depth to Water	Groundwater Elevation
MW-100	578116.11	1107316.00	103.03	10/6/2020	90.07	12.96
MW-101	577158.45	1107724.27	108	10/6/2020	95.56	12.44
MW-107	577201.66	1107442.83	114.71	10/6/2020	101.34	13.37
MW-108	576208.36	1107577.06	83.54	10/6/2020	69.42	14.12
MW-200	581703.17	1108041.01	20.13	10/6/2020	15.60	4.53
MW-201	581138.29	1108637.91	52.12	10/6/2020	46.70	5.42
MW-202	580559.03	1109045.35	55.45	10/6/2020	49.74	5.71
MW-203	580100.37	1108497.51	50.6	10/6/2020	43.47	7.13
MW-204	580325.06	1107978.45	19.47	10/6/2020	11.83	7.64
MW-205	581076.41	1107907.46	20.28	10/6/2020	14.93	5.35
MW-206	581888.48	1108613.37	29.11	10/6/2020	24.42	4.69
MW-306	578417.11	1106200.44	70.56	10/6/2020	55.79	14.77
MW-307	578209.77	1106865.99	104.18	10/6/2020	90.34	13.84
PZ-200S	581853.34	1108016.45	8.31	10/6/2020	4.88	3.43
GSA-2S	582073.8	1108707.19	24.00	10/6/2020	20.53	3.47
PZ-201D	581161.53	1108641.12	52.00	10/6/2020	45.11	6.89
GE-1D/MW-2032	581996.86	1108509.35	20.77	10/6/2020	16.10	4.67
PZ-200D	581775.39	1108002.66	12.03	10/6/2020	5.15	6.88
PZ-203D	580127.2	1108145.63	15.44	10/6/2020	7.00	8.44

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

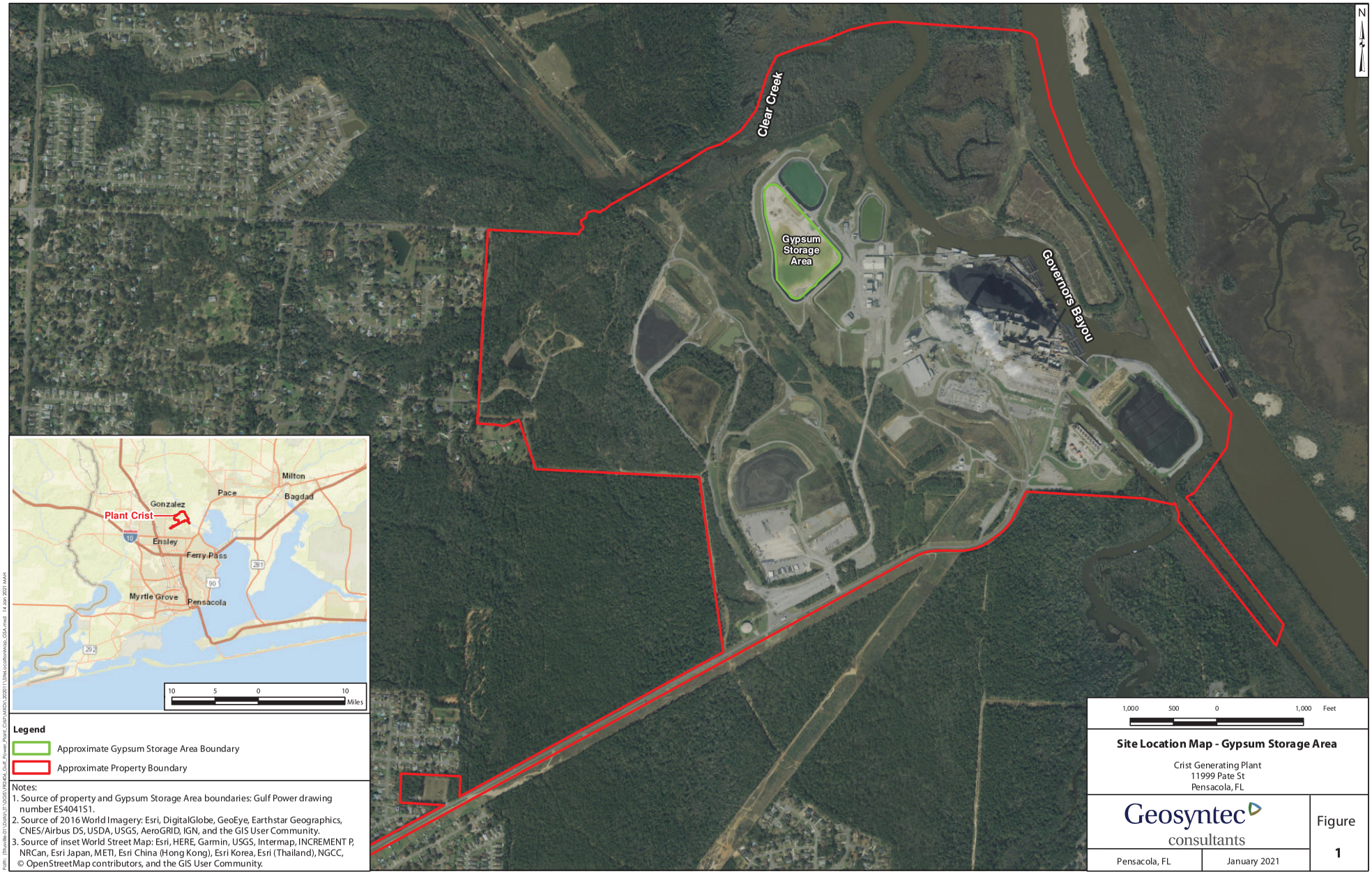
TABLE 5: SUMMARY OF BACKGROUND LIMITS AND GROUNDWATER PROTECTION STANDARDS
Gulf Power Company - Plant Crist Gypsum Storage Area, Pensacola, Florida

Analyte	Units[1]	USEPA CCR Rule Specified Limit	October 2019		April 2020		October 2020	
			Background[3]	Site-Specific GWPS[4]	Background[3]	Site-Specific GWPS[4]	Background[3]	Site-Specific GWPS[4]
Antimony	mg/L	0.006	0.0025	0.006	0.0025	0.006	0.0025	0.006
Arsenic	mg/L	0.01	0.0013	0.01	0.0013	0.01	0.0013	0.01
Barium	mg/L	2	0.019	2	0.019	2	0.019	2
Beryllium	mg/L	0.004	0.0005	0.004	0.0005	0.004	0.0015	0.004
Cadmium	mg/L	0.005	0.0005	0.005	0.0005	0.005	0.0025	0.005
Chromium	mg/L	0.1	0.0059	0.1	0.0059	0.1	0.0059	0.1
Cobalt[2]	mg/L	0.006	0.0032	0.006	0.0032	0.006	0.0032	0.006
Fluoride	mg/L	4	0.12	4	0.12	4	0.12	4
Lead[2]	mg/L	0.015	0.001	0.015	0.001	0.015	0.001	0.015
Lithium[2]	mg/L	0.04	0.0037	0.04	0.0037	0.04	0.0054	0.04
Mercury	mg/L	0.002	0.0002	0.002	0.0002	0.002	0.0003	0.002
Molybdenum[2]	mg/L	0.1	0.0042	0.1	0.0042	0.1	0.015	0.1
Selenium	mg/L	0.05	0.0025	0.05	0.0025	0.05	0.0025	0.05
Thallium	mg/L	0.002	0.0001	0.002	0.0001	0.002	0.0005	0.002
Total Radium-226/228	pCi/L	5	2.5	5	2.364	5	2.252	5

Notes:

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

FIGURES



Legend

- Approximate Gypsum Storage Area Boundary
- Approximate Property Boundary

Notes:
1. Source of property and Gypsum Storage Area boundaries: Gulf Power drawing number ES4041S1.
2. Source of 2016 World Imagery: 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 - Gypsum Storage Area

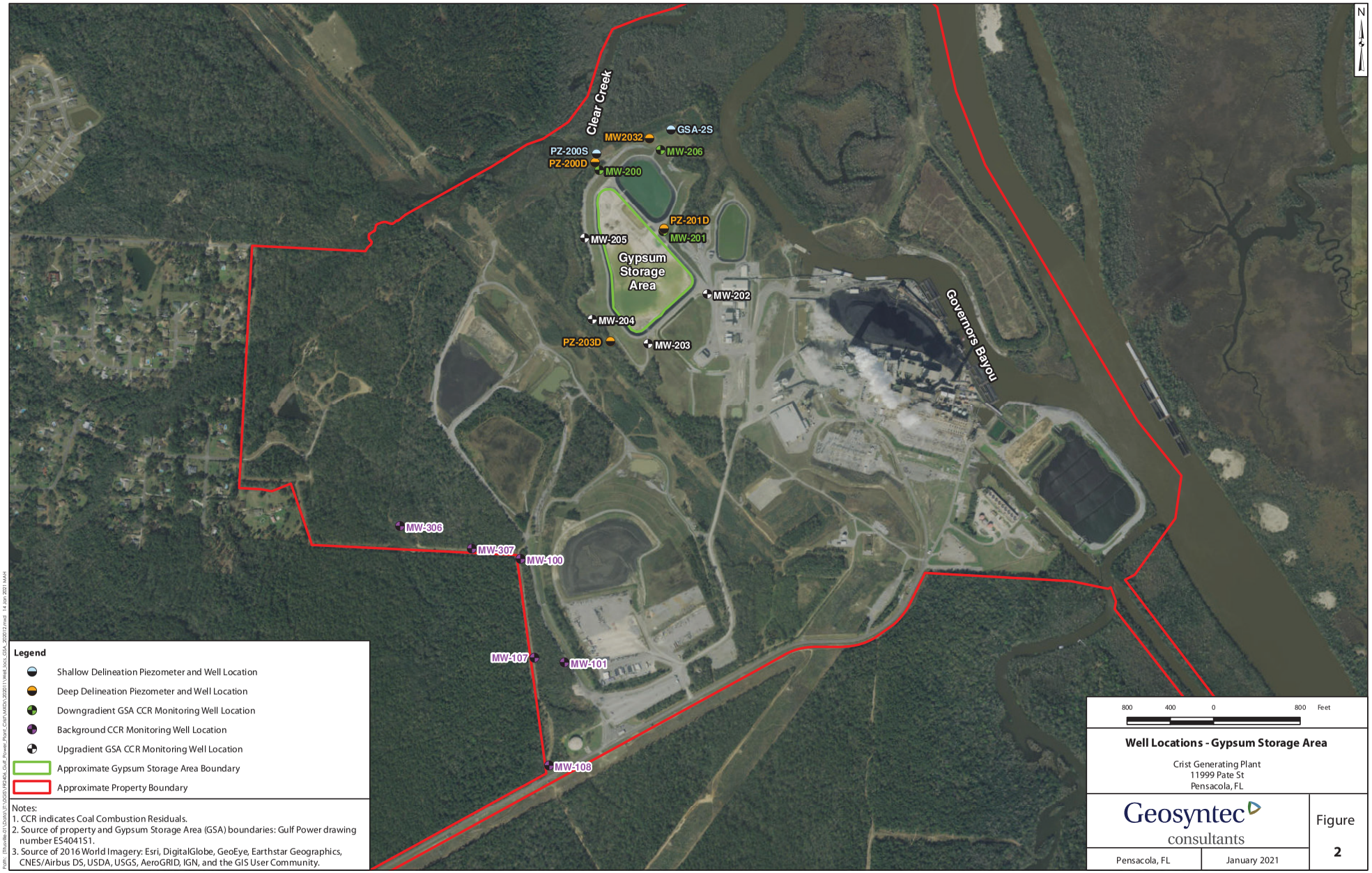
Crist Generating Plant
11999 Pate St
Pensacola, FL

Geosyntec consultants

Pensacola, FL | January 2021

Figure 1

Path: [Thorville-01\Jobs\JT-\GIS\19R240L_Gulf_Power_Plant_Crist\MXDs\20201113SiteLocationMap_GSA.mxd 14 Jan 2021 MAH



Legend

- Shallow Delineation Piezometer and Well Location
- Deep Delineation Piezometer and Well Location
- Downgradient GSA CCR Monitoring Well Location
- Background CCR Monitoring Well Location
- Upgradient GSA CCR Monitoring Well Location
- Approximate Gypsum Storage Area Boundary
- Approximate Property Boundary

Notes:
1. CCR indicates Coal Combustion Residuals.
2. Source of property and Gypsum Storage Area (GSA) boundaries: Gulf Power drawing number ES4041S1.
3. Source of 2016 World Imagery: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

Well Locations - Gypsum Storage Area

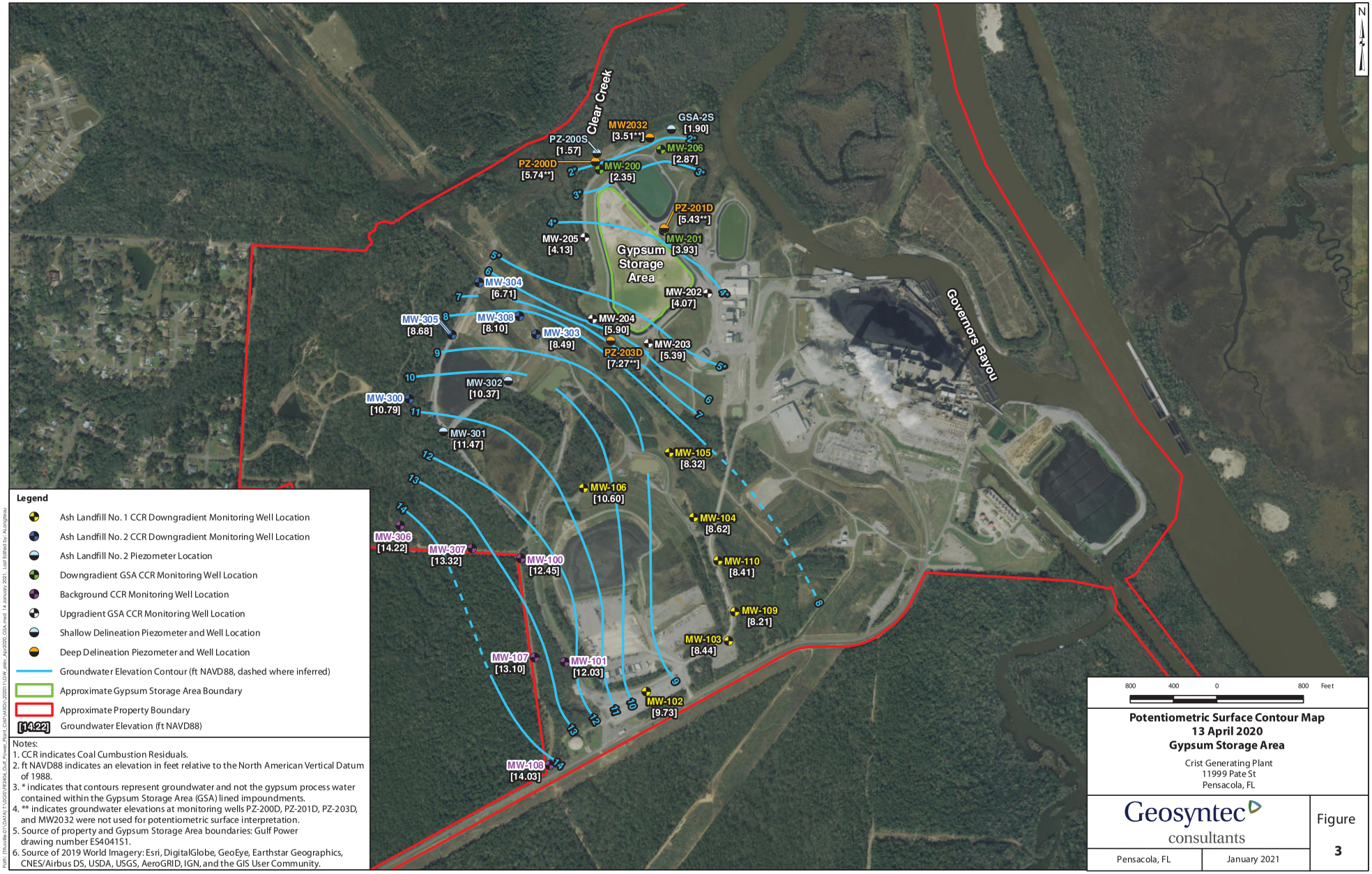
Crist Generating Plant
11999 Pate St
Pensacola, FL

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Figure 2

Path: [Tallahassee-01\Jobs\JT-\GGIS\FR240s_Gulf_Power_Plant_Crist\MXDs\220111Well_locs_GSA_202012.mxd 14 Jan 2021 MAH



Legend

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

Notes:
1. CCR indicates Coal Cumbustion Residuals.
2. ft NAVD88 indicates an elevation in feet relative to the North American Vertical Datum of 1988.
3. * indicates that contours represent groundwater and not the gypsum process water contained within the Gypsum Storage Area (GSA) lined impoundments.
4. ** indicates groundwater elevations at monitoring wells PZ-200D, PZ-201D, PZ-203D, and MW2032 were not used for potentiometric surface interpretation.
5. Source of property and Gypsum Storage Area boundaries: Gulf Power drawing number ES4041S1.
6. Source of 2019 World Imagery: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

Potentiometric Surface Contour Map
13 April 2020
Gypsum Storage Area

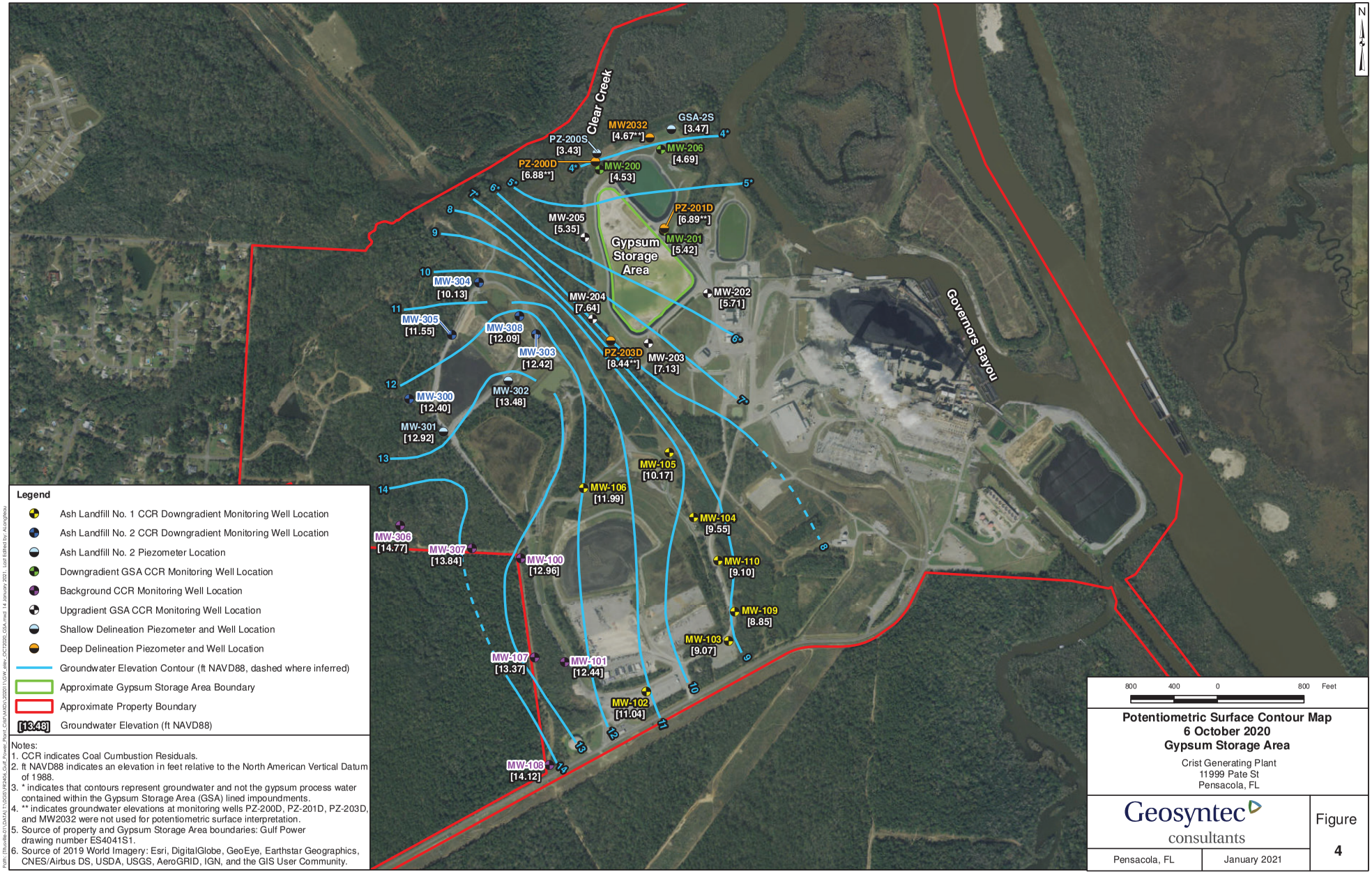
Crist Generating Plant
11999 Pate St
Pensacola, FL

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Pensacola, FL | January 2021

Figure 3

Path: (\\tallville-01\DATA) I:\GGR\FR24\Gulf_Power_Plant_Crist\MXD\20201\GW_elev_Apr2020_GSA.mxd 14 January 2021 - Last Edited by: ALonghetau



Legend

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

Notes:
1. CCR indicates Coal Cumbustion Residuals.
2. ft NAVD88 indicates an elevation in feet relative to the North American Vertical Datum of 1988.
3. * indicates that contours represent groundwater and not the gypsum process water contained within the Gypsum Storage Area (GSA) lined impoundments.
4. ** indicates groundwater elevations at monitoring wells PZ-200D, PZ-201D, PZ-203D, and MW2032 were not used for potentiometric surface interpretation.
5. Source of property and Gypsum Storage Area boundaries: Gulf Power drawing number ES4041S1.
6. Source of 2019 World Imagery: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

Potentiometric Surface Contour Map
6 October 2020
Gypsum Storage Area

Crist Generating Plant
11999 Pate St
Pensacola, FL

Geosyntec consultants

Pensacola, FL | January 2021

Figure 4

Path: [Pensville-01\DATA] T:\GIS\FR24\Gulf_Power_Plant_Crist\MXD\2020\1\GW_elev_OCT2020_GSA.mxd 14 January 2021 Last Edited by: ALongbotou

APPENDIX A

Laboratory Analytical, Field Sampling Reports, and Data Validation Reports

Geosyntec consultants

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Memorandum

Date:	March 31, 2020
To:	Lane Dorman
From:	Jennifer Pinion
CC:	J. Caprio
Subject:	**Stage 2A Data Validation - Level II Data Deliverable – Eurofins TestAmerica Job ID 400-179133-1**

SITE: Plant Crist

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of six aqueous samples and one field duplicate, collected November 6, 2019, as part of the CCR Plant Crist sampling event.

The samples were analyzed at Eurofins TestAmerica, Pensacola, Florida, for the following analytical tests:

- Metals by United States (US) Environmental Protections Agency (EPA) Methods 3005A/6020
- Mercury by US EPA Method 7470A
- Total Dissolved Solids (TDS) by Standard Method 2540C
- Chloride by Standard Method 4500 CL-E
- Fluoride by Standard Method 4500 F C
- Sulfate by Standard Method 4500 SO4 E

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

- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, January 2017 (US EPA 540-R-2017-001).

The following samples were analyzed and reported in the laboratory report:

Laboratory ID	Client ID
400-179133-1	MW-100
400-179133-2	MW-101
400-179133-3	MW-107
400-179133-4	MW-108

Laboratory ID	Client ID
400-179133-5	MW-306
400-179133-6	MW-307
400-179133-7	DUP-01

The chain of custody (COC) indicates the samples were received within 0-6ºC. No preservation issues were noted by the laboratory.

1.0 METALS

The samples were analyzed for metals by US EPA methods 3005A/6020.

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 data package 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%.

1.1.2 Analysis Anomaly

The laboratory narrative notes that due to analytical oversight more than 10 samples are bracketed between reportable QC. Based on professional and technical judgement, no qualifications were applied to the data.

The laboratory noted that the internal standard responses were outside of acceptance limits and/or continuing calibration verification (CCV) failed high in analytical batch 465937. The samples were reanalyzed; therefore, no qualifications were applied to the data.

1.2 Holding Time

The holding time for the metals analysis 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 (batches 465553 and 472739). Metals were not detected in the method blanks above the method detection limits (MDLs), with the following exceptions.

Arsenic, barium and boron were detected in the method blank in batch 465553 at estimated concentrations greater than the MDL and less than the practical quantitation limit (PQL). Therefore, the estimated concentrations of arsenic and boron greater than the MDL and less than the PQL in the associated samples were U qualified as not detected at the PQL. No qualifications were applied to the concentrations of barium or boron greater than the PQL.

Boron was detected in the method blank in batch 472739 at an estimated concentration greater than the MDL and less than the PQL. Since boron was detected in the associated sample at a concentration greater than the RL, no qualifications were applied to the data.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
MW-100	Arsenic	0.00020	I V	0.00025	U	3
MW-101	Arsenic	0.00019	I V	0.00025	U	3
MW-107	Arsenic	0.00020	I V	0.00025	U	3
MW-108	Arsenic	0.00012	I V	0.00025	U	3

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
MW-306	Arsenic	0.00014	I V	0.00025	U	3
MW-307	Arsenic	0.00024	I V	0.00025	U	3
DUP-01	Arsenic	0.00013	I V	0.00025	U	3
MW-307	Boron	0.0099	I V	0.010	U	3

mg/L- milligram per liter
I- laboratory flag indicating the reported value is between the laboratory MDL and the laboratory PQL.
V- laboratory flag indicating that the analyte was detected at or above the MDL 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.
* 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). One sample specific MS/MSD pair was reported, using sample MW-100. The recovery and relative percent difference (RPD) results were within the laboratory specified acceptance criteria. In addition, one batch MS/MSD was 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

An equipment blanks was not collected with the sample set.

1.7 Field Blank

A field blank was not collected with the sample set.

1.8 Field Duplicate

One field duplicate was reported with the sample set, DUP-01. Acceptable precision (RPD ≤30%) was demonstrated between the field duplicate and the original sample, MW-108.

1.9 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

1.10 Electronic Data Deliverable (EDD) Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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 data package 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). One method blank was reported (batch 462974). 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). One batch MS/MSD pair was 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). One LCS was reported. The recovery result was within the laboratory specified acceptance criteria.

2.6 Equipment Blank

An equipment blank was not collected with the sample set.

2.7 Field Blank

A field blank was not collected with the sample set.

2.8 Field Duplicate

One field duplicate was reported with the sample set, DUP-01. Acceptable precision (RPD ≤30%) was demonstrated between the field duplicate and the original sample, MW-108.

2.9 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

2.10 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

3.0 WET CHEMISTRY

The samples were analyzed for chloride by Standard Method 4500 Cl-E, fluoride by Standard Method 4500 F C, sulfate by Standard Method 4500 SO4 E and TDS by Standard Method 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 data package 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 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 465489 and 465652, chloride batches 465100 and 465276, sulfate batch 465094, fluoride batch 465902). 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 and sulfate, both using sample MW-101. The recovery and RPD results were within the laboratory specified acceptance criteria with the following exceptions.

The laboratory narrative notes that spike compounds for sulfate were omitted during the extraction process for the MS/MSD. However, based on the LCS results and professional and technical judgement, no qualifications were applied to the data.

Batch MS/MSD pair were also reported for chloride and fluoride. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

3.5 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.

3.6 Laboratory Duplicate

A sample set specific laboratory duplicate was reported for TDS using sample MW-307. The RPD result was not within the laboratory specified acceptance criteria.

The RPD for TDS in the duplicate using sample MW-307 was high and outside the laboratory specified acceptance criteria. However, since the original sample and the duplicate are less than 5 times the PQL and the absolute difference between the two results is less than the PQL, no qualifications were applied to the data.

One batch laboratory duplicate was also reported for TDS. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

3.7 Equipment Blank

An equipment blank was not collected with the sample set.

3.8 Field Blank

A field blank was not collected with the sample set.

3.9 Field Duplicate

One field duplicate was reported with the sample set, DUP-01. Acceptable precision (RPD ≤30%) was demonstrated for the wet chemistry parameters between the field duplicate and the original sample, MW-108, with the following exception.

TDS were detected in the field duplicate at a concentration greater than the PQL and not detected in sample MW-108, resulting in a non-calculable RPD. Therefore, based on professional and technical judgement, the concentration of TDS was J qualified as estimated and the non-detect TDS result was UJ qualified as estimated less than the MDL.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	RPD	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-108	TDS	3.4	U	NC	3.4	UJ	7
DUP-01	TDS	120	NA		120	J	7

mg/L- milligram per liter
U-not detected at or above the MDL or MRL
NA-not applicable
NC-non-calculable

3.10 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

3.11 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

---

* * * * *

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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.

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ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

Valid Value	Description
1	Preservation requirement not met
2	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
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

RPD-relative percent difference

Geosyntec consultants

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Memorandum

Date:	April 2, 2020
To:	Lane Dorman
From:	Kristoffer Henderson
CC:	J. Caprio
Subject:	**Stage 2A Data Validation - Level II Data Deliverable – Eurofins TestAmerica Job ID 180-179133-2**

SITE: Plant Crist

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of six water samples and one field duplicate, collected November 6, 2019, as part of the Plant Crist sampling event.

The samples were reported by Eurofins TestAmerica (ETA), Pensacola, FL and analyzed at ETA, St Louis, MO, for the following analytical tests:

- Radium-226 by United States (US) Environmental Protection Agency (EPA) Method 9315
- Radium-228 by US EPA Method 9320
- Combined Radium 226 + 228 by Calculation

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data are usable for supporting project objectives.

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 report:

Laboratory ID	Client ID
400-179133-1	MW-100
400-179133-2	MW-101
400-179133-3	MW-107
400-179133-4	MW-108

Laboratory ID	Client ID
400-179133-5	MW-306
400-179133-6	MW-307
400-179133-7	DUP-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 combine 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

The radium-226 and radium-228 data reported in this data package are considered usable for meeting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this sample set is 100%.

1.2 Holding Times

The holding time for the radiochemistry 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). Method blanks were reported for radium-226 (batch 449863) and radium-228 (batch 449864). The radiochemistry parameters were not detected in the method blanks above the minimum detectable concentrations (MDCs).

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). LCS/LCS duplicate (LCSD) pairs were reported for radium-226 and 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

An equipment blank was not collected with the sample set.

1.8 Field Blank

A field blank was not collected with the sample set.

1.9 Field Duplicate

One field duplicate was reported with the sample set, DUP-01. Acceptable precision (RER $\leq$ 3) was demonstrated between the field duplicate and the original sample, MW-108.

1.10 Sensitivity

The samples were reported to the MDCs. No elevated non-detect results were reported.

1.11 Electronic Data Deliverable (EDD) Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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	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
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

RPD-relative percent difference

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Memorandum

Date:	March 31, 2020
To:	Lane Dorman
From:	Jennifer Pinion
CC:	J. Caprio
Subject:	**Stage 2A Data Validation - Level II Data Deliverable – Eurofins TestAmerica Job ID 400-179448-1**

SITE: CCR Plant Crist

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of seven aqueous samples, one field blank, one equipment blank and one field duplicate, collected November 12, 2019, as part of the Plant Crist 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 2540C
- Chloride by Standard Method 4500 CL-E
- Fluoride by Standard Method 4500 F C
- Sulfate by Standard Method 4500 SO4 E

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
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, January 2017 (EPA 540-R-2017-001).

The following samples were analyzed and reported in the laboratory report:

Laboratory IDs	Client IDs
400-179448-1	MW-200
400-179448-2	MW-201
400-179448-3	MW-202
400-179448-4	MW-203
400-179448-5	MW-204

Laboratory IDs	Client IDs
400-179448-6	MW-205
400-179448-7	MW-206
400-179448-8	DUP-1
400-179448-9	FB-01
400-179448-10	EB-01

The chain of custody (COC) indicates the samples were received at 9.6°C, 7.6°C, 6.0°C, outside the criteria of 0-6ºC. Since the samples were received the same day as collection and based on professional and technical judgment, no qualifications were applied to the data. No additional preservation issues were noted by the laboratory.

Incorrect error corrections were observed on the COC, instead of the proper procedure of a single strike through, correction, and initials and date of person making the corrections.

1.0 METALS

The samples were analyzed for metals by US EPA methods 3005A/6020.

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 data package 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%.

1.1.2 Analysis Anomaly

The laboratory noted the recovery of barium in a bracketing continuing calibration verification (CCV) in batch 466497 was high and outside the method specified acceptance criteria. Therefore, the barium concentration in the associated samples were J+ qualified as estimated with high bias.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
MW-202	Barium	0.051	NA	0.051	J+	9
MW-203	Barium	0.027	NA	0.027	J+	9

mg/L- milligram 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 Time

The holding time for the metals analysis 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 (batches 465909 and 472739). Metals were not detected in the method blanks above the method detection limits (MDLs), with the following exceptions.

Boron was detected at an estimated concentration greater than the MDL and less than the practical quantitation limit (PQL) in the method blanks in batches 465909 and 472739. Therefore, the estimated concentration of boron in sample FB-01 was U qualified as not detected at the RL. The concentrations of boron in the remaining associated samples were greater than the PQL, therefore, no qualifications were applied to the data.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
FB-01	Boron	0.0041	I V	0.01	U	3

mg/L- milligram per liter
I-laboratory flag indicating the reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V-laboratory flag indicating 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.

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). 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). LCSs were reported with each batch. The recovery results were within the laboratory specified acceptance criteria.

1.6 Equipment Blank

One equipment blank was collected with the sample set, EB-01. Metals were not detected in the equipment blank with the following exceptions.

Arsenic was detected at an estimated concentration greater than the MDL and less than the PQL and boron was detected greater than the PQL in the equipment blank. Therefore, the concentrations of arsenic greater than the MDL and less than the PQL in the associated samples were U qualified as not detected at the PQL. Since the concentrations of boron in the associated samples were greater than 10 times the concentration of boron in the equipment blank, no qualifications were applied to the boron data. Qualifications were not applied to the concentrations of arsenic greater than the PQLs or the non-detect arsenic results in the associated samples.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
DUP-1	Arsenic	0.00066	I V	0.0013	U	3
MW-200	Arsenic	0.0011	I V	0.0013	U	3
MW-202	Arsenic	0.00071	I V	0.0013	U	3
MW-203	Arsenic	0.00077	I V	0.0013	U	3
MW-204	Arsenic	0.0005	I V	0.0013	U	3

mg/L- milligram per liter

I-laboratory flag indicating the reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V-laboratory flag indicating 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.

1.7 Field Blank

One field blank was collected with the sample set, FB-01. Metals were not detected in the field blank with the following exceptions.

Boron was detected at an estimated concentration greater than the MDL and less than the PQL in the field blank. Since the concentrations of boron in the associated samples were previously qualified due to concentrations of boron in the method blanks, no additional qualifications were applied to the data.

1.8 Field Duplicate

One field duplicate was collected with the sample set, DUP-1. Acceptable precision (RPD ≤ 30%) was demonstrated between the field duplicate and the original sample, MW-201, with the following exception.

Arsenic was detected at an estimated concentration greater than the MDL and less than the PQL in the field duplicate and not detected in sample MW-201, resulting in a non-calculable RPD. Since the arsenic concentration in DUP-1 was U qualified due to equipment blank contamination, no qualifications were applied to the data, based on professional and technical judgment.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	RPD
DUP-1	Arsenic	0.00066	I V	NC*
MW-201	Arsenic	0.00039	U	

mg/L- milligram per liter
I-laboratory flag indicating the reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V-laboratory flag indicating 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.
NC-non-calculable
*no qualifications, see explanation above

1.9 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

1.10 Electronic Data Deliverable (EDD) Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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 data package 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). One method blank was reported (batch 466183). 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). One sample specific MS/MSD pair was reported using sample MW-200. The recovery and RPD results were within the laboratory specified acceptance criteria.

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). One LCS was reported. The recovery result was within the laboratory specified acceptance criteria.

2.6 Equipment Blank

One equipment blank was collected with the sample set, EB-01. Mercury was not detected in the equipment blank above the MDL.

2.7 Field Blank

One field blank was collected with the sample set, FB-01. Mercury was not detected in the field blank above the MDL.

2.8 Field Duplicate

One field duplicate was collected with the sample set, DUP-1. Acceptable precision (RPD $\leq$ 30%) was demonstrated between the field duplicate and the original sample, MW-201.

2.9 Sensitivity

The samples were reported to the MDL. Elevated non-detect results were not reported.

2.10 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

3.0 WET CHEMISTRY

The samples were analyzed for chloride by Standard Method 4500 Cl-E, fluoride by Standard Method 4500 F C, sulfate by Standard Method 4500 SO4 E and TDS by Standard Method 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 data package 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 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 batch 465781, chloride batch 465735, sulfate batches 466564 and 467607, fluoride batches 467473). 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 specific MS/MSD pairs were reported for chloride and fluoride, both using sample MW-200. The recovery and RPD results were within the laboratory specified acceptance criteria. Batch MS/MSD pairs were reported for sulfate. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data. MS/MSD pairs were not reported for TDS.

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. MRLs were also reported for chloride, fluoride and sulfate.

3.6 Laboratory Duplicate

Two batch laboratory duplicates were reported for TDS. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data. Laboratory duplicates were not reported for the other wet chemistry parameters.

3.7 Equipment Blank

One equipment blank was collected with the sample set, EB-01. The wet chemistry parameters were not detected in the equipment blank above the MDLs.

3.8 Field Blank

One field blank was collected with the sample set, FB-01. The wet chemistry parameters were not detected in the field blank above the MDLs.

3.9 Field Duplicate

One field duplicate was collected with the sample set, DUP-1. Acceptable precision (RPD $\leq$ 30%) was demonstrated between the field duplicate and the original sample, MW-201.

3.10 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were reported due to the sample dilutions analyzed.

3.11 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for but was not detected 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	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
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

RPD-relative percent difference

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Memorandum

Date:	March 31, 2020
To:	Lane Dorman
From:	Kristoffer Henderson
CC:	J. Caprio
Subject:	**Stage 2A Data Validation - Level II Data Deliverable – Eurofins TestAmerica Job ID 400-179448-2**

SITE: Plant Crist

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of seven water samples, one field duplicate, one field blank and one equipment blank, collected November 12, 2019, as part of the Plant Crist sampling event.

The samples were analyzed at Eurofins TestAmerica, St Louis, MO, for the following analytical tests:

- Radium-226 by United States (US) Environmental Protection Agency (EPA) Method 9315
- Radium-228 by US EPA Method 9320
- Combined Radium 226 + 228 by Calculation

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data are usable for supporting project objectives.

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 report:

Laboratory IDs	Client IDs
400-179448-1	MW-200
400-179448-2	MW-201
400-179448-3	MW-202
400-179448-4	MW-203
400-179448-5	MW-204

Laboratory IDs	Client IDs
400-179448-6	MW-205
400-179448-7	MW-206
400-179448-8	DUP-1
400-179448-9	FB-01
400-179448-10	EB-01

No preservation issues were noted by the laboratory. The samples were received outside of the QAPP specified temperature of 0-6ºC; however, since the samples were received the same day as collection and the cooling process had begun, no qualifications were applied to the data.

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

The radium-226 and radium-228 data reported in this data package are considered usable for meeting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values

qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this sample set is 100%.

1.2 Holding Times

The holding time for the radiochemistry 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). Method blanks were reported for radium-226 (batch 450715) and radium-228 (batch 450716). The radiochemistry parameters were not detected in the method blanks above the minimum detectable concentrations (MDCs).

1.4 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Batch MS/MSD pairs were reported for radium-226 and radium-228. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

1.5 Laboratory Control Sample (LCS)

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 radium-226 and radium-228. The recovery 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

One equipment blank was collected with the sample set, EB-01. The radiochemistry parameters were not detected in the equipment blank above the MDCs.

1.8 Field Blank

One field blank was collected with the sample set, FB-01. The radiochemistry parameters were not detected in the field blank above the MDCs.

1.9 Field Duplicate

One field duplicate was reported with the sample set, DUP-1. Acceptable precision (RER ≤ 3) was demonstrated between the field duplicate and the original sample, MW-201.

1.10 Sensitivity

The samples were reported to the MDCs. No elevated non-detect results were reported.

1.11 Electronic Data Deliverable (EDD) Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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	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
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

RPD-relative percent difference

Geosyntec consultants

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Memorandum

Date:	March 26, 2020
To:	Lane Dorman
From:	Jennifer Pinion
CC:	J. Caprio
Subject:	**Stage 2A Data Validation - Level II Data Deliverable – Eurofins TestAmerica Job ID 400-179658-1**

SITE: CCR Plant Crist

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of five aqueous samples, one field blank, one equipment blank and one field duplicate, collected November 14-15, 2019, as part of the Plant Crist 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 2540C
- Chloride by Standard Method 4500 CL-E
- Fluoride by Standard Method 4500 F C
- Sulfate by Standard Method 4500 SO4 E

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
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, January 2017 (EPA 540-R-2017-001).

The following samples were analyzed and reported in the laboratory report:

Laboratory IDs	Client IDs
400-179658-1	PZ-200S
400-179658-3	GSA-2S
400-179658-4	PZ-201D
400-179658-5	PZ-203D
400-179658-6	GE-1D

Laboratory IDs	Client IDs
400-179658-7	DUP-01
400-179658-8	EB-01
400-179658-9	FB-01

The chain of custody (COC) indicates the samples were received at 3.3 °C, 4.7 °C, 4.9 °C, 10.5 °C, both within and outside the method criteria of 0-6°C. Since the samples were received the same day of collection and based on professional and technical judgment, no qualifications were applied to the data.

Incorrect error corrections were observed on the COC, instead of the proper procedure of a single strike through, correction, and initials and date of person making the corrections.

1.0 METALS

The samples were analyzed for metals by US EPA methods 3005A/6020.

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

The metals data reported in this data package 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%.

The percent differences (%Ds) of thallium in the continuing calibration verification (CCV) in batch 467060 were outside the laboratory acceptance limits with high bias. Since thallium was not detected in the associated samples, no qualifications were applied to the data.

The %Ds of beryllium and selenium in the CCV in batch 467338 and boron in the CCV in batch 467512 were outside the laboratory acceptance limits with high bias. Therefore, the estimated beryllium and selenium concentrations in sample GE-1D were J qualified as estimated and the concentration of boron greater than the practical quantitation limit (PQL) in sample PZ-200D was J+ qualified as estimated with a high bias. No qualifications were applied to the non-detect beryllium and selenium results in the associated samples.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
PZ-200S	Boron	35	NA	35	J+	9
GE-1D	Beryllium	0.00012	I	0.00012	J	9
GE-1D	Selenium	0.00021	I	0.00021	J	9

mg/L- milligram per liter
I-laboratory flag indicating the reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
* Validation qualifiers are defined in Attachment 1 at the end of this report
**Reason codes are defined in Attachment 2 at the end of this report

1.2 Holding Time

The holding time for the metals analysis 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 (batches 466596 and 472739). Metals were not detected in the method blanks above the method detection limits (MDLs), with the following exceptions.

Boron and lead were detected at estimated concentrations greater than the MDLs and less than the PQLs in the method blank in batch 466596. Therefore, the estimated concentrations of boron and lead greater than the MDLs and less than the PQLs in the associated samples were U qualified as not detected at the PQL.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
DUP-01	Lead	0.000078	I	0.00025	U	3
GE-1D	Lead	0.0010	I V	0.0013	U	3
GE-1D	Boron	0.0074	I	0.0100	U	3
GSA-2S	Lead	0.00046	I V	0.0013	U	3
PZ-201D	Lead	0.00017	I	0.00025	U	3

mg/L- milligram per liter
I-laboratory flag indicating the reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V-laboratory flag indicating 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.

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 sample set specific MS/MSD pairs were reported, using samples PZ-200S and PZ-201D. The recovery and relative percent difference (RPD) results were within the laboratory specified acceptance criteria, with the following exceptions.

The recoveries of arsenic, calcium and cobalt were low, and boron was high and outside of the laboratory specified acceptance criteria in the MS/MSD pair using sample PZ-200S. Therefore, the concentrations of arsenic and cobalt in sample PZ-200S were J- qualified as estimated with a low bias. The sample concentrations of boron and calcium were greater than four times the spike concentrations; therefore, the recovery limits were not applicable. Therefore, no qualifications were applied to the boron and calcium data.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
PZ-200S	Arsenic	0.0019	NA	0.0019	J-	4
PZ-200S	Cobalt	0.036	NA	0.036	J-	4

mg/L- milligram per liter
NA-not applicable

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). LCSs were reported with each batch. The recovery results were within the laboratory specified acceptance criteria.

1.6 Equipment Blank

One equipment blank was collected with the sample set, EB-01. Metals were not detected in the equipment blank above the MDLs.

1.7 Field Blank

One field blank was collected with the sample set, FB-01. Metals were not detected in the field blank above the MDLs, with the following exceptions.

Barium was detected at an estimated concentration greater than the MDL and less than the PQL in the field blank. Since the concentrations of barium in the associated samples were greater than the PQL, no qualifications were applied to the data.

1.8 Field Duplicate

One field duplicate was collected with the sample set, DUP-1. Acceptable precision (RPD ≤ 30%) was demonstrated between the field duplicate and the original sample, PZ-203D, with the following exceptions.

Lead was detected in DUP-01 at an estimated concentration greater than the MDL and less than the PQL and was not detected in sample PZ-203D, resulting in a noncalculable RPD. Since the lead concentration in DUP-01 was U qualified due to method blank contamination, no additional qualifications were applied to the data, based on professional and technical judgment.

The RPD of boron was greater than 30% in the field duplicate pair. Therefore, the concentrations of boron were J qualified as estimated.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	RPD	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
DUP-01	Boron	0.017	NA	72	0.017	J	7
PZ-203D	Boron	0.036	V		0.036	J	7
DUP-01	Lead	0.000078	I	NC*	NA	NA	NA
PZ-203D	Lead	0.000058	U		NA	NA	NA

mg/L- milligram per liter
U-not detected at or above the MDL

I-laboratory flag indicating the reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V-laboratory flag indicating 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.
NA-not applicable
NC-not calculable
*no qualifications see explanation above

1.9 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

1.10 Electronic Data Deliverable (EDD) Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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 data package 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). One method blank was reported (batch 468278). 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). One sample set specific MS/MSD pair was reported using sample GSA-2S. The recovery and RPD results were within the laboratory specified acceptance criteria.

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). One LCS was reported. The recovery result was within the laboratory specified acceptance criteria.

2.6 Equipment Blank

One equipment blank was collected with the sample set, EB-01. Mercury was not detected in the equipment blank above the MDL.

2.7 Field Blank

One field blank was collected with the sample set, FB-01. Mercury was not detected in the field blank above the MDL.

2.8 Field Duplicate

One field duplicate was collected with the sample set, DUP-1. Acceptable precision (RPD $\leq$ 30%) was demonstrated between the field duplicate and the original sample, PZ-203D.

2.9 Sensitivity

The samples were reported to the MDL. Elevated non-detect results were not reported.

2.10 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

3.0 WET CHEMISTRY

The samples were analyzed for chloride by Standard Method 4500 Cl-E, fluoride by Standard Method 4500 F C, sulfate by Standard Method 4500 SO4 E and TDS by Standard Method 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 data package 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 and Preservation

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 TDS analysis of a water sample is 7 days from sample collection to analysis. The holding times and preservation criteria 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 466522, 466529 and 466707, chloride batch 468685, sulfate batch 468436, fluoride batch 469081.) 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). A sample set specific MS/MSD pair was reported for chloride using sample PZ-203D and for fluoride using sample PZ-200S. The recovery and RPD results were within the laboratory specified acceptance criteria, with the following exceptions.

The MS recovery of fluoride was low and the RPD was high, both outside the laboratory specified acceptance criteria in the MS/MSD pair using sample PZ-200S. Therefore, the estimated concentration of fluoride in sample PZ-200S was J qualified as estimated.

Batch MS/MSD pairs were also reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data. MS/MSD pairs were not reported for TDS.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
PZ-200S	Fluoride	0.050	I V	0.050	J	4

mg/L- milligram per liter
I-laboratory flag indicating the reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
V-laboratory flag indicating 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.

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.

3.6 Laboratory Duplicate

Batch laboratory duplicates were reported for TDS. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data. Laboratory duplicates were not reported for the other wet chemistry parameters.

3.7 Equipment Blank

One equipment blank was collected with the sample set, EB-01. The wet chemistry parameters were not detected in the equipment blank above the MDLs.

3.8 Field Blank

One field blank was collected with the sample set, FB-01. The wet chemistry parameters were not detected in the field blank above the MDLs.

3.9 Field Duplicate

One field duplicate was collected with the sample set, DUP-1. Acceptable precision (RPD ≤ 30%) was demonstrated between the field duplicate and the original sample, PZ-203D, with the following exceptions.

Sulfate was detected in PZ-203D at an estimated concentration greater than the MDL and less than the PQL and was not detected in sample DUP-01, resulting in a noncalculable RPD. Therefore, the sulfate concentration in PZ-203D was J qualified as estimated and the non-detect sulfate result in DUP-01 was UJ qualified as estimated less than the MDL.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	RPD	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
DUP-01	Sulfate	1.4	U	NC	1.4	UJ	7
PZ-203D	Sulfate	1.6	I		1.6	J	7

mg/L- milligram per liter
U-not detected at or above the MDL
I-laboratory flag indicating the reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
NC-not calculable

3.10 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were reported due to the sample dilutions analyzed.

3.11 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS
AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for but was not detected 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	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
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

RPD-relative percent difference

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Memorandum

Date:	March 30, 2020
To:	Lane Dorman
From:	Kristoffer Henderson
CC:	J. Caprio
Subject:	**Stage 2A Data Validation - Level II Data Deliverable – Eurofins TestAmerica Job IDs 400-179658-2 and 400-179658-4**

SITE: Plant Crist

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of five water samples, one field filtered sample, one field duplicate, one field blank and one equipment blank, collected November 14-15, 2019, as part of the Plant Crist sampling event.

The samples were analyzed at Eurofins TestAmerica, St Louis, MO, for the following analytical tests:

- Radium-226 by United States (US) Environmental Protection Agency (EPA) Method 9315
- Radium-228 by US EPA Method 9320
- Combined Radium 226 + 228 by Calculation

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data are usable for supporting project objectives.

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 IDs	Client IDs
400-179658-1	PZ-200S
400-179658-3	GSA-2S
400-179658-4	PZ-201D
400-179658-5	PZ-203D
400-179658-6	GE-1D

Laboratory IDs	Client IDs
400-179658-7	DUP-01
400-179658-8	EB-01
400-179658-9	FB-01
400-179658-11	FF GE-1D

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
- ✓ Total and Dissolved Assessment
- ✓ Electronic Data Deliverable Review

1.1 Overall Assessment

The radium-226 and radium-228 data reported in this data package are considered usable for meeting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this sample set is 100%.

1.2 Holding Times

The holding time for the radiochemistry 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). Method blanks were reported for radium-226 (batch 451387) and radium-228 (batch 451391). The radiochemistry parameters were not detected in the method blanks above the minimum detectable concentrations (MDCs).

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). LCS/LCS duplicate (LCSD) pairs were reported for radium-226 and 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

One equipment blank was collected with the sample set, EB-01. The radiochemistry parameters were not detected in the equipment blank above the MDCs.

1.8 Field Blank

One field blank was collected with the sample set, FB-01. The radiochemistry parameters were not detected in the field blank above the MDCs.

1.9 Field Duplicate

One field duplicate was reported with the sample set, DUP-1. Acceptable precision (RER ≤ 3) was demonstrated between the field duplicate and the original sample, PZ-203D.

1.10 Sensitivity

The samples were reported to the MDCs. No elevated non-detect results were reported.

1.11 Total and Dissolved Assessment

Total radium-226, radium-228 and combined radium-226 and radium-228 were reported for sample PZ-200D and dissolved radium-226, radium-228 and combined radium-226 and radium-228 were reported for sample PZ-200D FF.

The total radium-228 result was greater than the dissolved radium-228 result. However, the dissolved radium-226 and dissolved combined radium-226 and radium-228 results were greater than the total radium-226 and total combined radium-226 and radium-228 results. Since the RERs were less than 3, no qualifications were applied to the data, based on professional and technical judgment.

1.12 Electronic Data Deliverables (EDDs) Review

The results and sample IDs in the EDDs were reviewed against the information provided by the associated level II reports at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II reports and the EDDs.

ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for but was not detected 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	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
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

RPD-relative percent difference

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Memorandum

Date:	April 23, 2020
To:	Lane Dorman
From:	Jennifer Pinion
CC:	J. Caprio
Subject:	**Stage 2A Data Validation - Level II Data Deliverable – Eurofins TestAmerica Job ID 400-179658-3**

SITE: CCR Plant Crist

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of one aqueous sample, collected November 14, 2019, as part of the Plant Crist sampling event.

The sample was 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 2540C
- Chloride by Standard Method 4500 CL-E
- Fluoride by Standard Method 4500 F C
- Sulfate by Standard Method 4500 SO4 E

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

- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, January 2017 (EPA 540-R-2017-001).

The following sample was analyzed and reported in the laboratory report:

Laboratory IDs	Client IDs
400-179658-11	FF GE-1D

The chain of custody (COC) indicates the sample was received at 3.3 °C, 4.7 °C, 4.9 °C, 10.5 °C, both within and outside the method criteria of 0-6ºC. Since the samples were received the same day of collection and based on professional and technical judgment, no qualifications were applied to the data.

Incorrect error corrections were observed on the COC, instead of the proper procedure of a single strike through, correction, and initials and date of person making the corrections.

1.0 METALS

The sample was analyzed for dissolved metals by US EPA methods 3005A/6020.

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 dissolved metals data reported in this data package 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%.

1.1.2 Analysis Anomaly

The percent differences (%Ds) of beryllium and selenium in the continuing calibration verification (CCV) in batch 467338 were outside the laboratory acceptance limits with high biases. Therefore, the estimated concentration of dissolved beryllium in sample FF-GE-1D was J qualified as estimated. No qualifications were applied to the non-detect dissolved selenium result in the associated sample.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
FF GE-1D	Beryllium, Dissolved	0.000077	I	0.000077	J	9

mg/L- milligram per liter
I-laboratory flag indicating the reported value is between the laboratory method detection limit (MDL) and the laboratory practical quantitation limit (PQL).
* Validation qualifiers are defined in Attachment 1 at the end of this report
**Reason codes are defined in Attachment 2 at the end of this report

1.2 Holding Time

The holding times for the dissolved metals analysis of a water sample are 15 minutes from sample collection to filtration and 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 (batch 466596). Metals were not detected in the method blanks above the MDLs, with the following exceptions.

Dissolved boron was detected at an estimated concentration greater than the MDL and less than the practical quantitation limit (PQL) in the method blank in batch 466596. Therefore, the estimated concentration of dissolved boron in the associated sample was U qualified as not detected at the PQL.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
FF GE-1D	Boron, Dissolved	0.0076	I	0.01	U	3

mg/L- milligram per liter

I-laboratory flag indicating the reported value is between the laboratory MDL and the laboratory PQL.

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). One batch MS/MSD was reported for metals. 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

One equipment blank was collected with the sample set and reported in 400-179658-1. Metals were not detected in the equipment blank above the MDLs.

1.7 Field Blank

One field blank was collected with the sample set and reported in 400-179658-1. Metals were not detected in the field blank above the MDLs.

1.8 Field Duplicate

One field duplicate was collected with the sample set, DUP-1. Acceptable precision (RPD $\leq$ 30%) was demonstrated between the field duplicate and the original sample, PZ-203D. Qualifications are outlined in laboratory report 400-179658-1.

1.9 Sensitivity

The sample was reported to the MDLs. Elevated non-detect results were not reported.

1.10 Electronic Data Deliverable (EDD) Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

2.0 MERCURY

The sample was analyzed for dissolved 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 dissolved mercury data reported in this data package 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 dissolved mercury analysis of a water sample is 15 minutes from collection to filtration and 28 days from sample collection to analysis. The holding time was met for the sample analysis.

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). One method blank was reported (batch 468278). 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). One batch MS/MSD pair was 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). One LCS was reported. The recovery result was within the laboratory specified acceptance criteria.

2.6 Equipment Blank

One equipment blank was collected with the sample set and reported in 400-179658-1. Mercury was not detected in the equipment blank above the MDL.

2.7 Field Blank

One field blank was collected with the sample set and reported in 400-179658-1. Mercury was not detected in the field blank above the MDL.

2.8 Field Duplicate

One field duplicate was collected with the sample set and reported in 400-179658-1, DUP-1. Acceptable precision (RPD $\leq$ 30%) was demonstrated between the field duplicate and the original sample, PZ-203D.

2.9 Sensitivity

The sample was reported to the MDL. Elevated non-detect results were not reported.

2.10 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

3.0 WET CHEMISTRY

The sample was analyzed for dissolved chloride by Standard Method 4500 Cl-E, dissolved fluoride by Standard Method 4500 F C, dissolved sulfate by Standard Method 4500 SO4 E and TDS by Standard Method 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 and Preservation
- ✓ 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 data package 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 and Preservation

The holding time for the dissolved fluoride, chloride and sulfate analysis of a water sample is 15 minutes from collection to filtration and 28 days from sample collection to analysis. The holding time for TDS analysis of a water sample is 7 days from sample collection to analysis. The holding times and preservation requirements 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 batch 466529, chloride batch 467497, sulfate batch 468436, fluoride batch 469081.) 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). Batch MS/MSD pairs were reported for chloride, fluoride and

sulfate. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

3.5 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. Method reporting limit (MRLs) standards were also reported for chloride and sulfate.

3.6 Laboratory Duplicate

Batch laboratory duplicates were reported for TDS. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data. Laboratory duplicates were not reported for the other wet chemistry parameters.

3.7 Equipment Blank

One equipment blank was collected with the sample set and reported in laboratory report 400-179658-1. The wet chemistry parameters were not detected in the equipment blank above the MDLs.

3.8 Field Blank

One field blank was collected with the sample set and reported in laboratory report 400-179658-1. The wet chemistry parameters were not detected in the field blank above the MDLs.

3.9 Field Duplicate

One field duplicate was collected with the sample set, DUP-1. Acceptable precision (RPD $\leq$ 30%) was demonstrated between the field duplicate and the original sample, PZ-203D. Qualifications were outlined in laboratory report 440-179658-1.

3.10 Sensitivity

The sample was reported to the MDLs. Elevated non-detect results were not reported.

3.11 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

* * * * *

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	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
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

RPD-relative percent difference

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Memorandum

Date:	March 24, 2020
To:	Lane Dorman
From:	Jennifer Pinion
CC:	J. Caprio
Subject:	**Stage 2A Data Validation - Level II Data Deliverable – Eurofins TestAmerica Job ID 400-179923-1**

SITE: CCR Plant Crist

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of one aqueous sample and one field duplicate, collected November 20, 2019, as part of the Plant Crist 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 2540C
- Chloride by Standard Method 4500 CL-E
- Fluoride by Standard Method 4500 F C
- Sulfate by Standard Method 4500 SO4 E

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

- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, January 2017 (EPA 540-R-2017-001).

The following samples were analyzed and reported in the laboratory report:

Laboratory IDs	Client IDs
400-179923-1	PZ-200D

Laboratory IDs	Client IDs
400-179923-3	DUP-02

The chain of custody (COC) indicates the samples were received within the criteria of 0-6°C. No preservation issues were noted by the laboratory.

1.0 METALS

The samples were analyzed for metals by US EPA methods 3005A/6020.

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

The metals data reported in this data package 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%.

1.2 Holding Time

The holding time for the metals analysis 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). One method blank was reported (batch 467451). Metals were not detected in the method blank above the method detection limits (MDLs), with the following exception.

Barium was detected at an estimated concentration greater than the MDL and less than the practical quantitation limit (PQL) in the method blank. Since, the concentrations of barium in the associated samples were greater than the PQL and based on professional and technical judgement, no qualifications were applied to the barium data.

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). One batch MS/MSD pair was 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). One LCS was reported. The recovery results were within the laboratory specified acceptance criteria.

1.6 Equipment Blank

Equipment blanks were not collected with the sample set.

1.7 Field Blank

Field blanks were not collected with the sample set.

1.8 Field Duplicate

One field duplicate was collected with the sample set, DUP-02. Acceptable precision [relative percent difference (RPD) ≤ 30%] was demonstrated between the field duplicate and the original sample, PZ-200D, with the following exceptions.

Lithium was detected in the field duplicate, DUP-02, at an estimated concentration greater than the MDL and less than the PQL and not detected in the original sample, PZ-200D, resulting in a non-calculable RPD. Therefore, based on professional and technical judgement, the estimated concentration of lithium was J qualified as estimated and the non-detect lithium result was UJ qualified as estimated less than the MDL.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	RPD	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
DUP-02	Lithium	0.00078	I	NC	0.00078	J	7
PZ-200D	Lithium	0.0019	U		0.0019	UJ	7

mg/L- milligram per liter
U-not detected at or above the MDL
I-laboratory flag indicating the reported value is between the laboratory method detection limit and the laboratory PQL.
NC-not calculable
* 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

1.9 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were reported due to dilutions analyzed.

1.10 Electronic Data Deliverable (EDD) Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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 data package are considered usable for meeting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this 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). One method blank was reported (batch 467720). 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). One batch MS/MSD was 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). One LCS was reported. The recovery result was within the laboratory specified acceptance criteria.

2.6 Equipment Blank

Equipment blanks were not collected with the sample set.

2.7 Field Blank

Field blanks were not collected with the sample set.

2.8 Field Duplicate

One field duplicate was collected with the sample set, DUP-02. Acceptable precision (RPD $\leq$ 30%) was demonstrated between the field duplicate and the original sample, PZ-200D.

2.9 Sensitivity

The samples were reported to the MDL. Elevated non-detect results were not reported.

2.10 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

3.0 WET CHEMISTRY

The samples were analyzed for chloride by Standard Method 4500 Cl-E, fluoride by Standard Method 4500 F C, sulfate by Standard Method 4500 SO4 E and TDS by Standard Method 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 data package are considered usable for meeting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for 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 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 batch 466936, chloride batch 467500, sulfate batch 467673, fluoride batch 468526.) The wet chemistry parameters were not detected in the method blanks above the MDLs.

3.4 Matrix Spike/Matrix Spike Duplicate

Sample specific MS/MSD pairs were reported for sulfate using sample PZ-200D. The recovery and RPD results were within the laboratory specified acceptance criteria.

Batch MS/MSD pairs were reported for fluoride 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. MS/MSD pairs were not reported for TDS.

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. MRLs were also reported for chloride and sulfate.

3.6 Laboratory Duplicate

Sample specific laboratory duplicates were reported for TDS, using sample PZ-200D. The RPD results were within the laboratory specified acceptance criteria. Laboratory duplicates were not reported for the other wet chemistry parameters.

3.7 Equipment Blank

Equipment blanks were not collected with the sample set.

3.8 Field Blank

Field blanks were not collected with the sample set.

3.9 Field Duplicate

One field duplicate was collected with the sample set, DUP-2. Acceptable precision (RPD ≤ 30%) was demonstrated between the field duplicate and the original sample, PZ-200D.

3.10 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

3.11 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS
AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for but was not detected 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	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
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

RPD-relative percent difference

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Memorandum

Date:	March 31, 2020
To:	Lane Dorman
From:	Kristoffer Henderson
CC:	J. Caprio
Subject:	**Stage 2A Data Validation - Level II Data Deliverables – Eurofins TestAmerica Job IDs 400-179923-2 and 400-179923-4**

SITE: Plant Crist

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of one water sample, one field filtered sample and one field duplicate collected November 20, 2019, as part of the Plant Crist sampling event.

The samples were analyzed at Eurofins TestAmerica, St. Louis, MO, for the following analytical tests:

- Total and Dissolved Radium-226 by United States (US) Environmental Protection Agency (EPA) Method 9315
- Total and Dissolved Radium-228 by US EPA Method 9320
- Total and Dissolved Combined Radium 226 + 228 by Calculation

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data are usable for supporting project objectives.

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 report:

Laboratory IDs	Client IDs
400-179923-1	PZ-200D
400-179923-2	PZ-200D FF

Laboratory IDs	Client IDs
400-179923-3	DUP-02

No preservation issues were noted by the laboratory.

1.0 RADIOCHEMISTRY

The samples were analyzed for total and dissolved radium-226 by US EPA method 9315, total and dissolved radium-228 by US EPA method 9320 and total and dissolved 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
- ✓ Laboratory Duplicate
- ✓ Tracers and Carriers
- ✓ Equipment Blank
- ✓ Field Blank
- ✓ Field Duplicate
- ✓ Sensitivity
- ✓ Total and Dissolved Assessment
- ✓ Electronic Data Deliverable Review

1.1 Overall Assessment

The radium-226 and radium-228 data reported in this data package are considered usable for meeting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this sample set is 100%.

1.2 Holding Times

The holding time for the radiochemistry 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). Method blanks were reported for radium-226 (batch 452212) and radium-228 (batch 452214). The radiochemistry parameters were not detected in the method blanks above the minimum detectable concentrations (MDCs).

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). LCSs were reported for radium-226 and radium-228. The recovery results were within the laboratory specified acceptance criteria.

1.6 Laboratory Duplicate

Batch laboratory duplicates were reported for radium-226 and radium-228. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

1.7 Tracers and Carriers

Carriers were reported for the radium-226 and radium-228 analyses. The recovery results were within the laboratory specified acceptance criteria.

1.8 Equipment Blank

An equipment blank was not collected with the sample set.

1.9 Field Blank

A field blank was not collected with the sample set.

1.10 Field Duplicate

One field duplicate was reported with the sample set, DUP-2. Acceptable precision [replicate error ratio (RER) ≤ 3] was demonstrated between the field duplicate and the original sample, PZ-200D.

1.11 Sensitivity

The samples were reported to the MDCs. No elevated non-detect results were reported.

1.12 Total and Dissolved Assessment

Sample PZ-200D was reported for total radium-226, radium-228 and combined radium-226 and radium-228 and PZ-200D FF was reported for dissolved radium-226, radium-228 and combined radium-226 and radium-228. The total results were greater than the dissolved results.

1.13 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.

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ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

Valid Value	Description
1	Preservation requirement not met
2	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
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

RPD-relative percent difference

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Memorandum

Date:	March 24, 2020
To:	Lane Dorman
From:	Jennifer Pinion
CC:	J. Caprio
Subject:	**Stage 2A Data Validation - Level II Data Deliverable – Eurofins TestAmerica Job ID 400-179923-3**

SITE: CCR Plant Crist

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of one aqueous field filtered sample, collected November 20, 2019, as part of the Plant Crist sampling event.

The sample was analyzed at Eurofins TestAmerica, Pensacola, Florida, for the following analytical tests:

- Dissolved 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 2540C
- Chloride by Standard Method 4500 CL-E
- Fluoride by Standard Method 4500 F C
- Sulfate by Standard Method 4500 SO4 E

EXECUTIVE SUMMARY

Based on the Stage 2A data validation covering the quality control (QC) parameters listed below and the information provided, the data are usable for supporting project objectives.

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

- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, January 2017 (EPA 540-R-2017-001).

The following sample was analyzed and reported in the laboratory report:

Laboratory IDs	Client IDs
400-179923-2	PZ-200D FF

The chain of custody (COC) indicates the sample was received at 15.3°C outside the criteria of 0-6°C. No preservation issues were noted by the laboratory.

1.0 METALS

The sample was analyzed for dissolved metals by US EPA methods 3005A/6020.

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

The dissolved metals data reported in this data package 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%.

1.2 Holding Time

The holding time for the dissolved metals analysis 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). One method blank was reported (batch 468674). Metals were not detected in the method blank above the method detection limits (MDLs), with the following exception.

Dissolved thallium was detected at an estimated concentration greater than the MDL and less than the practical quantitation limit (PQL) in the method blank. Since, dissolved thallium was not detected in the associated sample, no qualifications were applied to the data.

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). One batch MS/MSD pair was 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). One LCS was reported with the batch. The recovery results were within the laboratory specified acceptance criteria.

1.6 Equipment Blank

Equipment blanks were not collected with the sample set.

1.7 Field Blank

Field blanks were not collected with the sample set.

1.8 Field Duplicate

One field duplicate was collected with the sample set and reported in 400-179923-1. Pertinent qualifications are discussed in the DVR associated with that laboratory report.

1.9 Sensitivity

The sample was reported to the MDLs. Elevated non-detect results were reported due to dilution analyzed.

1.10 Electronic Data Deliverable (EDD) Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

2.0 MERCURY

The sample was analyzed for dissolved 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 data package 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 dissolved 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). One method blank was reported (batch 467720). 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). One batch MS/MSD was 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). One LCS was reported. The recovery result was within the laboratory specified acceptance criteria.

2.6 Equipment Blank

Equipment blanks were not collected with the sample set.

2.7 Field Blank

Field blanks were not collected with the sample set.

2.8 Field Duplicate

One field duplicate was collected with the sample set and reported in 400-179923-1. Pertinent qualifications are discussed in the DVR associated with that laboratory report.

2.9 Sensitivity

The sample was reported to the MDL. Elevated non-detect results were not reported.

2.10 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

3.0 WET CHEMISTRY

The sample was analyzed for dissolved chloride by Standard Method 4500 Cl-E, dissolved fluoride by Standard Method 4500 F C, dissolved sulfate by Standard Method 4500 SO4 E and field filtered TDS by Standard Method 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 data package are considered usable for meeting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for these analyses, for this dataset is 100%.

3.2 Holding Times

The holding time for the dissolved fluoride, chloride and sulfate analysis of a water sample is 28 days from sample collection to analysis. The holding time for field filtered 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 (field filtered TDS batch 466936, dissolved chloride batch 467500, dissolved sulfate batch 467673, dissolved fluoride batch 468526.) The wet chemistry parameters were not detected in the method blanks above the MDLs.

3.4 Matrix Spike/Matrix Spike Duplicate

Batch MS/MSD pairs were reported for dissolved fluoride, chloride and sulfate. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data. MS/MSD pairs were not reported for TDS.

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. MRLs were also reported for chloride and sulfate. The recovery results were within the laboratory specified acceptance criteria.

3.6 Laboratory Duplicate

One batch laboratory duplicate was reported for field filtered TDS. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data. Laboratory duplicates were not reported for the other wet chemistry parameters.

3.7 Equipment Blank

Equipment blanks were not collected with the sample set.

3.8 Field Blank

Field blanks were not collected with the sample set.

3.9 Field Duplicate

One field duplicate was collected with the sample set and reported in 400-179923-1. Pertinent qualifications are discussed in the DVR associated with that laboratory report.

3.10 Sensitivity

The sample was reported to the MDLs. Elevated non-detect results were not reported.

3.11 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS
AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for but was not detected 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	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
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

RPD-relative percent difference

Product Name: Low-Flow System

Date: 2020-04-16 11:34:27

Project Information:		Pump Information:	
Operator Name	Philip Evans	Pump Model/Type	BP
Company Name	RDH Environmental	Tubing Type	PE
Project Name	Crist plant CCR	Tubing Diameter	.17 in
Site Name	Crist Plant	Tubing Length	121 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	417744		
Turbidity Make/Model	HACH 2100Q	Pump placement from TOC	104 ft

Well Information:		Pumping Information:	
Well ID	MW-100	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.7600741 L
Well Total Depth	119 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0.24 in
Depth to Water	90.91 ft	Total Volume Pumped	10 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	11:12:27	300.02	22.31	5.13	37.41	0.67	90.93	6.22	145.53
Last 5	11:17:27	600.02	22.08	5.05	38.63	0.58	90.93	7.00	145.49
Last 5	11:22:27	900.02	22.05	5.03	39.02	0.62	90.93	7.22	145.73
Last 5	11:27:28	1201.02	22.04	4.99	39.38	0.74	90.93	7.30	146.91
Last 5	11:32:28	1501.02	22.04	5.03	39.47	0.70	90.93	7.35	148.92
Variance 0			-0.03	-0.02	0.39			0.22	0.24
Variance 1			-0.01	-0.04	0.36			0.08	1.18
Variance 2			0.00	0.04	0.09			0.05	2.01

Notes

Sample time @ 1135. Sunny 65. DUP-01@ fake time 1035.

Grab Samples

Product Name: Low-Flow System

Date: 2020-04-16 16:40:12

Project Information:		Pump Information:	
Operator Name	Philip Evans	Pump Model/Type	BP
Company Name	RDH Environmental	Tubing Type	PE
Project Name	Crist plant CCR	Tubing Diameter	.17 in
Site Name	Crist Plant	Tubing Length	120 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	417744		
Turbidity Make/Model	HACH 2100Q	Pump placement from TOC	113.1 ft

Well Information:		Pumping Information:	
Well ID	MW-101	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.7556108 L
Well Total Depth	118.1 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0.6 in
Depth to Water	96.15 ft	Total Volume Pumped	8 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	16:22:33	300.02	22.49	5.13	24.58	0.55	96.20	8.49	137.88
Last 5	16:27:33	600.02	22.02	5.16	24.76	0.54	96.20	8.47	134.41
Last 5	16:32:33	900.02	21.90	5.17	24.87	0.45	96.20	8.41	131.23
Last 5	16:37:33	1200.03	21.84	5.17	24.91	0.40	96.20	8.37	129.11
Last 5									
Variance 0			-0.47	0.03	0.18			-0.02	-3.47
Variance 1			-0.12	0.01	0.11			-0.06	-3.18
Variance 2			-0.06	-0.00	0.03			-0.04	-2.12

Notes

Sample time @ 1640. Sunny 70. EB-01@ 1610.

Grab Samples

Product Name: Low-Flow System

Date: 2020-04-16 10:29:09

Project Information:		Pump Information:	
Operator Name	Philip Evans	Pump Model/Type	BP
Company Name	RDH Environmental	Tubing Type	PE
Project Name	Crist plant CCR	Tubing Diameter	.17 in
Site Name	Crist Plant	Tubing Length	126 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	417744		
Turbidity Make/Model	HACH 2100Q	Pump placement from TOC	119 ft

Well Information:		Pumping Information:	
Well ID	MW-107	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.7823914 L
Well Total Depth	124 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0.24 in
Depth to Water	101.93 ft	Total Volume Pumped	20 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	10:06:39	1802.02	21.24	5.10	26.88	0.27	101.95	8.17	128.43
Last 5	10:11:39	2102.02	20.97	5.11	26.97	0.25	101.95	8.27	127.54
Last 5	10:16:39	2402.02	21.05	5.09	26.97	0.22	101.95	8.27	128.28
Last 5	10:21:40	2703.02	21.19	5.14	26.90	0.20	101.95	8.25	127.52
Last 5	10:26:40	3003.02	21.24	5.15	26.89	0.20	101.95	8.24	128.31
Variance 0			0.08	-0.02	-0.00			0.00	0.75
Variance 1			0.14	0.04	-0.07			-0.02	-0.76
Variance 2			0.05	0.01	-0.01			-0.01	0.79

Notes

Sample time @ 1030. Sunny 65.

Grab Samples

Product Name: Low-Flow System

Date: 2020-04-16 08:52:12

Project Information:		Pump Information:	
Operator Name	Philip Evans	Pump Model/Type	BP
Company Name	RDH Environmental	Tubing Type	PE
Project Name	Crist plant CCR	Tubing Diameter	.17 in
Site Name	Crist Plant	Tubing Length	100 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	417744		
Turbidity Make/Model	HACH 2100Q	Pump placement from TOC	92.9 ft

Well Information:		Pumping Information:	
Well ID	MW-108	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.6663423 L
Well Total Depth	97.9 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0.24 in
Depth to Water	69.75 ft	Total Volume Pumped	12 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	08:28:27	600.02	20.13	5.08	39.62	0.43	69.77	7.37	131.28
Last 5	08:33:27	900.02	20.26	4.99	39.00	0.68	69.77	7.38	133.03
Last 5	08:38:27	1200.02	20.44	4.96	38.51	0.84	69.77	7.37	133.64
Last 5	08:43:29	1502.02	20.48	4.96	38.11	0.85	69.77	7.39	133.60
Last 5	08:48:29	1802.02	20.53	4.96	37.75	0.88	69.77	7.41	133.20
Variance 0			0.18	-0.03	-0.49			-0.00	0.61
Variance 1			0.05	0.01	-0.40			0.02	-0.03
Variance 2			0.04	-0.00	-0.36			0.02	-0.40

Notes

Sample time @ 0850. Sunny 60.

Grab Samples

Product Name: Low-Flow System

Date: 2020-04-16 15:41:12

Project Information:		Pump Information:	
Operator Name	Philip Evans	Pump Model/Type	BP
Company Name	RDH Environmental	Tubing Type	PE
Project Name	Crist plant CCR	Tubing Diameter	.17 in
Site Name	Crist Plant	Tubing Length	95 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	417744		
Turbidity Make/Model	HACH 2100Q	Pump placement from TOC	88.2 ft

Well Information:		Pumping Information:	
Well ID	MW-306	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.6440251 L
Well Total Depth	93.2 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0.72 in
Depth to Water	56.46 ft	Total Volume Pumped	28 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	15:18:32	3001.02	22.00	5.12	31.26	2.80	56.52	7.77	130.44
Last 5	15:23:33	3302.02	22.01	5.12	31.21	2.45	56.52	7.77	129.63
Last 5	15:28:33	3602.02	22.00	5.13	31.27	1.80	56.52	7.77	133.83
Last 5	15:33:33	3902.02	22.09	5.14	31.01	1.19	56.52	7.74	135.57
Last 5	15:38:33	4202.02	22.03	5.13	31.01	1.10	56.52	7.74	136.78
Variance 0			-0.01	0.01	0.06			0.00	4.20
Variance 1			0.09	0.01	-0.26			-0.03	1.75
Variance 2			-0.05	-0.00	-0.00			0.00	1.20

Notes

Sample time @ 1540. Sunny 75.

Grab Samples

Product Name: Low-Flow System

Date: 2020-04-16 13:46:07

Project Information:		Pump Information:	
Operator Name	Philip Evans	Pump Model/Type	BP
Company Name	RDH Environmental	Tubing Type	PE
Project Name	Crist plant CCR	Tubing Diameter	.17 in
Site Name	Crist Plant	Tubing Length	125 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	417744		
Turbidity Make/Model	HACH 2100Q	Pump placement from TOC	118.2 ft

Well Information:		Pumping Information:	
Well ID	MW-307	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.7779279 L
Well Total Depth	123.2 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	10.32 in
Depth to Water	91.09 ft	Total Volume Pumped	28 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	13:22:25	3001.02	21.99	5.62	27.91	0.86	91.95	4.77	87.16
Last 5	13:27:25	3301.03	21.99	5.60	27.74	0.58	91.95	5.01	89.67
Last 5	13:32:25	3601.02	22.01	5.58	27.60	0.44	91.95	5.19	92.60
Last 5	13:37:25	3901.02	21.99	5.57	27.52	0.38	91.95	5.28	93.59
Last 5	13:42:29	4205.02	21.96	5.58	27.50	0.35	91.95	5.36	92.95
Variance 0			0.02	-0.02	-0.13			0.17	2.93
Variance 1			-0.02	-0.02	-0.08			0.09	0.99
Variance 2			-0.02	0.01	-0.02			0.08	-0.63

Notes

Sample time@ 1345. Sunny 75.

Grab Samples

Product Name: Low-Flow System

Date: 2020-04-18 13:12:05

Project Information:		Pump Information:	
Operator Name	Trevor Braddock	Pump Model/Type	PP
Company Name	RDH Environmental	Tubing Type	PE
Project Name	Crist CCR	Tubing Diameter	.17 in
Site Name	Crist plant	Tubing Length	40 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	625126		
Turbidity Make/Model	2100q	Pump placement from TOC	29 ft

Well Information:		Pumping Information:	
Well ID	MW200	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.2685369 L
Well Total Depth	34 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	1 in
Depth to Water	17.6 ft	Total Volume Pumped	12 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	12:50:40	600.02	22.25	5.18	397.65	0.39	17.70	1.27	246.97
Last 5	12:55:40	900.06	22.34	5.22	381.20	0.35	17.70	1.30	242.02
Last 5	13:00:40	1200.06	22.49	5.19	402.87	0.35	17.70	1.27	241.28
Last 5	13:05:40	1500.01	22.57	5.22	389.55	0.46	17.70	1.27	240.86
Last 5	13:10:40	1800.01	22.65	5.20	390.50	0.60	17.70	1.34	240.57
Variance 0			0.15	-0.03	21.67			-0.03	-0.74
Variance 1			0.08	0.03	-13.32			-0.00	-0.41
Variance 2			0.08	-0.03	0.95			0.07	-0.29

Notes

Sunny 78 sample time 1315

Grab Samples

Product Name: Low-Flow System

Date: 2020-04-22 14:04:45

Project Information:		Pump Information:	
Operator Name	Rick Hagendorfer	Pump Model/Type	QED
Company Name	RDH Env	Tubing Type	PE
Project Name	Crist CCR	Tubing Diameter	.17 in
Site Name	Crist plant	Tubing Length	65 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	597516		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	55 ft

Well Information:		Pumping Information:	
Well ID	MW-201	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.5101225 L
Well Total Depth	60 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0.05 in
Depth to Water	48.39 ft	Total Volume Pumped	24 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 5		+/- 0.2	+/- 10
Last 5	13:41:17	2400.03	23.95	4.69	703.40	0.26	48.44	3.22	158.02
Last 5	13:46:18	2701.02	23.98	4.68	705.90	0.27	48.44	1.56	159.12
Last 5	13:51:18	3001.02	24.01	4.69	701.52	0.25	48.44	0.72	159.83
Last 5	13:56:18	3301.02	23.97	4.68	701.76	0.19	48.44	0.63	160.59
Last 5	14:01:18	3601.02	24.00	4.69	697.84	0.16	48.44	0.69	160.78
Variance 0			0.03	0.01	-4.38			-0.85	0.71
Variance 1			-0.04	-0.01	0.24			-0.09	0.76
Variance 2			0.03	0.01	-3.92			0.06	0.20

Notes

Sample time 1405. Sunny 82.

Grab Samples

Product Name: Low-Flow System

Date: 2020-04-17 08:44:53

Project Information:		Pump Information:	
Operator Name	Philip Evans	Pump Model/Type	BP
Company Name	RDH Environmental	Tubing Type	PE
Project Name	Crist plant CCR	Tubing Diameter	.17 in
Site Name	Crist Plant	Tubing Length	62 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	417744		
Turbidity Make/Model	HACH 2100Q	Pump placement from TOC	55 ft

Well Information:		Pumping Information:	
Well ID	MW-202	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.4967322 L
Well Total Depth	60 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0.24 in
Depth to Water	51.25 ft	Total Volume Pumped	20 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	08:21:44	1801.03	21.73	4.63	116.54	0.72	51.27	1.90	238.50
Last 5	08:26:45	2102.03	21.77	4.63	117.88	0.55	51.27	1.84	232.69
Last 5	08:31:45	2402.03	21.82	4.62	117.87	0.43	51.27	1.68	226.18
Last 5	08:36:45	2702.03	21.86	4.63	115.38	0.40	51.27	1.59	226.29
Last 5	08:41:45	3002.03	21.82	4.62	115.11	0.46	51.27	1.61	226.64
Variance 0			0.04	-0.01	-0.01			-0.16	-6.51
Variance 1			0.04	0.01	-2.49			-0.09	0.11
Variance 2			-0.04	-0.01	-0.26			0.03	0.35

Notes

Sample time @ 0845. Sunny 70. FB-01@ 0840.

Grab Samples

Product Name: Low-Flow System

Date: 2020-04-17 11:09:16

Project Information:		Pump Information:	
Operator Name	Philip Evans	Pump Model/Type	BP
Company Name	RDH Environmental	Tubing Type	PE
Project Name	Crist plant CCR	Tubing Diameter	.17 in
Site Name	Crist Plant	Tubing Length	70 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	417744		
Turbidity Make/Model	HACH 2100Q	Pump placement from TOC	58 ft

Well Information:		Pumping Information:	
Well ID	MW-203	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.5324396 L
Well Total Depth	63 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0.48 in
Depth to Water	45.16 ft	Total Volume Pumped	40 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	10:43:39	4801.03	22.48	5.03	233.44	2.44	45.20	0.48	149.69
Last 5	10:48:40	5102.03	22.51	5.04	233.59	2.14	45.20	0.48	150.23
Last 5	10:53:40	5402.03	22.51	5.04	233.23	2.01	45.20	0.47	151.07
Last 5	10:58:40	5702.03	22.53	5.01	233.05	1.95	45.20	0.47	152.30
Last 5	11:03:40	6002.03	22.55	5.04	234.01	1.90	45.20	0.48	153.92
Variance 0			-0.00	0.00	-0.36			-0.01	0.84
Variance 1			0.02	-0.02	-0.18			-0.00	1.23
Variance 2			0.02	0.03	0.96			0.01	1.62

Notes

Sample time @ 1110. Sunny 75. DUP-02@ 1010.

Grab Samples

Product Name: Low-Flow System

Date: 2020-04-17 12:21:55

Project Information:		Pump Information:	
Operator Name	Trevor Braddock	Pump Model/Type	BP
Company Name	RDH Environmental	Tubing Type	PE
Project Name	Crist CCR	Tubing Diameter	.17 in
Site Name	Crist plant	Tubing Length	35 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	625126		
Turbidity Make/Model	2100q	Pump placement from TOC	28 ft

Well Information:		Pumping Information:	
Well ID	MW-204	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.3762198 L
Well Total Depth	33 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	12 in
Depth to Water	13.54 ft	Total Volume Pumped	68 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	11:56:57	9000.94	19.93	4.40	995.43	8.17	15.35	0.12	245.82
Last 5	12:01:57	9300.94	19.89	4.40	994.54	7.65	15.35	0.12	245.75
Last 5	12:06:57	9600.93	19.93	4.40	994.50	5.28	15.35	0.12	243.86
Last 5	12:11:57	9900.93	19.93	4.40	994.32	3.23	15.35	0.12	242.92
Last 5	12:16:57	10200.92	19.93	4.40	992.41	1.96	15.35	0.12	242.86
Variance 0			0.04	-0.00	-0.04			-0.00	-1.90
Variance 1			0.00	-0.00	-0.17			0.00	-0.94
Variance 2			0.00	0.00	-1.91			0.00	-0.05

Notes

Sunny 73 sample time 1220

Grab Samples

Product Name: Low-Flow System

Date: 2020-04-17 13:04:33

Project Information:		Pump Information:	
Operator Name	Philip Evans	Pump Model/Type	PP
Company Name	RDH Environmental	Tubing Type	PE
Project Name	Crist plant CCR	Tubing Diameter	.17 in
Site Name	Crist Plant	Tubing Length	40 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	417744		
Turbidity Make/Model	HACH 2100Q	Pump placement from TOC	27.8 ft

Well Information:		Pumping Information:	
Well ID	MW-205	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.2685369 L
Well Total Depth	32.8 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0.24 in
Depth to Water	16.23 ft	Total Volume Pumped	18 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	12:41:53	1500.03	20.52	5.01	454.51	0.25	16.25	0.58	163.05
Last 5	12:46:53	1800.03	20.61	4.96	487.19	0.25	16.25	0.61	163.57
Last 5	12:51:53	2100.03	20.60	4.93	507.58	0.26	16.25	0.66	162.96
Last 5	12:56:53	2400.03	20.61	4.92	516.28	0.20	16.25	0.69	161.76
Last 5	13:01:53	2700.03	20.63	4.95	521.26	0.22	16.25	0.69	160.02
Variance 0			-0.00	-0.03	20.39			0.05	-0.61
Variance 1			0.01	-0.01	8.70			0.03	-1.21
Variance 2			0.02	0.02	4.98			-0.00	-1.74

Notes

Sample time @ 1305. Sunny 70.

Grab Samples

Product Name: Low-Flow System

Date: 2020-04-18 13:25:12

Project Information:		Pump Information:	
Operator Name	Philip Evans	Pump Model/Type	PP
Company Name	RDH Environmental	Tubing Type	PE
Project Name	Crist plant CCR	Tubing Diameter	.17 in
Site Name	Crist Plant	Tubing Length	40 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	417744		
Turbidity Make/Model	HACH 2100Q	Pump placement from TOC	33 ft

Well Information:		Pumping Information:	
Well ID	MW-206	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.2685369 L
Well Total Depth	38 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0.6 in
Depth to Water	26.33 ft	Total Volume Pumped	10 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	13:01:43	300.09	24.28	4.99	2147.34	0.44	26.38	0.18	179.45
Last 5	13:06:43	600.05	24.26	5.00	2155.15	0.40	26.38	0.15	173.44
Last 5	13:11:43	900.04	24.06	5.00	2179.51	0.38	26.38	0.13	169.37
Last 5	13:16:43	1200.04	24.03	5.00	2175.36	0.38	26.38	0.13	168.29
Last 5	13:21:43	1500.04	24.06	5.00	2168.73	0.35	26.38	0.13	167.59
Variance 0			-0.20	-0.00	24.36			-0.02	-4.06
Variance 1			-0.03	0.01	-4.15			-0.00	-1.08
Variance 2			0.03	-0.01	-6.63			-0.00	-0.70

Notes

Sample time @ 1325. Cloudy 75. EB-03@ 1250.

Grab Samples

Product Name: Low-Flow System

Date: 2020-04-25 07:44:01

Project Information:		Pump Information:	
Operator Name	Brett Surles	Pump Model/Type	PP
Company Name	RDH	Tubing Type	PE
Project Name	Crist Delineation	Tubing Diameter	.17 in
Site Name	Crist Delineation	Tubing Length	40 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	632615		
Turbidity Make/Model	HACH	Pump placement from TOC	31 ft

Well Information:		Pumping Information:	
Well ID	PZ-200s	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.2685369 L
Well Total Depth	33.5 ft	Calculated Sample Rate	300 sec
Screen Length	5 ft	Stabilization Drawdown	0.03 in
Depth to Water	7.05 ft	Total Volume Pumped	8 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	07:27:51	300.07	20.02	4.71	2377.39	0.83	7.08	0.24	141.73
Last 5	07:32:51	600.03	20.18	4.71	2342.09	0.76	7.08	0.24	142.13
Last 5	07:37:51	900.02	20.26	4.71	2288.84	0.73	7.08	0.24	142.47
Last 5	07:42:51	1200.03	20.30	4.71	2267.83	0.64	7.08	0.23	143.26
Last 5									
Variance 0			0.16	-0.00	-35.30			-0.00	0.40
Variance 1			0.08	0.00	-53.25			0.00	0.34
Variance 2			0.05	0.00	-21.01			-0.01	0.79

Notes

Sample @0743, Sunny 63

Grab Samples

Product Name: Low-Flow System

Date: 2020-04-25 08:21:17

Project Information:		Pump Information:	
Operator Name	Philip Evans	Pump Model/Type	PP
Company Name	RDH Environmental	Tubing Type	PE
Project Name	Crist GSA	Tubing Diameter	.17 in
Site Name	Crist Plant	Tubing Length	56 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	417744		
Turbidity Make/Model	HACH 2100Q	Pump placement from TOC	49.55 ft

Well Information:		Pumping Information:	
Well ID	GSA-2S	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.3399517 L
Well Total Depth	54.55 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0.6 in
Depth to Water	22.40 ft	Total Volume Pumped	14 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	07:56:14	900.04	22.17	4.55	312.45	0.43	22.45	2.68	165.25
Last 5	08:01:15	1201.05	22.22	4.53	330.54	0.40	22.45	2.23	163.55
Last 5	08:06:15	1501.04	22.31	4.49	340.72	0.38	22.45	2.03	160.83
Last 5	08:11:15	1801.05	22.36	4.49	344.48	0.33	22.45	1.96	158.01
Last 5	08:16:15	2101.05	22.37	4.48	349.94	0.30	22.45	1.87	156.51
Variance 0			0.08	-0.03	10.17			-0.21	-2.71
Variance 1			0.05	-0.01	3.77			-0.06	-2.83
Variance 2			0.01	-0.01	5.45			-0.10	-1.49

Notes

Sample time @ 0820. Sunny 65. EB-04@ 0735.

Grab Samples

Product Name: Low-Flow System

Date: 2020-04-24 16:28:47

Project Information:		Pump Information:	
Operator Name	Philip Evans	Pump Model/Type	BP
Company Name	RDH Environmental	Tubing Type	PE
Project Name	Crist plant CCR	Tubing Diameter	.17 in
Site Name	Crist Plant	Tubing Length	154 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	417744		
Turbidity Make/Model	HACH 2100Q	Pump placement from TOC	146.4 ft

Well Information:		Pumping Information:	
Well ID	PZ-200D	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.9073672 L
Well Total Depth	151.5 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0 in
Depth to Water	6.00 ft	Total Volume Pumped	78 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	15:56:57	10515.04	23.11	6.70	96.03	22.60	6.00	0.08	38.54
Last 5	16:01:57	10815.04	23.16	6.68	95.90	22.60	6.00	0.08	43.46
Last 5	16:06:57	11115.04	23.12	6.68	95.89	22.50	6.00	0.07	48.76
Last 5	16:11:57	11415.04	23.16	6.68	95.97	22.60	6.00	0.07	53.68
Last 5	16:16:57	11715.04	23.12	6.68	96.01	22.50	6.00	0.07	58.41
Variance 0			-0.05	-0.01	-0.01			-0.00	5.30
Variance 1			0.05	0.01	0.07			-0.00	4.92
Variance 2			-0.05	-0.00	0.04			0.00	4.74

Notes

Sample time @ 1620. Sunny 85. PZ-200D FF @ 1620.

Grab Samples

Product Name: Low-Flow System

Date: 2020-04-24 13:09:26

Project Information:		Pump Information:	
Operator Name	Rick Hagendorfer	Pump Model/Type	QED
Company Name	RDH Env	Tubing Type	PE
Project Name	Crist CCR	Tubing Diameter	.17 in
Site Name	Crist plant	Tubing Length	193 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	625126		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	183.2 ft

Well Information:		Pumping Information:	
Well ID	PZ-201D	Final Pumping Rate	300 mL/min
Well diameter	2 in	Total System Volume	1.081441 L
Well Total Depth	188.2 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	27 in
Depth to Water	44.94 ft	Total Volume Pumped	43 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 5		+/- 0.2	+/- 10
Last 5	12:47:31	7507.02	23.21	6.77	97.76	9.02	47.32	0.07	-30.53
Last 5	12:52:31	7807.02	23.09	6.79	98.52	9.67	47.32	0.07	-31.38
Last 5	12:57:31	8107.02	22.92	6.78	97.15	8.70	47.32	0.06	-29.12
Last 5	13:02:33	8409.02	23.08	6.78	98.08	7.93	47.32	0.06	-30.93
Last 5	13:07:33	8709.02	23.02	6.78	97.21	8.09	47.32	0.06	-29.49
Variance 0			-0.17	-0.01	-1.37			-0.00	2.25
Variance 1			0.15	0.00	0.93			-0.00	-1.81
Variance 2			-0.05	-0.00	-0.87			-0.00	1.44

Notes

Sample time 1310. Sunny 79.

Grab Samples

Product Name: Low-Flow System

Date: 2020-04-24 19:03:16

Project Information:		Pump Information:	
Operator Name	Rick Hagendorfer	Pump Model/Type	PP
Company Name	RDH Env	Tubing Type	PE
Project Name	Crist CCR	Tubing Diameter	.17 in
Site Name	Crist plant	Tubing Length	109 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	625126		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	100.1 ft

Well Information:		Pumping Information:	
Well ID	MW-2032	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.5765131 L
Well Total Depth	102.6 ft	Calculated Sample Rate	300 sec
Screen Length	5 ft	Stabilization Drawdown	26.08 in
Depth to Water	16.86 ft	Total Volume Pumped	46 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 5		+/- 0.2	+/- 10
Last 5	18:41:13	5707.03	22.56	4.73	92.09	0.56	19.14	3.77	171.31
Last 5	18:46:14	6008.02	22.48	4.85	123.75	0.54	19.14	3.75	166.09
Last 5	18:51:14	6308.02	22.52	4.79	104.26	0.53	19.14	3.75	167.94
Last 5	18:56:15	6609.02	22.35	4.77	93.65	0.36	19.14	3.78	167.52
Last 5	19:01:16	6910.02	22.33	4.84	113.10	0.35	19.14	3.77	164.14
Variance 0			0.05	-0.06	-19.49			0.00	1.85
Variance 1			-0.18	-0.02	-10.62			0.02	-0.42
Variance 2			-0.02	0.07	19.45			-0.01	-3.38

Notes

Sample time 1904. Dup-04 fake sample time 1804. Sunset 79. FB-04 at 1611.

Grab Samples

Product Name: Low-Flow System

Date: 2020-04-24 09:34:40

Project Information:		Pump Information:	
Operator Name	Rick Hagendorfer	Pump Model/Type	QED
Company Name	RDH Env	Tubing Type	PE
Project Name	Crist CCR	Tubing Diameter	.17 in
Site Name	Crist plant	Tubing Length	210 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	625126		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	199.8 ft

Well Information:		Pumping Information:	
Well ID	PZ-203D	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	1.157319 L
Well Total Depth	202.3 ft	Calculated Sample Rate	300 sec
Screen Length	5 ft	Stabilization Drawdown	1.06 in
Depth to Water	8.19 ft	Total Volume Pumped	8 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 5		+/- 0.2	+/- 10
Last 5	09:17:44	300.03	20.94	6.86	80.30	6.61	8.35	0.04	-66.22
Last 5	09:22:44	600.02	20.95	6.84	78.61	3.72	8.35	0.04	-63.82
Last 5	09:27:44	900.02	20.98	6.86	79.86	3.56	8.35	0.03	-67.66
Last 5	09:32:44	1200.02	21.09	6.87	79.71	3.94	8.35	0.03	-68.52
Last 5									
Variance 0			0.02	-0.02	-1.70			-0.00	2.40
Variance 1			0.02	0.02	1.26			-0.00	-3.84
Variance 2			0.11	0.00	-0.15			-0.00	-0.85

Notes

Sample time 0935. Sunny 70.

Grab Samples

eurofins | Environment Testing America



ANALYTICAL REPORT

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

Laboratory Job ID: 400-186893-1
Laboratory Sample Delivery Group: Background
Client Project/Site: CCR Plant Crist
Revision: 1

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

Attn: Barry Evans

Authorized for release by:
7/27/2020 2:06:35 PM

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

LINKS

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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.

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Job ID: 400-186893-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-186893-1

Metals
Method 6020: The continuing calibration verification (CCV) associated with batch 400-486628 recovered above the upper control limit for Boron. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: EB-01 (400-186893-8).

Method 6020: The method blank for preparation batch 400-486339 and analytical batch 400-486782 contained Arsenic above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

General Chemistry
Method SM 2540C: The sample duplicate (DUP) precision for analytical batch 400-486569 was outside control limits. Sample non-homogeneity is suspected.

Method SM 4500 F C: The method blank for analytical batch 400-486995 contained <fluoride> above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method SM 4500 Cl- E: The following sample was diluted to bring the concentration of target analytes within the calibration range: (400-186843-G-1). Elevated reporting limits (RLs) are provided.

Method SM 4500 Cl- E: Due to the concentration of chlorides in the parent sample the MS/MSD was diluted after the spike. The spike amount was adjusted by the dilution factor. (400-186843-G-1), (400-186843-G-1 MS) and (400-186843-G-1 MSD)

Method SM 4500 Cl- E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-486873 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.

Report revised to add LCS for the Sulfate batch 486794.

Detection Summary

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

Job ID: 400-186893-1
SDG: Background

Client Sample ID: MW-100 — Lab Sample ID: 400-186893-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.020		0.00050	0.00014	mg/L	1		6020	Total Recoverable
Beryllium	0.000054	I	0.00050	0.000034	mg/L	1		6020	Total Recoverable
Boron	0.020		0.010	0.0036	mg/L	1		6020	Total Recoverable
Calcium	0.84		0.050	0.025	mg/L	1		6020	Total Recoverable
Cobalt	0.00058		0.00050	0.00011	mg/L	1		6020	Total Recoverable
Lead	0.000066	I	0.00025	0.000058	mg/L	1		6020	Total Recoverable
Lithium	0.00060	I	0.0010	0.00038	mg/L	1		6020	Total Recoverable
Total Dissolved Solids	28		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	6.1		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Field pH	5.03				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-101 — Lab Sample ID: 400-186893-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0099		0.00050	0.00014	mg/L	1		6020	Total Recoverable
Beryllium	0.000043	I	0.00050	0.000034	mg/L	1		6020	Total Recoverable
Boron	0.013		0.010	0.0036	mg/L	1		6020	Total Recoverable
Calcium	0.38		0.050	0.025	mg/L	1		6020	Total Recoverable
Cobalt	0.00035	I	0.00050	0.00011	mg/L	1		6020	Total Recoverable
Total Dissolved Solids	44		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	5.8		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Field pH	5.17				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-107 — Lab Sample ID: 400-186893-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.012		0.00050	0.00014	mg/L	1		6020	Total Recoverable
Beryllium	0.000061	I	0.00050	0.000034	mg/L	1		6020	Total Recoverable
Boron	0.013		0.010	0.0036	mg/L	1		6020	Total Recoverable
Calcium	0.36		0.050	0.025	mg/L	1		6020	Total Recoverable
Cobalt	0.00043	I	0.00050	0.00011	mg/L	1		6020	Total Recoverable
Lithium	0.00063	I	0.0010	0.00038	mg/L	1		6020	Total Recoverable
Total Dissolved Solids	18		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	5.3		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Field pH	5.15				SU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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

Job ID: 400-186893-1
SDG: Background

Client Sample ID: MW-108 — Lab Sample ID: 400-186893-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.012		0.00050	0.00014	mg/L	1		6020	Total Recoverable
Boron	0.017		0.010	0.0036	mg/L	1		6020	Total Recoverable
Calcium	1.3		0.050	0.025	mg/L	1		6020	Total Recoverable
Cobalt	0.00021	I	0.00050	0.00011	mg/L	1		6020	Total Recoverable
Selenium	0.00040		0.00025	0.00016	mg/L	1		6020	Total Recoverable
Total Dissolved Solids	8.0		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	5.6		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	1.7	I	5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	4.96				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-306 — Lab Sample ID: 400-186893-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.014		0.00050	0.00014	mg/L	1		6020	Total Recoverable
Boron	0.0075	I	0.010	0.0036	mg/L	1		6020	Total Recoverable
Calcium	0.53		0.050	0.025	mg/L	1		6020	Total Recoverable
Cobalt	0.00029	I	0.00050	0.00011	mg/L	1		6020	Total Recoverable
Total Dissolved Solids	6.0		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	6.2		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Field pH	5.13				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-307 — Lab Sample ID: 400-186893-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.017		0.00050	0.00014	mg/L	1		6020	Total Recoverable
Boron	0.0055	I	0.010	0.0036	mg/L	1		6020	Total Recoverable
Calcium	0.59		0.050	0.025	mg/L	1		6020	Total Recoverable
Cobalt	0.00053		0.00050	0.00011	mg/L	1		6020	Total Recoverable
Lead	0.00016	I	0.00025	0.000058	mg/L	1		6020	Total Recoverable
Lithium	0.00091	I	0.0010	0.00038	mg/L	1		6020	Total Recoverable
Total Dissolved Solids	8.0		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	4.9		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Field pH	5.58				SU	1		Field Sampling	Total/NA

Client Sample ID: DUP-01 — Lab Sample ID: 400-186893-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00018	I	0.00025	0.000078	mg/L	1		6020	Total Recoverable
Barium	0.020		0.00050	0.00014	mg/L	1		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: DUP-01 (Continued)

Lab Sample ID: 400-186893-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.000052	I	0.00050	0.000034	mg/L	1		6020	Total Recoverable
Boron	0.011		0.010	0.0036	mg/L	1		6020	Total Recoverable
Calcium	0.82		0.050	0.025	mg/L	1		6020	Total Recoverable
Cobalt	0.00060		0.00050	0.00011	mg/L	1		6020	Total Recoverable
Lead	0.000078	I	0.00025	0.000058	mg/L	1		6020	Total Recoverable
Lithium	0.00060	I	0.0010	0.00038	mg/L	1		6020	Total Recoverable
Total Dissolved Solids	24		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	6.3		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Field pH	5.03				SU	1		Field Sampling	Total/NA

Client Sample ID: EB-01

Lab Sample ID: 400-186893-8

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

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

Job ID: 400-186893-1
SDG: Background

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 TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

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

Job ID: 400-186893-1
SDG: Background

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-186893-1	MW-100	Water	04/16/20 11:35	04/17/20 08:00	
400-186893-2	MW-101	Water	04/16/20 16:40	04/17/20 08:00	
400-186893-3	MW-107	Water	04/16/20 10:30	04/17/20 08:00	
400-186893-4	MW-108	Water	04/16/20 08:50	04/17/20 08:00	
400-186893-5	MW-306	Water	04/16/20 15:40	04/17/20 08:00	
400-186893-6	MW-307	Water	04/16/20 13:45	04/17/20 08:00	
400-186893-7	DUP-01	Water	04/16/20 10:35	04/17/20 08:00	
400-186893-8	EB-01	Water	04/16/20 16:10	04/17/20 08:00	

Client Sample Results

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

Job ID: 400-186893-1
SDG: Background

Client Sample ID: MW-100
Date Collected: 04/16/20 11:35
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-1
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00030	U	0.00050	0.00030	mg/L		04/18/20 11:12	04/21/20 16:39	1
Arsenic	0.000078	U	0.00025	0.000078	mg/L		04/18/20 11:12	04/22/20 14:35	1
Barium	**0.020**		0.00050	0.00014	mg/L		04/18/20 11:12	04/21/20 16:39	1
Beryllium	**0.000054**	**I**	0.00050	0.000034	mg/L		04/18/20 11:12	04/21/20 16:39	1
Boron	**0.020**		0.010	0.0036	mg/L		04/18/20 11:12	04/22/20 14:35	1
Cadmium	0.000056	U	0.00050	0.000056	mg/L		04/18/20 11:12	04/21/20 16:39	1
Calcium	**0.84**		0.050	0.025	mg/L		04/18/20 11:12	04/21/20 16:39	1
Chromium	0.00020	U	0.00050	0.00020	mg/L		04/18/20 11:12	04/21/20 16:39	1
Cobalt	**0.00058**		0.00050	0.00011	mg/L		04/18/20 11:12	04/21/20 16:39	1
Lead	**0.000066**	**I**	0.00025	0.000058	mg/L		04/18/20 11:12	04/21/20 16:39	1
Lithium	**0.00060**	**I**	0.0010	0.00038	mg/L		04/18/20 11:12	04/21/20 16:39	1
Molybdenum	0.00090	U	0.0030	0.00090	mg/L		04/18/20 11:12	04/21/20 16:39	1
Selenium	0.00016	U	0.00025	0.00016	mg/L		04/18/20 11:12	04/21/20 16:39	1
Thallium	0.000024	U	0.00010	0.000024	mg/L		04/18/20 11:12	04/21/20 16:39	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000070	U	0.00020	0.000070	mg/L		04/27/20 08:28	04/27/20 15:09	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**28**		5.0	5.0	mg/L			04/21/20 14:11	1
Chloride	**6.1**		2.0	1.4	mg/L			04/27/20 10:12	1
Fluoride	0.032	U	0.10	0.032	mg/L			04/22/20 21:27	1
Sulfate	1.4	U	5.0	1.4	mg/L			04/22/20 17:41	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.03**				SU			04/16/20 11:35	1

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

Job ID: 400-186893-1
SDG: Background

Client Sample ID: MW-101

Date Collected: 04/16/20 16:40
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-2

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00030	U	0.00050	0.00030	mg/L		04/18/20 11:12	04/21/20 16:43	1
Arsenic	0.000078	U	0.00025	0.000078	mg/L		04/18/20 11:12	04/22/20 14:38	1
Barium	**0.0099**		0.00050	0.00014	mg/L		04/18/20 11:12	04/21/20 16:43	1
Beryllium	**0.000043**	**I**	0.00050	0.000034	mg/L		04/18/20 11:12	04/21/20 16:43	1
Boron	**0.013**		0.010	0.0036	mg/L		04/18/20 11:12	04/22/20 14:38	1
Cadmium	0.000056	U	0.00050	0.000056	mg/L		04/18/20 11:12	04/21/20 16:43	1
Calcium	**0.38**		0.050	0.025	mg/L		04/18/20 11:12	04/21/20 16:43	1
Chromium	0.00020	U	0.00050	0.00020	mg/L		04/18/20 11:12	04/21/20 16:43	1
Cobalt	**0.00035**	**I**	0.00050	0.00011	mg/L		04/18/20 11:12	04/21/20 16:43	1
Lead	0.000058	U	0.00025	0.000058	mg/L		04/18/20 11:12	04/21/20 16:43	1
Lithium	0.00038	U	0.0010	0.00038	mg/L		04/18/20 11:12	04/21/20 16:43	1
Molybdenum	0.00090	U	0.0030	0.00090	mg/L		04/18/20 11:12	04/21/20 16:43	1
Selenium	0.00016	U	0.00025	0.00016	mg/L		04/18/20 11:12	04/21/20 16:43	1
Thallium	0.000024	U	0.00010	0.000024	mg/L		04/18/20 11:12	04/21/20 16:43	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000070	U	0.00020	0.000070	mg/L		04/27/20 08:28	04/27/20 15:11	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**44**		5.0	5.0	mg/L			04/21/20 14:11	1
Chloride	**5.8**		2.0	1.4	mg/L			04/27/20 10:12	1
Fluoride	0.032	U	0.10	0.032	mg/L			04/22/20 21:40	1
Sulfate	1.4	U	5.0	1.4	mg/L			04/22/20 17:41	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.17**				SU			04/16/20 16:40	1

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

Job ID: 400-186893-1
SDG: Background

Client Sample ID: MW-107
Date Collected: 04/16/20 10:30
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-3
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00030	U	0.00050	0.00030	mg/L		04/18/20 11:12	04/21/20 16:52	1
Arsenic	0.000078	U	0.00025	0.000078	mg/L		04/18/20 11:12	04/21/20 16:52	1
Barium	**0.012**		0.00050	0.00014	mg/L		04/18/20 11:12	04/21/20 16:52	1
Beryllium	**0.000061**	**I**	0.00050	0.000034	mg/L		04/18/20 11:12	04/21/20 16:52	1
Boron	**0.013**		0.010	0.0036	mg/L		04/18/20 11:12	04/22/20 14:41	1
Cadmium	0.000056	U	0.00050	0.000056	mg/L		04/18/20 11:12	04/21/20 16:52	1
Calcium	**0.36**		0.050	0.025	mg/L		04/18/20 11:12	04/21/20 16:52	1
Chromium	0.00020	U	0.00050	0.00020	mg/L		04/18/20 11:12	04/21/20 16:52	1
Cobalt	**0.00043**	**I**	0.00050	0.00011	mg/L		04/18/20 11:12	04/21/20 16:52	1
Lead	0.000058	U	0.00025	0.000058	mg/L		04/18/20 11:12	04/21/20 16:52	1
Lithium	**0.00063**	**I**	0.0010	0.00038	mg/L		04/18/20 11:12	04/21/20 16:52	1
Molybdenum	0.00090	U	0.0030	0.00090	mg/L		04/18/20 11:12	04/21/20 16:52	1
Selenium	0.00016	U	0.00025	0.00016	mg/L		04/18/20 11:12	04/21/20 16:52	1
Thallium	0.000024	U	0.00010	0.000024	mg/L		04/18/20 11:12	04/21/20 16:52	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000070	U	0.00020	0.000070	mg/L		04/27/20 08:28	04/27/20 15:13	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**18**		5.0	5.0	mg/L			04/21/20 13:49	1
Chloride	**5.3**		2.0	1.4	mg/L			04/23/20 17:34	1
Fluoride	0.032	U	0.10	0.032	mg/L			04/22/20 21:42	1
Sulfate	1.4	U	5.0	1.4	mg/L			04/23/20 12:43	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.15**				SU			04/16/20 10:30	1

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

Job ID: 400-186893-1
SDG: Background

Client Sample ID: MW-108
Date Collected: 04/16/20 08:50
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-4
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00030	U	0.00050	0.00030	mg/L		04/18/20 11:12	04/21/20 16:56	1
Arsenic	0.000078	U	0.00025	0.000078	mg/L		04/18/20 11:12	04/21/20 16:56	1
Barium	**0.012**		0.00050	0.00014	mg/L		04/18/20 11:12	04/21/20 16:56	1
Beryllium	0.000034	U	0.00050	0.000034	mg/L		04/18/20 11:12	04/21/20 16:56	1
Boron	**0.017**		0.010	0.0036	mg/L		04/18/20 11:12	04/22/20 14:44	1
Cadmium	0.000056	U	0.00050	0.000056	mg/L		04/18/20 11:12	04/21/20 16:56	1
Calcium	**1.3**		0.050	0.025	mg/L		04/18/20 11:12	04/21/20 16:56	1
Chromium	0.00020	U	0.00050	0.00020	mg/L		04/18/20 11:12	04/21/20 16:56	1
Cobalt	**0.00021**	**I**	0.00050	0.00011	mg/L		04/18/20 11:12	04/21/20 16:56	1
Lead	0.000058	U	0.00025	0.000058	mg/L		04/18/20 11:12	04/21/20 16:56	1
Lithium	0.00038	U	0.0010	0.00038	mg/L		04/18/20 11:12	04/21/20 16:56	1
Molybdenum	0.00090	U	0.0030	0.00090	mg/L		04/18/20 11:12	04/21/20 16:56	1
Selenium	**0.00040**		0.00025	0.00016	mg/L		04/18/20 11:12	04/21/20 16:56	1
Thallium	0.000024	U	0.00010	0.000024	mg/L		04/18/20 11:12	04/21/20 16:56	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000070	U	0.00020	0.000070	mg/L		04/27/20 08:28	04/27/20 15:15	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**8.0**		5.0	5.0	mg/L			04/21/20 14:11	1
Chloride	**5.6**		2.0	1.4	mg/L			04/23/20 17:34	1
Fluoride	0.032	U	0.10	0.032	mg/L			04/22/20 21:47	1
Sulfate	**1.7**	**I**	5.0	1.4	mg/L			04/23/20 12:43	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.96**				SU			04/16/20 08:50	1

Client Sample Results

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

Job ID: 400-186893-1
SDG: Background

Client Sample ID: MW-306

Date Collected: 04/16/20 15:40
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-5

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00030	U	0.00050	0.00030	mg/L		04/18/20 11:12	04/21/20 16:59	1
Arsenic	0.000078	U	0.00025	0.000078	mg/L		04/18/20 11:12	04/21/20 16:59	1
Barium	**0.014**		0.00050	0.00014	mg/L		04/18/20 11:12	04/21/20 16:59	1
Beryllium	0.000034	U	0.00050	0.000034	mg/L		04/18/20 11:12	04/21/20 16:59	1
Boron	**0.0075**	**I**	0.010	0.0036	mg/L		04/18/20 11:12	04/22/20 14:48	1
Cadmium	0.000056	U	0.00050	0.000056	mg/L		04/18/20 11:12	04/21/20 16:59	1
Calcium	**0.53**		0.050	0.025	mg/L		04/18/20 11:12	04/21/20 16:59	1
Chromium	0.00020	U	0.00050	0.00020	mg/L		04/18/20 11:12	04/21/20 16:59	1
Cobalt	**0.00029**	**I**	0.00050	0.00011	mg/L		04/18/20 11:12	04/21/20 16:59	1
Lead	0.000058	U	0.00025	0.000058	mg/L		04/18/20 11:12	04/21/20 16:59	1
Lithium	0.00038	U	0.0010	0.00038	mg/L		04/18/20 11:12	04/21/20 16:59	1
Molybdenum	0.00090	U	0.0030	0.00090	mg/L		04/18/20 11:12	04/21/20 16:59	1
Selenium	0.00016	U	0.00025	0.00016	mg/L		04/18/20 11:12	04/21/20 16:59	1
Thallium	0.000024	U	0.00010	0.000024	mg/L		04/18/20 11:12	04/21/20 16:59	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000070	U	0.00020	0.000070	mg/L		04/27/20 08:28	04/27/20 15:17	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**6.0**		5.0	5.0	mg/L			04/21/20 14:11	1
Chloride	**6.2**		2.0	1.4	mg/L			04/23/20 17:34	1
Fluoride	0.032	U	0.10	0.032	mg/L			04/22/20 21:49	1
Sulfate	1.4	U	5.0	1.4	mg/L			04/23/20 12:43	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.13**				SU			04/16/20 15:40	1

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

Job ID: 400-186893-1
SDG: Background

Client Sample ID: MW-307
Date Collected: 04/16/20 13:45
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-6
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00030	U	0.00050	0.00030	mg/L		04/18/20 11:12	04/21/20 17:02	1
Arsenic	0.000078	U	0.00025	0.000078	mg/L		04/18/20 11:12	04/21/20 17:02	1
Barium	**0.017**		0.00050	0.00014	mg/L		04/18/20 11:12	04/21/20 17:02	1
Beryllium	0.000034	U	0.00050	0.000034	mg/L		04/18/20 11:12	04/21/20 17:02	1
Boron	**0.0055**	**I**	0.010	0.0036	mg/L		04/18/20 11:12	04/22/20 14:51	1
Cadmium	0.000056	U	0.00050	0.000056	mg/L		04/18/20 11:12	04/21/20 17:02	1
Calcium	**0.59**		0.050	0.025	mg/L		04/18/20 11:12	04/21/20 17:02	1
Chromium	0.00020	U	0.00050	0.00020	mg/L		04/18/20 11:12	04/21/20 17:02	1
Cobalt	**0.00053**		0.00050	0.00011	mg/L		04/18/20 11:12	04/21/20 17:02	1
Lead	**0.00016**	**I**	0.00025	0.000058	mg/L		04/18/20 11:12	04/21/20 17:02	1
Lithium	**0.00091**	**I**	0.0010	0.00038	mg/L		04/18/20 11:12	04/21/20 17:02	1
Molybdenum	0.00090	U	0.0030	0.00090	mg/L		04/18/20 11:12	04/21/20 17:02	1
Selenium	0.00016	U	0.00025	0.00016	mg/L		04/18/20 11:12	04/21/20 17:02	1
Thallium	0.000024	U	0.00010	0.000024	mg/L		04/18/20 11:12	04/21/20 17:02	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000070	U	0.00020	0.000070	mg/L		04/27/20 08:28	04/27/20 15:19	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**8.0**		5.0	5.0	mg/L			04/21/20 14:11	1
Chloride	**4.9**		2.0	1.4	mg/L			04/23/20 17:34	1
Fluoride	0.032	U	0.10	0.032	mg/L			04/22/20 21:53	1
Sulfate	1.4	U	5.0	1.4	mg/L			04/23/20 12:43	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.58**				SU			04/16/20 13:45	1

Client Sample ID: DUP-01
Date Collected: 04/16/20 10:35
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-7
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00030	U	0.00050	0.00030	mg/L		04/18/20 11:12	04/21/20 17:06	1
Arsenic	**0.00018**	**I**	0.00025	0.000078	mg/L		04/18/20 11:12	04/21/20 17:06	1
Barium	**0.020**		0.00050	0.00014	mg/L		04/18/20 11:12	04/21/20 17:06	1
Beryllium	**0.000052**	**I**	0.00050	0.000034	mg/L		04/18/20 11:12	04/21/20 17:06	1
Boron	**0.011**		0.010	0.0036	mg/L		04/18/20 11:12	04/22/20 15:01	1
Cadmium	0.000056	U	0.00050	0.000056	mg/L		04/18/20 11:12	04/21/20 17:06	1
Calcium	**0.82**		0.050	0.025	mg/L		04/18/20 11:12	04/21/20 17:06	1
Chromium	0.00020	U	0.00050	0.00020	mg/L		04/18/20 11:12	04/21/20 17:06	1
Cobalt	**0.00060**		0.00050	0.00011	mg/L		04/18/20 11:12	04/21/20 17:06	1
Lead	**0.000078**	**I**	0.00025	0.000058	mg/L		04/18/20 11:12	04/21/20 17:06	1
Lithium	**0.00060**	**I**	0.0010	0.00038	mg/L		04/18/20 11:12	04/21/20 17:06	1
Molybdenum	0.00090	U	0.0030	0.00090	mg/L		04/18/20 11:12	04/21/20 17:06	1
Selenium	0.00016	U	0.00025	0.00016	mg/L		04/18/20 11:12	04/21/20 17:06	1
Thallium	0.000024	U	0.00010	0.000024	mg/L		04/18/20 11:12	04/21/20 17:06	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000070	U	0.00020	0.000070	mg/L		04/27/20 08:28	04/27/20 15:21	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**24**		5.0	5.0	mg/L			04/21/20 14:11	1
Chloride	**6.3**		2.0	1.4	mg/L			04/23/20 17:34	1
Fluoride	0.032	U	0.10	0.032	mg/L			04/22/20 21:57	1
Sulfate	1.4	U	5.0	1.4	mg/L			04/23/20 12:43	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.03**				SU			04/16/20 10:35	1

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

Job ID: 400-186893-1
SDG: Background

Client Sample ID: EB-01

Date Collected: 04/16/20 16:10
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-8

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00030	U	0.00050	0.00030	mg/L		04/18/20 11:12	04/21/20 17:09	1
Arsenic	0.000078	U	0.00025	0.000078	mg/L		04/18/20 11:12	04/21/20 17:09	1
Barium	0.00014	U	0.00050	0.00014	mg/L		04/18/20 11:12	04/21/20 17:09	1
Beryllium	0.000034	U	0.00050	0.000034	mg/L		04/18/20 11:12	04/21/20 17:09	1
Boron	0.0036	U	0.010	0.0036	mg/L		04/18/20 11:12	04/21/20 17:09	1
Cadmium	0.000056	U	0.00050	0.000056	mg/L		04/18/20 11:12	04/21/20 17:09	1
Calcium	0.025	U	0.050	0.025	mg/L		04/18/20 11:12	04/21/20 17:09	1
Chromium	0.00020	U	0.00050	0.00020	mg/L		04/18/20 11:12	04/21/20 17:09	1
Cobalt	0.00011	U	0.00050	0.00011	mg/L		04/18/20 11:12	04/21/20 17:09	1
Lead	0.000058	U	0.00025	0.000058	mg/L		04/18/20 11:12	04/21/20 17:09	1
Lithium	0.00038	U	0.0010	0.00038	mg/L		04/18/20 11:12	04/21/20 17:09	1
Molybdenum	0.00090	U	0.0030	0.00090	mg/L		04/18/20 11:12	04/21/20 17:09	1
Selenium	0.00016	U	0.00025	0.00016	mg/L		04/18/20 11:12	04/21/20 17:09	1
Thallium	0.000024	U	0.00010	0.000024	mg/L		04/18/20 11:12	04/21/20 17:09	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000070	U	0.00020	0.000070	mg/L		04/27/20 08:28	04/27/20 15:28	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			04/21/20 14:11	1
Chloride	1.4	U	2.0	1.4	mg/L			04/23/20 17:34	1
Fluoride	0.032	U	0.10	0.032	mg/L			04/22/20 22:01	1
Sulfate	1.4	U	5.0	1.4	mg/L			04/23/20 12:43	1

Qualifiers

Metals

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.

General Chemistry

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

Glossary

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

Client Sample ID: MW-100
Date Collected: 04/16/20 11:35
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			486339	04/18/20 11:12	NET	TAL PEN
Total Recoverable	Analysis	6020		1	486628	04/21/20 16:39	AW	TAL PEN
Total Recoverable	Prep	3005A			486339	04/18/20 11:12	NET	TAL PEN
Total Recoverable	Analysis	6020		1	486782	04/22/20 14:35	AW	TAL PEN
Total/NA	Prep	7470A			486650	04/27/20 08:28	JAP	TAL PEN
Total/NA	Analysis	7470A		1	487189	04/27/20 15:09	JAP	TAL PEN
Total/NA	Analysis	SM 2540C		1	486569	04/21/20 14:11	CLB	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	487120	04/27/20 10:12	HES	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	486995	04/22/20 21:27	MAF	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		1	486794	04/22/20 17:41	HES	TAL PEN
Total/NA	Analysis	Field Sampling		1	488336	04/16/20 11:35	MCS	TAL PEN

Client Sample ID: MW-101
Date Collected: 04/16/20 16:40
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			486339	04/18/20 11:12	NET	TAL PEN
Total Recoverable	Analysis	6020		1	486628	04/21/20 16:43	AW	TAL PEN
Total Recoverable	Prep	3005A			486339	04/18/20 11:12	NET	TAL PEN
Total Recoverable	Analysis	6020		1	486782	04/22/20 14:38	AW	TAL PEN
Total/NA	Prep	7470A			486650	04/27/20 08:28	JAP	TAL PEN
Total/NA	Analysis	7470A		1	487189	04/27/20 15:11	JAP	TAL PEN
Total/NA	Analysis	SM 2540C		1	486569	04/21/20 14:11	CLB	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	487120	04/27/20 10:12	HES	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	486995	04/22/20 21:40	MAF	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		1	486794	04/22/20 17:41	HES	TAL PEN
Total/NA	Analysis	Field Sampling		1	488336	04/16/20 16:40	MCS	TAL PEN

Client Sample ID: MW-107
Date Collected: 04/16/20 10:30
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			486339	04/18/20 11:12	NET	TAL PEN
Total Recoverable	Analysis	6020		1	486628	04/21/20 16:52	AW	TAL PEN
Total Recoverable	Prep	3005A			486339	04/18/20 11:12	NET	TAL PEN
Total Recoverable	Analysis	6020		1	486782	04/22/20 14:41	AW	TAL PEN
Total/NA	Prep	7470A			486650	04/27/20 08:28	JAP	TAL PEN
Total/NA	Analysis	7470A		1	487189	04/27/20 15:13	JAP	TAL PEN
Total/NA	Analysis	SM 2540C		1	486565	04/21/20 13:49	CLB	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	486873	04/23/20 17:34	HES	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	486995	04/22/20 21:42	MAF	TAL PEN

Lab Chronicle

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

Job ID: 400-186893-1
SDG: Background

Client Sample ID: MW-107
Date Collected: 04/16/20 10:30
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-3
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	486829	04/23/20 12:43	HES	TAL PEN
Total/NA	Analysis	Field Sampling		1	488336	04/16/20 10:30	MCS	TAL PEN

Client Sample ID: MW-108
Date Collected: 04/16/20 08:50
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			486339	04/18/20 11:12	NET	TAL PEN
Total Recoverable	Analysis	6020		1	486628	04/21/20 16:56	AW	TAL PEN
Total Recoverable	Prep	3005A			486339	04/18/20 11:12	NET	TAL PEN
Total Recoverable	Analysis	6020		1	486782	04/22/20 14:44	AW	TAL PEN
Total/NA	Prep	7470A			486650	04/27/20 08:28	JAP	TAL PEN
Total/NA	Analysis	7470A		1	487189	04/27/20 15:15	JAP	TAL PEN
Total/NA	Analysis	SM 2540C		1	486569	04/21/20 14:11	CLB	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	486873	04/23/20 17:34	HES	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	486995	04/22/20 21:47	MAF	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		1	486829	04/23/20 12:43	HES	TAL PEN
Total/NA	Analysis	Field Sampling		1	488336	04/16/20 08:50	MCS	TAL PEN

Client Sample ID: MW-306
Date Collected: 04/16/20 15:40
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			486339	04/18/20 11:12	NET	TAL PEN
Total Recoverable	Analysis	6020		1	486628	04/21/20 16:59	AW	TAL PEN
Total Recoverable	Prep	3005A			486339	04/18/20 11:12	NET	TAL PEN
Total Recoverable	Analysis	6020		1	486782	04/22/20 14:48	AW	TAL PEN
Total/NA	Prep	7470A			486650	04/27/20 08:28	JAP	TAL PEN
Total/NA	Analysis	7470A		1	487189	04/27/20 15:17	JAP	TAL PEN
Total/NA	Analysis	SM 2540C		1	486569	04/21/20 14:11	CLB	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	486873	04/23/20 17:34	HES	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	486995	04/22/20 21:49	MAF	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		1	486829	04/23/20 12:43	HES	TAL PEN
Total/NA	Analysis	Field Sampling		1	488336	04/16/20 15:40	MCS	TAL PEN

Client Sample ID: MW-307
Date Collected: 04/16/20 13:45
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			486339	04/18/20 11:12	NET	TAL PEN
Total Recoverable	Analysis	6020		1	486628	04/21/20 17:02	AW	TAL PEN

Client Sample ID: MW-307
Date Collected: 04/16/20 13:45
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			486339	04/18/20 11:12	NET	TAL PEN
Total Recoverable	Analysis	6020		1	486782	04/22/20 14:51	AW	TAL PEN
Total/NA	Prep	7470A			486650	04/27/20 08:28	JAP	TAL PEN
Total/NA	Analysis	7470A		1	487189	04/27/20 15:19	JAP	TAL PEN
Total/NA	Analysis	SM 2540C		1	486569	04/21/20 14:11	CLB	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	486873	04/23/20 17:34	HES	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	486995	04/22/20 21:53	MAF	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		1	486829	04/23/20 12:43	HES	TAL PEN
Total/NA	Analysis	Field Sampling		1	488336	04/16/20 13:45	MCS	TAL PEN

Client Sample ID: DUP-01
Date Collected: 04/16/20 10:35
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			486339	04/18/20 11:12	NET	TAL PEN
Total Recoverable	Analysis	6020		1	486628	04/21/20 17:06	AW	TAL PEN
Total Recoverable	Prep	3005A			486339	04/18/20 11:12	NET	TAL PEN
Total Recoverable	Analysis	6020		1	486782	04/22/20 15:01	AW	TAL PEN
Total/NA	Prep	7470A			486650	04/27/20 08:28	JAP	TAL PEN
Total/NA	Analysis	7470A		1	487189	04/27/20 15:21	JAP	TAL PEN
Total/NA	Analysis	SM 2540C		1	486569	04/21/20 14:11	CLB	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	486873	04/23/20 17:34	HES	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	486995	04/22/20 21:57	MAF	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		1	486829	04/23/20 12:43	HES	TAL PEN
Total/NA	Analysis	Field Sampling		1	488336	04/16/20 10:35	MCS	TAL PEN

Client Sample ID: EB-01
Date Collected: 04/16/20 16:10
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			486339	04/18/20 11:12	NET	TAL PEN
Total Recoverable	Analysis	6020		1	486628	04/21/20 17:09	AW	TAL PEN
Total/NA	Prep	7470A			486650	04/27/20 08:28	JAP	TAL PEN
Total/NA	Analysis	7470A		1	487189	04/27/20 15:28	JAP	TAL PEN
Total/NA	Analysis	SM 2540C		1	486569	04/21/20 14:11	CLB	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	486873	04/23/20 17:34	HES	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	486995	04/22/20 22:01	MAF	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		1	486829	04/23/20 12:43	HES	TAL PEN

Laboratory References:

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

Metals

Prep Batch: 486339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186893-1	MW-100	Total Recoverable	Water	3005A	
400-186893-2	MW-101	Total Recoverable	Water	3005A	
400-186893-3	MW-107	Total Recoverable	Water	3005A	
400-186893-4	MW-108	Total Recoverable	Water	3005A	
400-186893-5	MW-306	Total Recoverable	Water	3005A	
400-186893-6	MW-307	Total Recoverable	Water	3005A	
400-186893-7	DUP-01	Total Recoverable	Water	3005A	
400-186893-8	EB-01	Total Recoverable	Water	3005A	
MB 400-486339/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 400-486339/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
400-186859-E-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
400-186859-E-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Filtration Batch: 486544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-486544/1-C	Method Blank	Total/NA	Water	FILTRATION	
LCS 400-486544/2-C	Lab Control Sample	Total/NA	Water	FILTRATION	
400-186956-F-50-F MS	Matrix Spike	Dissolved	Water	FILTRATION	
400-186956-F-50-G MSD	Matrix Spike Duplicate	Dissolved	Water	FILTRATION	

Analysis Batch: 486628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186893-1	MW-100	Total Recoverable	Water	6020	486339
400-186893-2	MW-101	Total Recoverable	Water	6020	486339
400-186893-3	MW-107	Total Recoverable	Water	6020	486339
400-186893-4	MW-108	Total Recoverable	Water	6020	486339
400-186893-5	MW-306	Total Recoverable	Water	6020	486339
400-186893-6	MW-307	Total Recoverable	Water	6020	486339
400-186893-7	DUP-01	Total Recoverable	Water	6020	486339
400-186893-8	EB-01	Total Recoverable	Water	6020	486339
MB 400-486339/1-A	Method Blank	Total Recoverable	Water	6020	486339
LCS 400-486339/2-A	Lab Control Sample	Total Recoverable	Water	6020	486339
400-186859-E-1-B MS	Matrix Spike	Total Recoverable	Water	6020	486339
400-186859-E-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020	486339

Prep Batch: 486650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186893-1	MW-100	Total/NA	Water	7470A	
400-186893-2	MW-101	Total/NA	Water	7470A	
400-186893-3	MW-107	Total/NA	Water	7470A	
400-186893-4	MW-108	Total/NA	Water	7470A	
400-186893-5	MW-306	Total/NA	Water	7470A	
400-186893-6	MW-307	Total/NA	Water	7470A	
400-186893-7	DUP-01	Total/NA	Water	7470A	
400-186893-8	EB-01	Total/NA	Water	7470A	
MB 400-486544/1-C	Method Blank	Total/NA	Water	7470A	486544
LCS 400-486544/2-C	Lab Control Sample	Total/NA	Water	7470A	486544
400-186956-F-50-F MS	Matrix Spike	Dissolved	Water	7470A	486544
400-186956-F-50-G MSD	Matrix Spike Duplicate	Dissolved	Water	7470A	486544

Metals

Analysis Batch: 486782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186893-1	MW-100	Total Recoverable	Water	6020	486339
400-186893-2	MW-101	Total Recoverable	Water	6020	486339
400-186893-3	MW-107	Total Recoverable	Water	6020	486339
400-186893-4	MW-108	Total Recoverable	Water	6020	486339
400-186893-5	MW-306	Total Recoverable	Water	6020	486339
400-186893-6	MW-307	Total Recoverable	Water	6020	486339
400-186893-7	DUP-01	Total Recoverable	Water	6020	486339
MB 400-486339/1-A	Method Blank	Total Recoverable	Water	6020	486339
400-186859-E-1-B MS	Matrix Spike	Total Recoverable	Water	6020	486339
400-186859-E-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020	486339

Analysis Batch: 487189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186893-1	MW-100	Total/NA	Water	7470A	486650
400-186893-2	MW-101	Total/NA	Water	7470A	486650
400-186893-3	MW-107	Total/NA	Water	7470A	486650
400-186893-4	MW-108	Total/NA	Water	7470A	486650
400-186893-5	MW-306	Total/NA	Water	7470A	486650
400-186893-6	MW-307	Total/NA	Water	7470A	486650
400-186893-7	DUP-01	Total/NA	Water	7470A	486650
400-186893-8	EB-01	Total/NA	Water	7470A	486650
MB 400-486544/1-C	Method Blank	Total/NA	Water	7470A	486650
LCS 400-486544/2-C	Lab Control Sample	Total/NA	Water	7470A	486650
400-186956-F-50-F MS	Matrix Spike	Dissolved	Water	7470A	486650
400-186956-F-50-G MSD	Matrix Spike Duplicate	Dissolved	Water	7470A	486650

General Chemistry

Analysis Batch: 486565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186893-3	MW-107	Total/NA	Water	SM 2540C	
MB 400-486565/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-486565/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-186855-C-2 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 486569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186893-1	MW-100	Total/NA	Water	SM 2540C	
400-186893-2	MW-101	Total/NA	Water	SM 2540C	
400-186893-4	MW-108	Total/NA	Water	SM 2540C	
400-186893-5	MW-306	Total/NA	Water	SM 2540C	
400-186893-6	MW-307	Total/NA	Water	SM 2540C	
400-186893-7	DUP-01	Total/NA	Water	SM 2540C	
400-186893-8	EB-01	Total/NA	Water	SM 2540C	
MB 400-486569/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-486569/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-186906-A-1 DU	Duplicate	Total/NA	Water	SM 2540C	
400-186906-A-7 DU	Duplicate	Total/NA	Water	SM 2540C	

General Chemistry

Analysis Batch: 486794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186893-1	MW-100	Total/NA	Water	SM 4500 SO4 E	
400-186893-2	MW-101	Total/NA	Water	SM 4500 SO4 E	
MB 400-486794/6	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-486794/4	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-486794/3	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-186822-E-1 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
400-186822-E-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	
400-186831-A-3 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
400-186831-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 486829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186893-3	MW-107	Total/NA	Water	SM 4500 SO4 E	
400-186893-4	MW-108	Total/NA	Water	SM 4500 SO4 E	
400-186893-5	MW-306	Total/NA	Water	SM 4500 SO4 E	
400-186893-6	MW-307	Total/NA	Water	SM 4500 SO4 E	
400-186893-7	DUP-01	Total/NA	Water	SM 4500 SO4 E	
400-186893-8	EB-01	Total/NA	Water	SM 4500 SO4 E	
MB 400-486829/29	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-486829/24	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
LCS 400-486829/30	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-486829/15	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-186893-3 MS	MW-107	Total/NA	Water	SM 4500 SO4 E	
400-186893-3 MSD	MW-107	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 486873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186893-3	MW-107	Total/NA	Water	SM 4500 Cl- E	
400-186893-4	MW-108	Total/NA	Water	SM 4500 Cl- E	
400-186893-5	MW-306	Total/NA	Water	SM 4500 Cl- E	
400-186893-6	MW-307	Total/NA	Water	SM 4500 Cl- E	
400-186893-7	DUP-01	Total/NA	Water	SM 4500 Cl- E	
400-186893-8	EB-01	Total/NA	Water	SM 4500 Cl- E	
MB 400-486873/6	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-486873/7	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-486873/3	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-186843-G-1 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- E	
400-186843-G-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 486995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186893-1	MW-100	Total/NA	Water	SM 4500 F C	
400-186893-2	MW-101	Total/NA	Water	SM 4500 F C	
400-186893-3	MW-107	Total/NA	Water	SM 4500 F C	
400-186893-4	MW-108	Total/NA	Water	SM 4500 F C	
400-186893-5	MW-306	Total/NA	Water	SM 4500 F C	
400-186893-6	MW-307	Total/NA	Water	SM 4500 F C	
400-186893-7	DUP-01	Total/NA	Water	SM 4500 F C	
400-186893-8	EB-01	Total/NA	Water	SM 4500 F C	
MB 400-486995/4	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-486995/2	Lab Control Sample	Total/NA	Water	SM 4500 F C	

General Chemistry (Continued)

Analysis Batch: 486995 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186831-A-1 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
400-186831-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	
400-186893-1 MS	MW-100	Total/NA	Water	SM 4500 F C	
400-186893-1 MSD	MW-100	Total/NA	Water	SM 4500 F C	

Analysis Batch: 487120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186893-1	MW-100	Total/NA	Water	SM 4500 Cl- E	
400-186893-2	MW-101	Total/NA	Water	SM 4500 Cl- E	
MB 400-487120/6	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-487120/7	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-487120/3	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-186893-1 MS	MW-100	Total/NA	Water	SM 4500 Cl- E	
400-186893-1 MSD	MW-100	Total/NA	Water	SM 4500 Cl- E	
400-186948-A-10 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- E	
400-186948-A-10 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- E	

Field Service / Mobile Lab

Analysis Batch: 488336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186893-1	MW-100	Total/NA	Water	Field Sampling	
400-186893-2	MW-101	Total/NA	Water	Field Sampling	
400-186893-3	MW-107	Total/NA	Water	Field Sampling	
400-186893-4	MW-108	Total/NA	Water	Field Sampling	
400-186893-5	MW-306	Total/NA	Water	Field Sampling	
400-186893-6	MW-307	Total/NA	Water	Field Sampling	
400-186893-7	DUP-01	Total/NA	Water	Field Sampling	

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 400-486339/1-A
Matrix: Water
Analysis Batch: 486628

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 486339

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00030	U	0.00050	0.00030	mg/L		04/18/20 11:12	04/21/20 12:27	1
Barium	0.00014	U	0.00050	0.00014	mg/L		04/18/20 11:12	04/21/20 12:27	1
Beryllium	0.000034	U	0.00050	0.000034	mg/L		04/18/20 11:12	04/21/20 12:27	1
Boron	0.0036	U	0.010	0.0036	mg/L		04/18/20 11:12	04/21/20 12:27	1
Cadmium	0.000056	U	0.00050	0.000056	mg/L		04/18/20 11:12	04/21/20 12:27	1
Calcium	0.025	U	0.050	0.025	mg/L		04/18/20 11:12	04/21/20 12:27	1
Chromium	0.00020	U	0.00050	0.00020	mg/L		04/18/20 11:12	04/21/20 12:27	1
Cobalt	0.00011	U	0.00050	0.00011	mg/L		04/18/20 11:12	04/21/20 12:27	1
Lead	0.000058	U	0.00025	0.000058	mg/L		04/18/20 11:12	04/21/20 12:27	1
Lithium	0.00038	U	0.0010	0.00038	mg/L		04/18/20 11:12	04/21/20 12:27	1
Molybdenum	0.00090	U	0.0030	0.00090	mg/L		04/18/20 11:12	04/21/20 12:27	1
Selenium	0.00016	U	0.00025	0.00016	mg/L		04/18/20 11:12	04/21/20 12:27	1
Thallium	0.000024	U	0.00010	0.000024	mg/L		04/18/20 11:12	04/21/20 12:27	1

Lab Sample ID: MB 400-486339/1-A
Matrix: Water
Analysis Batch: 486782

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 486339

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.000177	I	0.00025	0.000078	mg/L		04/18/20 11:12	04/22/20 14:21	1
Boron	0.0036	U	0.010	0.0036	mg/L		04/18/20 11:12	04/22/20 14:21	1

Lab Sample ID: LCS 400-486339/2-A
Matrix: Water
Analysis Batch: 486628

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 486339

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.0500	0.0543		mg/L		109	80 - 120
Arsenic	0.0500	0.0516		mg/L		103	80 - 120
Barium	0.0500	0.0501		mg/L		100	80 - 120
Beryllium	0.0500	0.0513		mg/L		103	80 - 120
Boron	0.100	0.102		mg/L		102	80 - 120
Cadmium	0.0500	0.0510		mg/L		102	80 - 120
Calcium	5.00	4.92		mg/L		98	80 - 120
Chromium	0.0500	0.0516		mg/L		103	80 - 120
Cobalt	0.0500	0.0515		mg/L		103	80 - 120
Lead	0.0500	0.0507		mg/L		101	80 - 120
Lithium	0.0500	0.0506		mg/L		101	80 - 120
Molybdenum	0.0500	0.0513		mg/L		103	80 - 120
Selenium	0.0500	0.0499		mg/L		100	80 - 120
Thallium	0.0100	0.0103		mg/L		103	80 - 120

Lab Sample ID: 400-186859-E-1-B MS
Matrix: Water
Analysis Batch: 486628

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 486339

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.00030	U	0.0500	0.0547		mg/L		109	75 - 125
Arsenic	0.00030		0.0500	0.0522		mg/L		104	75 - 125

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

Lab Sample ID: 400-186859-E-1-B MS
Matrix: Water
Analysis Batch: 486628

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 486339

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	0.022		0.0500	0.0721		mg/L		100	75 - 125
Beryllium	0.000034	U	0.0500	0.0523		mg/L		105	75 - 125
Cadmium	0.000056	U	0.0500	0.0509		mg/L		102	75 - 125
Chromium	0.00047	I	0.0500	0.0515		mg/L		102	75 - 125
Cobalt	0.00032	I	0.0500	0.0505		mg/L		100	75 - 125
Lead	0.00025		0.0500	0.0505		mg/L		101	75 - 125
Lithium	0.00085	I	0.0500	0.0522		mg/L		103	75 - 125
Molybdenum	0.00090	U	0.0500	0.0520		mg/L		104	75 - 125
Thallium	0.000024	U	0.0100	0.0102		mg/L		102	75 - 125

Lab Sample ID: 400-186859-E-1-B MS
Matrix: Water
Analysis Batch: 486782

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 486339

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.00047	V	0.0500	0.0497		mg/L		98	75 - 125
Boron	0.18		0.100	0.280		mg/L		98	75 - 125

Lab Sample ID: 400-186859-E-1-C MSD
Matrix: Water
Analysis Batch: 486628

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 486339

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	0.00030	U	0.0500	0.0550		mg/L		110	75 - 125	0	20
Arsenic	0.00030		0.0500	0.0521		mg/L		104	75 - 125	0	20
Barium	0.022		0.0500	0.0729		mg/L		102	75 - 125	1	20
Beryllium	0.000034	U	0.0500	0.0518		mg/L		104	75 - 125	1	20
Cadmium	0.000056	U	0.0500	0.0520		mg/L		104	75 - 125	2	20
Chromium	0.00047	I	0.0500	0.0514		mg/L		102	75 - 125	0	20
Cobalt	0.00032	I	0.0500	0.0505		mg/L		100	75 - 125	0	20
Lead	0.00025		0.0500	0.0517		mg/L		103	75 - 125	2	20
Lithium	0.00085	I	0.0500	0.0518		mg/L		102	75 - 125	1	20
Molybdenum	0.00090	U	0.0500	0.0514		mg/L		103	75 - 125	1	20
Thallium	0.000024	U	0.0100	0.0103		mg/L		103	75 - 125	1	20

Lab Sample ID: 400-186859-E-1-C MSD
Matrix: Water
Analysis Batch: 486782

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 486339

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.00047	V	0.0500	0.0518		mg/L		103	75 - 125	4	20
Boron	0.18		0.100	0.284		mg/L		101	75 - 125	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 400-486544/1-C
Matrix: Water
Analysis Batch: 487189

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 486650

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000070	U	0.00020	0.000070	mg/L		04/27/20 08:28	04/27/20 14:45	1

Lab Sample ID: LCS 400-486544/2-C
Matrix: Water
Analysis Batch: 487189

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 486650

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: 400-186956-F-50-F MS
Matrix: Water
Analysis Batch: 487189

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 486650

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.000070	U	0.00201	0.00198		mg/L		98	80 - 120

Lab Sample ID: 400-186956-F-50-G MSD
Matrix: Water
Analysis Batch: 487189

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 486650

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.000070	U	0.00201	0.00201		mg/L		100	80 - 120	2	20

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

Lab Sample ID: MB 400-486565/1
Matrix: Water
Analysis Batch: 486565

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			04/21/20 13:49	1

Lab Sample ID: LCS 400-486565/2
Matrix: Water
Analysis Batch: 486565

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	336		mg/L		115	78 - 122

Lab Sample ID: 400-186855-C-2 DU
Matrix: Water
Analysis Batch: 486565

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	310		324		mg/L		4	5

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

Lab Sample ID: MB 400-486569/1
Matrix: Water
Analysis Batch: 486569

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			04/21/20 14:11	1

Lab Sample ID: LCS 400-486569/2
Matrix: Water
Analysis Batch: 486569

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	324		mg/L		111	78 - 122

Lab Sample ID: 400-186906-A-1 DU
Matrix: Water
Analysis Batch: 486569

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	150		148		mg/L		3	5

Lab Sample ID: 400-186906-A-7 DU
Matrix: Water
Analysis Batch: 486569

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	170		90.0	J3	mg/L		63	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-486873/6
Matrix: Water
Analysis Batch: 486873

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			04/23/20 17:24	1

Lab Sample ID: LCS 400-486873/7
Matrix: Water
Analysis Batch: 486873

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	31.5		mg/L		105	90 - 110

Lab Sample ID: MRL 400-486873/3
Matrix: Water
Analysis Batch: 486873

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	2.05		mg/L		102	50 - 150

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

Lab Sample ID: 400-186843-G-1 MS
Matrix: Water
Analysis Batch: 486873

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	760		9.90	747	J3	mg/L		-143	73 - 120

Lab Sample ID: 400-186843-G-1 MSD
Matrix: Water
Analysis Batch: 486873

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	760		9.90	756	J3	mg/L		-50	73 - 120	1	8

Lab Sample ID: MB 400-487120/6
Matrix: Water
Analysis Batch: 487120

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			04/27/20 10:12	1

Lab Sample ID: LCS 400-487120/7
Matrix: Water
Analysis Batch: 487120

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	29.8		mg/L		99	90 - 110

Lab Sample ID: MRL 400-487120/3
Matrix: Water
Analysis Batch: 487120

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	2.10		mg/L		105	50 - 150

Lab Sample ID: 400-186893-1 MS
Matrix: Water
Analysis Batch: 487120

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	6.1		10.0	18.1		mg/L		119	73 - 120

Lab Sample ID: 400-186893-1 MSD
Matrix: Water
Analysis Batch: 487120

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	6.1		10.0	17.2		mg/L		111	73 - 120	5	8

Lab Sample ID: 400-186948-A-10 MS
Matrix: Water
Analysis Batch: 487120

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	15		10.0	24.5		mg/L		91	73 - 120

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: 400-186948-A-10 MSD
Matrix: Water
Analysis Batch: 487120

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	15		10.0	24.2		mg/L		88	73 - 120	1	8

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-486995/4
Matrix: Water
Analysis Batch: 486995

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.0500	I	0.10	0.032	mg/L			04/22/20 21:09	1

Lab Sample ID: LCS 400-486995/2
Matrix: Water
Analysis Batch: 486995

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Fluoride			4.00	3.66		mg/L		92	90 - 110		

Lab Sample ID: 400-186831-A-1 MS
Matrix: Water
Analysis Batch: 486995

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	0.080	I V	1.00	0.950		mg/L		87	75 - 125		

Lab Sample ID: 400-186831-A-1 MSD
Matrix: Water
Analysis Batch: 486995

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	0.080	I V	1.00	0.970		mg/L		89	75 - 125	2	4

Lab Sample ID: 400-186893-1 MS
Matrix: Water
Analysis Batch: 486995

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Fluoride	0.032	U	1.00	0.970		mg/L		97	75 - 125		

Lab Sample ID: 400-186893-1 MSD
Matrix: Water
Analysis Batch: 486995

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoride	0.032	U	1.00	0.970		mg/L		97	75 - 125	0	4

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-486794/6
Matrix: Water
Analysis Batch: 486794

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			04/22/20 17:28	1

Lab Sample ID: LCS 400-486794/4
Matrix: Water
Analysis Batch: 486794

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 400-486794/3
Matrix: Water
Analysis Batch: 486794

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	2.56	I	mg/L		51	50 - 150

Lab Sample ID: 400-186822-E-1 MS
Matrix: Water
Analysis Batch: 486794

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	11.7		mg/L		117	77 - 128

Lab Sample ID: 400-186822-E-1 MSD
Matrix: Water
Analysis Batch: 486794

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	11.1		mg/L		111	77 - 128	5	5

Lab Sample ID: 400-186831-A-3 MS
Matrix: Water
Analysis Batch: 486794

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	8.09		mg/L		81	77 - 128

Lab Sample ID: 400-186831-A-3 MSD
Matrix: Water
Analysis Batch: 486794

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	7.97		mg/L		80	77 - 128	2	5

Lab Sample ID: MB 400-486829/29
Matrix: Water
Analysis Batch: 486829

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			04/23/20 12:51	1

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: LCS 400-486829/24
Matrix: Water
Analysis Batch: 486829

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	14.5		mg/L		97	90 - 110

Lab Sample ID: LCS 400-486829/30
Matrix: Water
Analysis Batch: 486829

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	14.5		mg/L		97	90 - 110
Sulfate	15.0	14.5		mg/L		97	90 - 110

Lab Sample ID: MRL 400-486829/15
Matrix: Water
Analysis Batch: 486829

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	5.00	4.61	I	mg/L		92	50 - 150

Lab Sample ID: 400-186893-3 MS
Matrix: Water
Analysis Batch: 486829

Client Sample ID: MW-107
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	1.4	U	10.0	9.08		mg/L		91	77 - 128
Sulfate	1.4	U	10.0	9.08		mg/L		91	77 - 128

Lab Sample ID: 400-186893-3 MSD
Matrix: Water
Analysis Batch: 486829

Client Sample ID: MW-107
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	9.19		mg/L		92	77 - 128	1	5
Sulfate	1.4	U	10.0	9.19		mg/L		92	77 - 128	1	5

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Philip Evans	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-93949-23627.1
Client Contact: Mr. Mike Markey	Phone: 850-336-0192	E-Mail: cheyenne.whitmire@testamericainc.com		Page: Page 1 of 1
Company: Gulf Power Company				Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520				
Phone: 850-444-6573(Tel)	PO #: Purchase Order not required			
Email: richard.markey@nexteraenergy.com	WO #:			
Project Name: CCR Plant Crist Background A	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

400-186893 COC

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N	D	N	N		
MW-100	4/16/20	1135	G	Water			X	X		X	X	X		
MW-101		1640		Water										
MW-107		1030		Water										
MW-108		0850		Water										
MW-306		1540		Water										
MW-307		1345		Water										
DUP-01		1035		Water										
EB-01	4/16/20	1610	G	Water			X	X		X	X	X		

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

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

	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	4/17/20 0730	RDH		4/17/20 0730	RDH
Relinquished by:	4/17/20 0800	RDH	Kathy R Queen	4-17-20 800	ETA
Relinquished by:			Received by:		

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.4, 5.7°C IRS

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 400-186893-1
SDG Number: Background

Login Number: 186893
List Number: 1
Creator: Hinrichsen, Megan E

List Source: Eurofins TestAmerica, 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.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.4°C, 5.7°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: Gulf Power Company
Project/Site: CCR Plant Crist

Job ID: 400-186893-1
SDG: Background

Laboratory: Eurofins TestAmerica, 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	07-01-20
ANAB	ISO/IEC 17025	L2471	02-23-23
Arizona	State	AZ0710	01-13-21
Arkansas DEQ	State	88-0689	09-01-20
California	State	2510	06-30-20
Florida	NELAP	E81010	06-30-20
Georgia	State	E81010(FL)	06-30-20
Illinois	NELAP	004586	10-09-20
Iowa	State	367	08-01-20
Kansas	NELAP	E-10253	08-16-20
Kentucky (UST)	State	53	06-30-20
Kentucky (WW)	State	KY98030	12-31-20
Louisiana	NELAP	30976	06-30-20
Louisiana (DW)	State	LA017	12-31-20
Maryland	State	233	09-30-20
Massachusetts	State	M-FL094	06-30-20
Michigan	State	9912	05-06-20
Minnesota	NELAP	012-999-481	12-31-20
New Jersey	NELAP	FL006	06-30-20
New York	NELAP	12115	04-01-21
North Carolina (WW/SW)	State	314	12-31-20
Oklahoma	State	9810-186	08-31-20
Pennsylvania	NELAP	68-00467	01-31-21
Rhode Island	State	LAO00307	12-30-20
South Carolina	State	96026002	06-30-20
Tennessee	State	TN02907	06-30-20
Texas	NELAP	T104704286	09-30-20
US Fish & Wildlife	US Federal Programs	058448	07-31-20
USDA	US Federal Programs	P330-18-00148	05-17-21
Virginia	NELAP	460166	06-14-20
Washington	State	C915	05-15-20
West Virginia DEP	State	136	06-30-20

eurofins | Environment Testing America



ANALYTICAL REPORT

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

Laboratory Job ID: 400-186893-2
Laboratory Sample Delivery Group: Background
Client Project/Site: CCR Plant Crist

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

Attn: Mr. Mike Markey

Cheyenne R Whitmire

Authorized for release by:
5/27/2020 8:12:54 PM

Cheyenne Whitmire, Project Manager II
(850)471-6222
cheyenne.whitmire@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 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.

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Job ID: 400-186893-2

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-186893-2

RAD

Methods 9315: Radium-226 Prep Batch 160-468574. Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. MW-100 (400-186893-1), MW-101 (400-186893-2), MW-107 (400-186893-3), MW-108 (400-186893-4), MW-306 (400-186893-5), MW-307 (400-186893-6), DUP-01 (400-186893-7), EB-01 (400-186893-8), (LCS 160-468574/1-A), (LCSD 160-468574/2-A) and (MB 160-468574/20-A)

Methods 9320: Ra-228 Prep Batch 160-468579. Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. MW-100 (400-186893-1), MW-101 (400-186893-2), MW-107 (400-186893-3), MW-108 (400-186893-4), MW-306 (400-186893-5), MW-307 (400-186893-6), DUP-01 (400-186893-7), EB-01 (400-186893-8), (LCS 160-468579/1-A), (LCSD 160-468579/2-A) and (MB 160-468579/20-A)

Method PrecSep_0: Radium 228 Prep Batch 160-468579. Insufficient sample volume was available to perform a sample duplicate for the following samples: MW-100 (400-186893-1), MW-101 (400-186893-2), MW-107 (400-186893-3), MW-108 (400-186893-4), MW-306 (400-186893-5), MW-307 (400-186893-6), DUP-01 (400-186893-7) and EB-01 (400-186893-8). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep-21: Radium 226 Prep Batch 160-468574. Insufficient sample volume was available to perform a sample duplicate for the following samples: MW-100 (400-186893-1), MW-101 (400-186893-2), MW-107 (400-186893-3), MW-108 (400-186893-4), MW-306 (400-186893-5), MW-307 (400-186893-6), DUP-01 (400-186893-7) and EB-01 (400-186893-8). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method Summary

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

Job ID: 400-186893-2
SDG: Background

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

Protocol References:

None = None

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

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

Laboratory References:

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

Sample Summary

I ien-t Gu f iPwor nm-l op ayt S
wno/nkGBBeGa: l l s wiyt G- m-MG

Job ID: 400-186893-C
BDu : c ykgdmof t j

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-186893-1	W2 -100	2 yGm	04R16R00 11:35	04R17R00 08:00	
400-186893-C	W2 -101	2 yGm	04R16R00 16:40	04R17R00 08:00	
400-186893-3	W2 -107	2 yGm	04R16R00 10:30	04R17R00 08:00	
400-186893-4	W2 -108	2 yGm	04R16R00 08:50	04R17R00 08:00	
400-186893-5	W2 -306	2 yGm	04R16R00 15:40	04R17R00 08:00	
400-186893-6	W2 -307	2 yGm	04R16R00 13:45	04R17R00 08:00	
400-186893-7	DUw-01	2 yGm	04R16R00 10:35	04R17R00 08:00	
400-186893-8	Ec -01	2 yGm	04R16R00 16:10	04R17R00 08:00	

Ef moR MTnMAp nmky, wnt Mykoiy

Client Sample ID: MW-100
Date Collected: 04/16/20 11:35
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-1
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	0.336		0.104	0.108	1.00	0.0881	pCi/L	04/22/20 07:02	05/14/20 04:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.9*		*40 - 110*	*04/22/20 07:02*	*05/14/20 04:36*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.635		0.273	0.279	1.00	0.392	pCi/L	04/22/20 07:45	05/04/20 18:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.9*		*40 - 110*	*04/22/20 07:45*	*05/04/20 18:20*	*1*
Y Carrier	*92.3*		*40 - 110*	*04/22/20 07:45*	*05/04/20 18:20*	*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	0.971		0.292	0.299	5.00	0.392	pCi/L		05/14/20 08:55	1

Client Sample ID: MW-101
Date Collected: 04/16/20 16:40
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-2
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	**0.194**		0.0917	0.0933	1.00	0.108	pCi/L	04/22/20 07:02	05/14/20 04:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.3*		*40 - 110*	*04/22/20 07:02*	*05/14/20 04:36*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.303	U	0.233	0.235	1.00	0.368	pCi/L	04/22/20 07:45	05/04/20 18:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.3*		*40 - 110*	*04/22/20 07:45*	*05/04/20 18:20*	*1*
Y Carrier	*89.3*		*40 - 110*	*04/22/20 07:45*	*05/04/20 18:20*	*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	**0.497**		0.250	0.253	5.00	0.368	pCi/L		05/14/20 08:55	1

Client Sample ID: MW-107
Date Collected: 04/16/20 10:30
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-3
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	**0.286**		0.108	0.111	1.00	0.114	pCi/L	04/22/20 07:02	05/14/20 04:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.7*		*40 - 110*	*04/22/20 07:02*	*05/14/20 04:36*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.282	U	0.241	0.243	1.00	0.385	pCi/L	04/22/20 07:45	05/04/20 18:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.7*		*40 - 110*	*04/22/20 07:45*	*05/04/20 18:20*	*1*
Y Carrier	*89.0*		*40 - 110*	*04/22/20 07:45*	*05/04/20 18:20*	*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	**0.568**		0.264	0.267	5.00	0.385	pCi/L		05/14/20 08:55	1

Client Sample ID: MW-108

Date Collected: 04/16/20 08:50
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-4

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	0.277		0.105	0.108	1.00	0.107	pCi/L	04/22/20 07:02	05/14/20 04:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.8*		*40 - 110*	*04/22/20 07:02*	*05/14/20 04:36*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.07		0.342	0.356	1.00	0.452	pCi/L	04/22/20 07:45	05/04/20 18:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.8*		*40 - 110*	*04/22/20 07:45*	*05/04/20 18:20*	*1*
Y Carrier	*86.7*		*40 - 110*	*04/22/20 07:45*	*05/04/20 18:20*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.35		0.358	0.372	5.00	0.452	pCi/L		05/14/20 08:55	1

Client Sample ID: MW-306

Date Collected: 04/16/20 15:40
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-5

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	**0.298**		0.108	0.111	1.00	0.118	pCi/L	04/22/20 07:02	05/14/20 04:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.3*		*40 - 110*	*04/22/20 07:02*	*05/14/20 04:36*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.290	U	0.223	0.225	1.00	0.350	pCi/L	04/22/20 07:45	05/04/20 18:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.3*		*40 - 110*	*04/22/20 07:45*	*05/04/20 18:20*	*1*
Y Carrier	*90.1*		*40 - 110*	*04/22/20 07:45*	*05/04/20 18:20*	*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	**0.588**		0.248	0.251	5.00	0.350	pCi/L		05/14/20 08:55	1

Client Sample ID: MW-307
Date Collected: 04/16/20 13:45
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-6
Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.141		0.0883	0.0892	1.00	0.117	pCi/L	04/22/20 07:02	05/14/20 04:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.7*		*40 - 110*	*04/22/20 07:02*	*05/14/20 04:36*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.123	U	0.246	0.246	1.00	0.420	pCi/L	04/22/20 07:45	05/04/20 18:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.7*		*40 - 110*	*04/22/20 07:45*	*05/04/20 18:20*	*1*
Y Carrier	*91.2*		*40 - 110*	*04/22/20 07:45*	*05/04/20 18:20*	*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	0.264	U	0.261	0.262	5.00	0.420	pCi/L		05/14/20 08:55	1

Client Sample ID: DUP-01

Date Collected: 04/16/20 10:35
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-7

Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.278		0.105	0.108	1.00	0.111	pCi/L	04/22/20 07:02	05/14/20 04:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.4*		*40 - 110*	*04/22/20 07:02*	*05/14/20 04:36*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.631		0.277	0.283	1.00	0.400	pCi/L	04/22/20 07:45	05/04/20 18:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.4*		*40 - 110*	*04/22/20 07:45*	*05/04/20 18:20*	*1*
Y Carrier	*90.1*		*40 - 110*	*04/22/20 07:45*	*05/04/20 18:20*	*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	0.909		0.296	0.303	5.00	0.400	pCi/L		05/14/20 08:55	1

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

Job ID: 400-186893-2
SDG: Background

Client Sample ID: EB-01
Date Collected: 04/16/20 16:10
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-8
Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.00668	U	0.0584	0.0584	1.00	0.121	pCi/L	04/22/20 07:02	05/14/20 04:36	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.2*		*40 - 110*	*04/22/20 07:02*	*05/14/20 04:36*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.412**		0.262	0.264	1.00	0.399	pCi/L	04/22/20 07:45	05/04/20 18:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.2*		*40 - 110*	*04/22/20 07:45*	*05/04/20 18:23*	*1*
Y Carrier	*81.1*		*40 - 110*	*04/22/20 07:45*	*05/04/20 18:23*	*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	**0.405**		0.268	0.270	5.00	0.399	pCi/L		05/14/20 08:55	1

Qualifiers

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Lab Chronicle

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

Job ID: 400-186893-2
SDG: Background

Client Sample ID: MW-100
Date Collected: 04/16/20 11:35
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			468574	04/22/20 07:02	RBR	TAL SL
Total/NA	Analysis	9315		1	470394	05/14/20 04:36	KLS	TAL SL
Total/NA	Prep	PrecSep_0			468579	04/22/20 07:45	RBR	TAL SL
Total/NA	Analysis	9320		1	469502	05/04/20 18:20	AJD	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	470402	05/14/20 08:55	SMP	TAL SL

Client Sample ID: MW-101
Date Collected: 04/16/20 16:40
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			468574	04/22/20 07:02	RBR	TAL SL
Total/NA	Analysis	9315		1	470394	05/14/20 04:36	KLS	TAL SL
Total/NA	Prep	PrecSep_0			468579	04/22/20 07:45	RBR	TAL SL
Total/NA	Analysis	9320		1	469502	05/04/20 18:20	AJD	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	470402	05/14/20 08:55	SMP	TAL SL

Client Sample ID: MW-107
Date Collected: 04/16/20 10:30
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			468574	04/22/20 07:02	RBR	TAL SL
Total/NA	Analysis	9315		1	470394	05/14/20 04:36	KLS	TAL SL
Total/NA	Prep	PrecSep_0			468579	04/22/20 07:45	RBR	TAL SL
Total/NA	Analysis	9320		1	469502	05/04/20 18:20	AJD	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	470402	05/14/20 08:55	SMP	TAL SL

Client Sample ID: MW-108
Date Collected: 04/16/20 08:50
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			468574	04/22/20 07:02	RBR	TAL SL
Total/NA	Analysis	9315		1	470394	05/14/20 04:36	KLS	TAL SL
Total/NA	Prep	PrecSep_0			468579	04/22/20 07:45	RBR	TAL SL
Total/NA	Analysis	9320		1	469502	05/04/20 18:20	AJD	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	470402	05/14/20 08:55	SMP	TAL SL

Lab Chronicle

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

Job ID: 400-186893-2
SDG: Background

Client Sample ID: MW-306
Date Collected: 04/16/20 15:40
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			468574	04/22/20 07:02	RBR	TAL SL
Total/NA	Analysis	9315		1	470394	05/14/20 04:36	KLS	TAL SL
Total/NA	Prep	PrecSep_0			468579	04/22/20 07:45	RBR	TAL SL
Total/NA	Analysis	9320		1	469502	05/04/20 18:20	AJD	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	470402	05/14/20 08:55	SMP	TAL SL

Client Sample ID: MW-307
Date Collected: 04/16/20 13:45
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			468574	04/22/20 07:02	RBR	TAL SL
Total/NA	Analysis	9315		1	470394	05/14/20 04:36	KLS	TAL SL
Total/NA	Prep	PrecSep_0			468579	04/22/20 07:45	RBR	TAL SL
Total/NA	Analysis	9320		1	469502	05/04/20 18:20	AJD	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	470402	05/14/20 08:55	SMP	TAL SL

Client Sample ID: DUP-01
Date Collected: 04/16/20 10:35
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			468574	04/22/20 07:02	RBR	TAL SL
Total/NA	Analysis	9315		1	470394	05/14/20 04:36	KLS	TAL SL
Total/NA	Prep	PrecSep_0			468579	04/22/20 07:45	RBR	TAL SL
Total/NA	Analysis	9320		1	469502	05/04/20 18:20	AJD	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	470402	05/14/20 08:55	SMP	TAL SL

Client Sample ID: EB-01
Date Collected: 04/16/20 16:10
Date Received: 04/17/20 08:00

Lab Sample ID: 400-186893-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			468574	04/22/20 07:02	RBR	TAL SL
Total/NA	Analysis	9315		1	470394	05/14/20 04:36	KLS	TAL SL
Total/NA	Prep	PrecSep_0			468579	04/22/20 07:45	RBR	TAL SL
Total/NA	Analysis	9320		1	469473	05/04/20 18:23	CJQ	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	470402	05/14/20 08:55	SMP	TAL SL

Laboratory References:

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

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Prep Batch: 468574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186893-1	MW-100	Total/NA	Water	PrecSep-21	
400-186893-2	MW-101	Total/NA	Water	PrecSep-21	
400-186893-3	MW-107	Total/NA	Water	PrecSep-21	
400-186893-4	MW-108	Total/NA	Water	PrecSep-21	
400-186893-5	MW-306	Total/NA	Water	PrecSep-21	
400-186893-6	MW-307	Total/NA	Water	PrecSep-21	
400-186893-7	DUP-01	Total/NA	Water	PrecSep-21	
400-186893-8	EB-01	Total/NA	Water	PrecSep-21	
MB 160-468574/20-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-468574/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-468574/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 468579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186893-1	MW-100	Total/NA	Water	PrecSep_0	
400-186893-2	MW-101	Total/NA	Water	PrecSep_0	
400-186893-3	MW-107	Total/NA	Water	PrecSep_0	
400-186893-4	MW-108	Total/NA	Water	PrecSep_0	
400-186893-5	MW-306	Total/NA	Water	PrecSep_0	
400-186893-6	MW-307	Total/NA	Water	PrecSep_0	
400-186893-7	DUP-01	Total/NA	Water	PrecSep_0	
400-186893-8	EB-01	Total/NA	Water	PrecSep_0	
MB 160-468579/20-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-468579/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-468579/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-468574/20-A
Matrix: Water
Analysis Batch: 470394

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 468574

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.05071	U	0.0548	0.0550	1.00	0.0868	pCi/L	04/22/20 07:02	05/14/20 06:21	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.4*		*40 - 110*	*04/22/20 07:02*	*05/14/20 06:21*	*1*

Lab Sample ID: LCS 160-468574/1-A
Matrix: Water
Analysis Batch: 470394

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 468574

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-226			11.3	9.307		0.977	1.00	0.100	pCi/L	82	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*98.5*		*40 - 110*

Lab Sample ID: LCSD 160-468574/2-A
Matrix: Water
Analysis Batch: 470394

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 468574

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Radium-226			11.3	8.881		0.939	1.00	0.101	pCi/L	78	75 - 125	0.22	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*99.7*		*40 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-468579/20-A
Matrix: Water
Analysis Batch: 469473

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 468579

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.02053	U	0.224	0.224	1.00	0.406	pCi/L	04/22/20 07:45	05/04/20 18:25	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.4*		*40 - 110*	*04/22/20 07:45*	*05/04/20 18:25*	*1*
Y Carrier	*84.9*		*40 - 110*	*04/22/20 07:45*	*05/04/20 18:25*	*1*

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

Lab Sample ID: LCS 160-468579/1-A
Matrix: Water
Analysis Batch: 469502

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 468579

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-228			8.87	7.401		0.899	1.00	0.363	pCi/L	83	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*98.5*		*40 - 110*
Y Carrier	*89.3*		*40 - 110*

Lab Sample ID: LCSD 160-468579/2-A
Matrix: Water
Analysis Batch: 469502

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 468579

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Radium-228			8.87	7.705		0.941	1.00	0.383	pCi/L	87	75 - 125	0.17	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*99.7*		*40 - 110*
Y Carrier	*83.7*		*40 - 110*

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Philip Evans	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-93949-23627.1
Client Contact: Mr. Mike Markey	Phone: 850-336-0192	E-Mail: cheyenne.whitmire@testamericainc.com		Page: Page 1 of 1
Company: Gulf Power Company				Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520				
Phone: 850-444-6573(Tel)	PO #: Purchase Order not required			
Email: richard.markey@nexteraenergy.com	WO #:			
Project Name: CCR Plant Crist Background A	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

400-186893 COC

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N	D	N	N		
MW-100	4/16/20	1135	G	Water			X	X		X	X	X		
MW-101		1640		Water										
MW-107		1030		Water										
MW-108		0850		Water										
MW-306		1540		Water										
MW-307		1345		Water										
DUP-01		1035		Water										
EB-01	4/16/20	1610	G	Water			X	X		X	X	X		

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	4/17/20 0730	RPH		4/17/20 0730	RPH
Relinquished by:	4/17/20 0800	RPH	Kathy R Queen	4-17-20 800	ETA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.4, 5.7°C IRS

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 400-186893-2
SDG Number: Background

Login Number: 186893
List Number: 1
Creator: Hinrichsen, Megan E

List Source: Eurofins TestAmerica, 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.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.4°C, 5.7°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: Gulf Power Company

Job Number: 400-186893-2
SDG Number: Background

Login Number: 186893
List Number: 2
Creator: Mazariegos, Leonel A

List Source: Eurofins TestAmerica, St. Louis
List Creation: 04/21/20 12:30 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.	N/A	
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: Gulf Power Company
Project/Site: CCR Plant Crist

Job ID: 400-186893-2
SDG: Background

Laboratory: Eurofins TestAmerica, 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	07-01-20
ANAB	ISO/IEC 17025	L2471	02-23-23
Arizona	State	AZ0710	01-13-21
Arkansas DEQ	State	88-0689	09-01-20
California	State	2510	07-01-20
Florida	NELAP	E81010	06-30-20
Georgia	State	E81010(FL)	06-30-20
Illinois	NELAP	004586	10-09-20
Iowa	State	367	08-01-20
Kansas	NELAP	E-10253	08-16-20
Kentucky (UST)	State	53	06-30-20
Kentucky (WW)	State	KY98030	12-31-20
Louisiana	NELAP	30976	06-30-20
Louisiana (DW)	State	LA017	12-31-20
Maryland	State	233	09-30-20
Massachusetts	State	M-FL094	06-30-20
Michigan	State	9912	06-30-20
Minnesota	NELAP	012-999-481	12-31-20
New Jersey	NELAP	FL006	06-30-20
New York	NELAP	12115	04-01-21
North Carolina (WW/SW)	State	314	12-31-20
Oklahoma	State	9810-186	08-31-20
Pennsylvania	NELAP	68-00467	01-31-21
Rhode Island	State	LAO00307	12-30-20
South Carolina	State	96026002	06-30-20
Tennessee	State	TN02907	06-30-20
Texas	NELAP	T104704286	09-30-20
US Fish & Wildlife	US Federal Programs	058448	07-31-20
USDA	US Federal Programs	P330-18-00148	05-17-21
Virginia	NELAP	460166	06-14-20
Washington	State	C915	05-15-20
West Virginia DEP	State	136	06-30-20

Accreditation/Certification Summary

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

Job ID: 400-186893-2
SDG: Background

Laboratory: Eurofins TestAmerica, St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-22
ANAB	Dept. of Defense ELAP	L2305	05-14-20
ANAB	Dept. of Energy	L2305.01	05-14-20
ANAB	ISO/IEC 17025	L2305	04-06-22
Arizona	State	AZ0813	12-08-20
California	Los Angeles County Sanitation Districts	10259	06-30-20
California	State	2886	06-30-20
Connecticut	State	PH-0241	03-31-21
Florida	NELAP	E87689	06-30-20
HI - RadChem Recognition	State	n/a	06-30-20
Illinois	NELAP	004553	11-30-20
Iowa	State	373	09-17-20
Kansas	NELAP	E-10236	10-31-20
Kentucky (DW)	State	KY90125	12-31-20
Louisiana	NELAP	04080	06-30-20
Louisiana (DW)	State	LA011	12-31-20
Maryland	State	310	09-30-20
MI - RadChem Recognition	State	9005	06-30-20
Missouri	State	780	06-30-22
Nevada	State	MO000542020-1	07-31-20
New Jersey	NELAP	MO002	06-30-20
New York	NELAP	11616	04-01-21
North Dakota	State	R-207	06-30-20
NRC	NRC	24-24817-01	12-31-22
Oklahoma	State	9997	08-31-20
Pennsylvania	NELAP	68-00540	02-28-21
South Carolina	State	85002001	06-30-20
Texas	NELAP	T104704193-19-13	07-31-20
US Fish & Wildlife	US Federal Programs	058448	07-31-20
USDA	US Federal Programs	P330-17-00028	03-11-23
Utah	NELAP	MO000542019-11	07-31-20
Virginia	NELAP	10310	06-14-20
Washington	State	C592	08-30-20
West Virginia DEP	State	381	10-31-20

eurofins | Environment Testing America



ANALYTICAL REPORT

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

Laboratory Job ID: 400-186948-7
Laboratory Sample Delivery Group: Downgradient D
Client Project/Site: CCR Plant Crist
Revision: 1

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

Attn: Barry Evans

Cheyenne Whitmire

Authorized for release by:
7/9/2020 4:45:35 PM

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

LINKS

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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.

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Job ID: 400-186948-7

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-186948-7

Metals
Method 6020: The continuing calibration verification (CCV) associated with batch 400-486886 recovered above the upper control limit for Calcium. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: FB-03 (400-186948-25) and (MB 400-486531/1-A).

Method 6020: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-200 (400-186948-22), MW-206 (400-186948-24), (400-186948-B-19-A ^10), (400-186948-B-19-B MS ^10) and (400-186948-B-19-C MSD ^10). Elevated reporting limits (RLs) are provided.

General Chemistry
Method SM 2540C: The sample duplicate (DUP) precision for analytical batch 400-486847 was outside control limits. Sample non-homogeneity is suspected.

Method SM 4500 F C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-487045 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 F C: The method blank for analytical batch 400-487045 contained fluoride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method SM 4500 F C: The method blank for analytical batch 400-487053 contained fluoride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method SM 4500 Cl- E: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-200 (400-186948-22) and MW-206 (400-186948-24). 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-200 (400-186948-22) and MW-206 (400-186948-24). Elevated reporting limits (RLs) are provided.

Detection Summary

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

Job ID: 400-186948-7
SDG: Downgradient D

Client Sample ID: MW-200 — Lab Sample ID: 400-186948-22

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00044		0.00025	0.000078	mg/L	1		6020	Total Recoverable
Barium	0.025		0.00050	0.00014	mg/L	1		6020	Total Recoverable
Beryllium	0.000045	I	0.00050	0.000034	mg/L	1		6020	Total Recoverable
Boron	1.6		0.10	0.036	mg/L	10		6020	Total Recoverable
Cadmium	0.00091	V	0.00050	0.000056	mg/L	1		6020	Total Recoverable
Calcium	40		0.50	0.25	mg/L	10		6020	Total Recoverable
Cobalt	0.00048	I	0.00050	0.00011	mg/L	1		6020	Total Recoverable
Lead	0.00042		0.00025	0.000058	mg/L	1		6020	Total Recoverable
Selenium	0.0028		0.00025	0.00016	mg/L	1		6020	Total Recoverable
Thallium	0.000058	I	0.00010	0.000024	mg/L	1		6020	Total Recoverable
Mercury	0.00013	I	0.00020	0.000070	mg/L	1		7470A	Total/NA
Total Dissolved Solids	240		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	59		4.0	2.8	mg/L	2		SM 4500 Cl- E	Total/NA
Sulfate	64		25	7.0	mg/L	5		SM 4500 SO4 E	Total/NA
Field pH	5.20				SU	1		Field Sampling	Total/NA

Client Sample ID: EB-03 — Lab Sample ID: 400-186948-23

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00013	I	0.00025	0.000078	mg/L	1		6020	Total Recoverable
Barium	0.00025	I	0.00050	0.00014	mg/L	1		6020	Total Recoverable

Client Sample ID: MW-206 — Lab Sample ID: 400-186948-24

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00086		0.00025	0.000078	mg/L	1		6020	Total Recoverable
Barium	0.056		0.00050	0.00014	mg/L	1		6020	Total Recoverable
Beryllium	0.000041	I	0.00050	0.000034	mg/L	1		6020	Total Recoverable
Boron	17		1.0	0.36	mg/L	100		6020	Total Recoverable
Cadmium	0.00029	I V	0.00050	0.000056	mg/L	1		6020	Total Recoverable
Calcium	320		5.0	2.5	mg/L	100		6020	Total Recoverable
Cobalt	0.0016		0.00050	0.00011	mg/L	1		6020	Total Recoverable
Lead	0.00057		0.00025	0.000058	mg/L	1		6020	Total Recoverable
Selenium	0.0085		0.00025	0.00016	mg/L	1		6020	Total Recoverable
Thallium	0.00023		0.00010	0.000024	mg/L	1		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

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

Job ID: 400-186948-7
SDG: Downgradient D

Client Sample ID: MW-206 (Continued)

Lab Sample ID: 400-186948-24

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	1700		25	25	mg/L	1		SM 2540C	Total/NA
Chloride	660		40	28	mg/L	20		SM 4500 Cl- E	Total/NA
Sulfate	250		50	14	mg/L	10		SM 4500 SO4 E	Total/NA
Field pH	5.00				SU	1		Field Sampling	Total/NA

Client Sample ID: FB-03

Lab Sample ID: 400-186948-25

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.00017	I	0.00050	0.00014	mg/L	1		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Method Summary

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

Job ID: 400-186948-7
SDG: Downgradient D

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 TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

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

Job ID: 400-186948-7
SDG: Downgradient D

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-186948-22	MW-200	Water	04/18/20 13:15	04/20/20 09:48	
400-186948-23	EB-03	Water	04/18/20 12:50	04/20/20 09:48	
400-186948-24	MW-206	Water	04/18/20 13:25	04/20/20 09:48	
400-186948-25	FB-03	Water	04/18/20 12:05	04/20/20 09:48	

Client Sample Results

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

Job ID: 400-186948-7
SDG: Downgradient D

Client Sample ID: MW-300

Date Collected: 04/18/30 12:15
Date Received: 04/30/30 09:48

Lab Sample ID: 400-186948-33

Matrix: Water

Met7od: 6030 - Metals HC(/MSP-) otal Recoverable

QnalAte	Result	TualiUer	(TL	MDL	z nit	D	(repared	QnalAFed	Dil yac
Antimony	0.00030	U	0.00050	0.00030	mg/L		04/21/20 11:29	04/23/20 19:52	1
Qrsenic	0f00044		0.00025	0.000078	mg/L		04/21/20 11:29	04/23/20 19:52	1
Barium	0f035		0.00050	0.00014	mg/L		04/21/20 11:29	04/23/20 19:52	1
BerAllium	0f000045	I	0.00050	0.000034	mg/L		04/21/20 11:29	04/23/20 19:52	1
Boron	1f6		0.10	0.036	mg/L		04/21/20 11:29	04/24/20 14:31	10
Cadmium	0f00091	.	0.00050	0.000056	mg/L		04/21/20 11:29	04/23/20 19:52	1
Calcium	40		0.50	0.25	mg/L		04/21/20 11:29	04/24/20 14:31	10
Chromium	0.00020	U	0.00050	0.00020	mg/L		04/21/20 11:29	04/23/20 19:52	1
Cobalt	0f00048	I	0.00050	0.00011	mg/L		04/21/20 11:29	04/23/20 19:52	1
Lead	0f00043		0.00025	0.000058	mg/L		04/21/20 11:29	04/23/20 19:52	1
Lithium	0.00038	U	0.0010	0.00038	mg/L		04/21/20 11:29	04/23/20 19:52	1
Molybdenum	0.00090	U	0.0030	0.00090	mg/L		04/21/20 11:29	04/23/20 19:52	1
Selenium	0f0038		0.00025	0.00016	mg/L		04/21/20 11:29	04/23/20 19:52	1
) 7allium	0f000058	I	0.00010	0.000024	mg/L		04/21/20 11:29	04/23/20 19:52	1

Met7od: V4V0Q - MercurA HC. QQP

QnalAte	Result	TualiUer	(TL	MDL	z nit	D	(repared	QnalAFed	Dil yac
MercurA	0f00012	I	0.00020	0.000070	mg/L		04/30/20 08:24	04/30/20 12:32	1

General C7emistrA

QnalAte	Result	TualiUer	(TL	MDL	z nit	D	(repared	QnalAFed	Dil yac
) otal Dissolved Solids	340		5.0	5.0	mg/L			04/23/20 15:00	1
C7loride	59		4.0	2.8	mg/L			04/27/20 12:31	2
Fluoride	0.032	U	0.10	0.032	mg/L			04/25/20 16:54	1
SulUate	64		25	7.0	mg/L			04/23/20 14:18	5

Met7od: yield Sampling - yield Sampling

QnalAte	Result	TualiUer	(TL	MDL	z nit	D	(repared	QnalAFed	Dil yac
yield pH	5f30				SU			04/18/20 13:15	1

Client Sample Results

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

Job ID: 400-186948-7
SDG: Downgradient D

Client Sample ID: EB-02
Date Collected: 04/18/30 13:50
Date Received: 04/30/30 09:48

Lab Sample ID: 400-186948-32
Matrix: Water

Met7od: 6030 - Metals HC(/MSP-) otal Recoverable

QnalAte	Result	TualiUer	(TL	MDL	z nit	D	(repared	QnalAFed	Dil yac
Antimony	0.00030	U	0.00050	0.00030	mg/L		04/21/20 11:29	04/23/20 19:55	1
Qrsenic	0f00012	I	0.00025	0.000078	mg/L		04/21/20 11:29	04/23/20 19:55	1
Barium	0f00035	I	0.00050	0.00014	mg/L		04/21/20 11:29	04/23/20 19:55	1
Beryllium	0.000034	U	0.00050	0.000034	mg/L		04/21/20 11:29	04/23/20 19:55	1
Boron	0.0036	U	0.010	0.0036	mg/L		04/21/20 11:29	04/24/20 14:34	1
Cadmium	0.000056	U	0.00050	0.000056	mg/L		04/21/20 11:29	04/23/20 19:55	1
Calcium	0.025	U	0.050	0.025	mg/L		04/21/20 11:29	04/24/20 14:34	1
Chromium	0.00020	U	0.00050	0.00020	mg/L		04/21/20 11:29	04/23/20 19:55	1
Cobalt	0.00011	U	0.00050	0.00011	mg/L		04/21/20 11:29	04/23/20 19:55	1
Lead	0.000058	U	0.00025	0.000058	mg/L		04/21/20 11:29	04/23/20 19:55	1
Lithium	0.00038	U	0.0010	0.00038	mg/L		04/21/20 11:29	04/23/20 19:55	1
Molybdenum	0.00090	U	0.0030	0.00090	mg/L		04/21/20 11:29	04/23/20 19:55	1
Selenium	0.00016	U	0.00025	0.00016	mg/L		04/21/20 11:29	04/23/20 19:55	1
Thallium	0.000024	U	0.00010	0.000024	mg/L		04/21/20 11:29	04/23/20 19:55	1

Met7od: V4V0Q - MercurA HC. QQP

QnalAte	Result	TualiUer	(TL	MDL	z nit	D	(repared	QnalAFed	Dil yac
Mercury	0.000070	U	0.00020	0.000070	mg/L		04/30/20 08:24	04/30/20 12:34	1

General C7emistrA

QnalAte	Result	TualiUer	(TL	MDL	z nit	D	(repared	QnalAFed	Dil yac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			04/23/20 15:00	1
Chloride	1.4	U	2.0	1.4	mg/L			04/27/20 11:47	1
Fluoride	0.032	U	0.10	0.032	mg/L			04/25/20 19:01	1
Sulfate	1.4	U	5.0	1.4	mg/L			04/23/20 13:40	1

Client Sample Results

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

Job ID: 400-186948-7
SDG: Downgradient D

Client Sample ID: MW-306

Date Collected: 04/18/30 12:35
Date Received: 04/30/30 09:48

Lab Sample ID: 400-186948-34

Matrix: Water

Met7od: 6030 - Metals HC(/MSP-) otal Recoverable

QnalAte	Result	TualiUer	(TL	MDL	z nit	D	(repared	QnalAFed	Dil yac
Antimony	0.00030	U	0.00050	0.00030	mg/L		04/21/20 11:29	04/23/20 19:58	1
Qrsenic	0f00086		0.00025	0.000078	mg/L		04/21/20 11:29	04/23/20 19:58	1
Barium	0f056		0.00050	0.00014	mg/L		04/21/20 11:29	04/23/20 19:58	1
BerAllium	0f000041	I	0.00050	0.000034	mg/L		04/21/20 11:29	04/23/20 19:58	1
Boron	1V		1.0	0.36	mg/L		04/21/20 11:29	04/24/20 14:38	100
Cadmium	0f00039	I .	0.00050	0.000056	mg/L		04/21/20 11:29	04/23/20 19:58	1
Calcium	230		5.0	2.5	mg/L		04/21/20 11:29	04/24/20 14:38	100
Chromium	0.00020	U	0.00050	0.00020	mg/L		04/21/20 11:29	04/23/20 19:58	1
Cobalt	0f0016		0.00050	0.00011	mg/L		04/21/20 11:29	04/23/20 19:58	1
Lead	0f0005V		0.00025	0.000058	mg/L		04/21/20 11:29	04/23/20 19:58	1
Lithium	0.00038	U	0.0010	0.00038	mg/L		04/21/20 11:29	04/23/20 19:58	1
Molybdenum	0.00090	U	0.0030	0.00090	mg/L		04/21/20 11:29	04/23/20 19:58	1
Selenium	0f0085		0.00025	0.00016	mg/L		04/21/20 11:29	04/23/20 19:58	1
) 7allium	0f00032		0.00010	0.000024	mg/L		04/21/20 11:29	04/23/20 19:58	1

Met7od: V4V0Q - MercurA HC. QQP

QnalAte	Result	TualiUer	(TL	MDL	z nit	D	(repared	QnalAFed	Dil yac
Mercury	0.000070	U	0.00020	0.000070	mg/L		04/30/20 08:24	04/30/20 12:36	1

General C7emistrA

QnalAte	Result	TualiUer	(TL	MDL	z nit	D	(repared	QnalAFed	Dil yac
) otal Dissolved Solids	1V00		25	25	mg/L			04/23/20 15:00	1
C7loride	660		40	28	mg/L			04/27/20 12:31	20
Fluoride	0.032	U	0.10	0.032	mg/L			04/25/20 19:05	1
SulUate	350		50	14	mg/L			04/23/20 14:22	10

Met7od: yield Sampling - yield Sampling

QnalAte	Result	TualiUer	(TL	MDL	z nit	D	(repared	QnalAFed	Dil yac
yield pH	5f00				SU			04/18/20 13:25	1

Client Sample Results

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

Job ID: 400-186948-7
SDG: Downgradient D

Client Sample ID: yB-02

Date Collected: 04/18/30 13:05
Date Received: 04/30/30 09:48

Lab Sample ID: 400-186948-35

Matrix: Water

Met7od: 6030 - Metals HC(/MSP-) otal Recoverable

QnalAte	Result	TualiUer	(TL	MDL	z nit	D	(repared	QnalAFed	Dil yac
Antimony	0.00030	U	0.00050	0.00030	mg/L		04/21/20 11:29	04/23/20 20:01	1
Arsenic	0.000078	U	0.00025	0.000078	mg/L		04/21/20 11:29	04/23/20 20:01	1
Barium	**0f0001V**	**I**	0.00050	0.00014	mg/L		04/21/20 11:29	04/23/20 20:01	1
Beryllium	0.000034	U	0.00050	0.000034	mg/L		04/21/20 11:29	04/23/20 20:01	1
Boron	0.0036	U	0.010	0.0036	mg/L		04/21/20 11:29	04/24/20 14:41	1
Cadmium	0.000056	U	0.00050	0.000056	mg/L		04/21/20 11:29	04/23/20 20:01	1
Calcium	0.025	U	0.050	0.025	mg/L		04/21/20 11:29	04/23/20 20:01	1
Chromium	0.00020	U	0.00050	0.00020	mg/L		04/21/20 11:29	04/23/20 20:01	1
Cobalt	0.00011	U	0.00050	0.00011	mg/L		04/21/20 11:29	04/23/20 20:01	1
Lead	0.000058	U	0.00025	0.000058	mg/L		04/21/20 11:29	04/23/20 20:01	1
Lithium	0.00038	U	0.0010	0.00038	mg/L		04/21/20 11:29	04/23/20 20:01	1
Molybdenum	0.00090	U	0.0030	0.00090	mg/L		04/21/20 11:29	04/23/20 20:01	1
Selenium	0.00016	U	0.00025	0.00016	mg/L		04/21/20 11:29	04/23/20 20:01	1
Thallium	0.000024	U	0.00010	0.000024	mg/L		04/21/20 11:29	04/23/20 20:01	1

Met7od: V4V0Q - MercurA HC. QQP

QnalAte	Result	TualiUer	(TL	MDL	z nit	D	(repared	QnalAFed	Dil yac
Mercury	0.000070	U	0.00020	0.000070	mg/L		04/30/20 08:24	04/30/20 12:38	1

General C7emistrA

QnalAte	Result	TualiUer	(TL	MDL	z nit	D	(repared	QnalAFed	Dil yac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			04/23/20 15:00	1
Chloride	1.4	U	2.0	1.4	mg/L			04/27/20 11:47	1
Fluoride	0.032	U	0.10	0.032	mg/L			04/25/20 19:08	1
Sulfate	1.4	U	5.0	1.4	mg/L			04/23/20 13:40	1

Qualifiers

Metals

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

General Chemistry

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

Glossary

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

Client Sample ID: MW-200

Date Collected: 04/18/20 13:15
Date Received: 04/20/20 09:48

Lab Sample ID: 400-186948-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			486531	04/21/20 11:29	NET	TAL PEN
Total Recoverable	Analysis	6020		1	486886	04/23/20 19:52	AW	TAL PEN
Total Recoverable	Prep	3005A			486531	04/21/20 11:29	NET	TAL PEN
Total Recoverable	Analysis	6020		10	487247	04/24/20 14:31	AW	TAL PEN
Total/NA	Prep	7470A			487403	04/30/20 08:24	JAP	TAL PEN
Total/NA	Analysis	7470A		1	487603	04/30/20 12:32	JAP	TAL PEN
Total/NA	Analysis	SM 2540C		1	486847	04/23/20 15:00	CLB	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		2	487142	04/27/20 12:31	HES	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	487045	04/25/20 16:54	MAF	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		5	486843	04/23/20 14:18	HES	TAL PEN
Total/NA	Analysis	Field Sampling		1	488336	04/18/20 13:15	MCS	TAL PEN

Client Sample ID: EB-03

Date Collected: 04/18/20 12:50
Date Received: 04/20/20 09:48

Lab Sample ID: 400-186948-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			486531	04/21/20 11:29	NET	TAL PEN
Total Recoverable	Analysis	6020		1	486886	04/23/20 19:55	AW	TAL PEN
Total Recoverable	Prep	3005A			486531	04/21/20 11:29	NET	TAL PEN
Total Recoverable	Analysis	6020		1	487247	04/24/20 14:34	AW	TAL PEN
Total/NA	Prep	7470A			487403	04/30/20 08:24	JAP	TAL PEN
Total/NA	Analysis	7470A		1	487603	04/30/20 12:34	JAP	TAL PEN
Total/NA	Analysis	SM 2540C		1	486847	04/23/20 15:00	CLB	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	487142	04/27/20 11:47	HES	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	487053	04/25/20 19:01	MAF	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		1	486843	04/23/20 13:40	HES	TAL PEN

Client Sample ID: MW-206

Date Collected: 04/18/20 13:25
Date Received: 04/20/20 09:48

Lab Sample ID: 400-186948-24

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			486531	04/21/20 11:29	NET	TAL PEN
Total Recoverable	Analysis	6020		1	486886	04/23/20 19:58	AW	TAL PEN
Total Recoverable	Prep	3005A			486531	04/21/20 11:29	NET	TAL PEN
Total Recoverable	Analysis	6020		100	487247	04/24/20 14:38	AW	TAL PEN
Total/NA	Prep	7470A			487403	04/30/20 08:24	JAP	TAL PEN
Total/NA	Analysis	7470A		1	487603	04/30/20 12:36	JAP	TAL PEN
Total/NA	Analysis	SM 2540C		1	486847	04/23/20 15:00	CLB	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		20	487142	04/27/20 12:31	HES	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	487053	04/25/20 19:05	MAF	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		10	486843	04/23/20 14:22	HES	TAL PEN

Lab Chronicle

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

Job ID: 400-186948-7
SDG: Downgradient D

Client Sample ID: MW-206

Date Collected: 04/18/20 13:25
Date Received: 04/20/20 09:48

Lab Sample ID: 400-186948-24

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Field Sampling		1	488336	04/18/20 13:25	MCS	TAL PEN

Client Sample ID: FB-03

Date Collected: 04/18/20 12:05
Date Received: 04/20/20 09:48

Lab Sample ID: 400-186948-25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			486531	04/21/20 11:29	NET	TAL PEN
Total Recoverable	Analysis	6020		1	486886	04/23/20 20:01	AW	TAL PEN
Total Recoverable	Prep	3005A			486531	04/21/20 11:29	NET	TAL PEN
Total Recoverable	Analysis	6020		1	487247	04/24/20 14:41	AW	TAL PEN
Total/NA	Prep	7470A			487403	04/30/20 08:24	JAP	TAL PEN
Total/NA	Analysis	7470A		1	487603	04/30/20 12:38	JAP	TAL PEN
Total/NA	Analysis	SM 2540C		1	486847	04/23/20 15:00	CLB	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	487142	04/27/20 11:47	HES	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	487053	04/25/20 19:08	MAF	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		1	486843	04/23/20 13:40	HES	TAL PEN

Laboratory References:

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

Metals

Prep Batch: 486531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186948-22	MW-200	Total Recoverable	Water	3005A	
400-186948-23	EB-03	Total Recoverable	Water	3005A	
400-186948-24	MW-206	Total Recoverable	Water	3005A	
400-186948-25	FB-03	Total Recoverable	Water	3005A	
MB 400-486531/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 400-486531/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
400-186948-B-19-B MS	Matrix Spike	Total Recoverable	Water	3005A	
400-186948-B-19-B MS ^10	Matrix Spike	Total Recoverable	Water	3005A	
400-186948-B-19-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	
400-186948-B-19-C MSD ^1(	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 486886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186948-22	MW-200	Total Recoverable	Water	6020	486531
400-186948-23	EB-03	Total Recoverable	Water	6020	486531
400-186948-24	MW-206	Total Recoverable	Water	6020	486531
400-186948-25	FB-03	Total Recoverable	Water	6020	486531
MB 400-486531/1-A	Method Blank	Total Recoverable	Water	6020	486531
LCS 400-486531/2-A	Lab Control Sample	Total Recoverable	Water	6020	486531
400-186948-B-19-B MS	Matrix Spike	Total Recoverable	Water	6020	486531
400-186948-B-19-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020	486531

Analysis Batch: 487247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186948-22	MW-200	Total Recoverable	Water	6020	486531
400-186948-23	EB-03	Total Recoverable	Water	6020	486531
400-186948-24	MW-206	Total Recoverable	Water	6020	486531
400-186948-25	FB-03	Total Recoverable	Water	6020	486531
MB 400-486531/1-A	Method Blank	Total Recoverable	Water	6020	486531
LCS 400-486531/2-A	Lab Control Sample	Total Recoverable	Water	6020	486531
400-186948-B-19-B MS ^10	Matrix Spike	Total Recoverable	Water	6020	486531
400-186948-B-19-C MSD ^1(	Matrix Spike Duplicate	Total Recoverable	Water	6020	486531

Prep Batch: 487403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186948-22	MW-200	Total/NA	Water	7470A	
400-186948-23	EB-03	Total/NA	Water	7470A	
400-186948-24	MW-206	Total/NA	Water	7470A	
400-186948-25	FB-03	Total/NA	Water	7470A	
MB 400-487403/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-487403/15-A	Lab Control Sample	Total/NA	Water	7470A	
400-186948-B-16-E MS	Matrix Spike	Total/NA	Water	7470A	
400-186948-B-16-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 487603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186948-22	MW-200	Total/NA	Water	7470A	487403
400-186948-23	EB-03	Total/NA	Water	7470A	487403
400-186948-24	MW-206	Total/NA	Water	7470A	487403
400-186948-25	FB-03	Total/NA	Water	7470A	487403
MB 400-487403/14-A	Method Blank	Total/NA	Water	7470A	487403

Metals (Continued)

Analysis Batch: 487603 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-487403/15-A	Lab Control Sample	Total/NA	Water	7470A	487403
400-186948-B-16-E MS	Matrix Spike	Total/NA	Water	7470A	487403
400-186948-B-16-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	487403

General Chemistry

Analysis Batch: 486843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186948-22	MW-200	Total/NA	Water	SM 4500 SO4 E	
400-186948-23	EB-03	Total/NA	Water	SM 4500 SO4 E	
400-186948-24	MW-206	Total/NA	Water	SM 4500 SO4 E	
400-186948-25	FB-03	Total/NA	Water	SM 4500 SO4 E	
MB 400-486843/6	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-486843/7	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-486843/3	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-186948-25 MS	FB-03	Total/NA	Water	SM 4500 SO4 E	
400-186948-25 MSD	FB-03	Total/NA	Water	SM 4500 SO4 E	
400-186948-A-15 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
400-186948-A-15 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 486847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186948-22	MW-200	Total/NA	Water	SM 2540C	
400-186948-23	EB-03	Total/NA	Water	SM 2540C	
400-186948-24	MW-206	Total/NA	Water	SM 2540C	
400-186948-25	FB-03	Total/NA	Water	SM 2540C	
MB 400-486847/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-486847/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-186948-A-4 DU	Duplicate	Total/NA	Water	SM 2540C	
400-186948-A-12 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 487045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186948-22	MW-200	Total/NA	Water	SM 4500 F C	
MB 400-487045/4	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-487045/6	Lab Control Sample	Total/NA	Water	SM 4500 F C	
400-186948-A-3 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
400-186948-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	
400-186948-A-13 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
400-186948-A-13 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	

Analysis Batch: 487053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186948-23	EB-03	Total/NA	Water	SM 4500 F C	
400-186948-24	MW-206	Total/NA	Water	SM 4500 F C	
400-186948-25	FB-03	Total/NA	Water	SM 4500 F C	
MB 400-487053/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-487053/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
400-187254-B-1 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
400-187254-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	
400-187257-B-1 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	

General Chemistry (Continued)

Analysis Batch: 487053 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-187257-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	

Analysis Batch: 487142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186948-22	MW-200	Total/NA	Water	SM 4500 Cl- E	
400-186948-23	EB-03	Total/NA	Water	SM 4500 Cl- E	
400-186948-24	MW-206	Total/NA	Water	SM 4500 Cl- E	
400-186948-25	FB-03	Total/NA	Water	SM 4500 Cl- E	
MB 400-487142/6	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-487142/7	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-487142/3	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-186948-A-20 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- E	
400-186948-A-20 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- E	

Field Service / Mobile Lab

Analysis Batch: 488336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186948-22	MW-200	Total/NA	Water	Field Sampling	
400-186948-24	MW-206	Total/NA	Water	Field Sampling	

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 400-486531/1-A
Matrix: Water
Analysis Batch: 486886

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 486531

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00030	U	0.00050	0.00030	mg/L		04/21/20 11:29	04/23/20 19:15	1
Arsenic	0.000078	U	0.00025	0.000078	mg/L		04/21/20 11:29	04/23/20 19:15	1
Barium	0.00014	U	0.00050	0.00014	mg/L		04/21/20 11:29	04/23/20 19:15	1
Beryllium	0.000034	U	0.00050	0.000034	mg/L		04/21/20 11:29	04/23/20 19:15	1
Cadmium	0.000115	I	0.00050	0.000056	mg/L		04/21/20 11:29	04/23/20 19:15	1
Calcium	0.025	U	0.050	0.025	mg/L		04/21/20 11:29	04/23/20 19:15	1
Chromium	0.00020	U	0.00050	0.00020	mg/L		04/21/20 11:29	04/23/20 19:15	1
Cobalt	0.00011	U	0.00050	0.00011	mg/L		04/21/20 11:29	04/23/20 19:15	1
Lead	0.000058	U	0.00025	0.000058	mg/L		04/21/20 11:29	04/23/20 19:15	1
Lithium	0.00038	U	0.0010	0.00038	mg/L		04/21/20 11:29	04/23/20 19:15	1
Molybdenum	0.00090	U	0.0030	0.00090	mg/L		04/21/20 11:29	04/23/20 19:15	1
Selenium	0.00016	U	0.00025	0.00016	mg/L		04/21/20 11:29	04/23/20 19:15	1
Thallium	0.000024	U	0.00010	0.000024	mg/L		04/21/20 11:29	04/23/20 19:15	1

Lab Sample ID: MB 400-486531/1-A
Matrix: Water
Analysis Batch: 487247

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 486531

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.0036	U	0.010	0.0036	mg/L		04/21/20 11:29	04/24/20 12:49	1
Calcium	0.025	U	0.050	0.025	mg/L		04/21/20 11:29	04/24/20 12:49	1

Lab Sample ID: LCS 400-486531/2-A
Matrix: Water
Analysis Batch: 486886

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 486531

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.0500	0.0513		mg/L		103	80 - 120
Arsenic	0.0500	0.0490		mg/L		98	80 - 120
Barium	0.0500	0.0512		mg/L		102	80 - 120
Beryllium	0.0500	0.0468		mg/L		94	80 - 120
Cadmium	0.0500	0.0498		mg/L		100	80 - 120
Chromium	0.0500	0.0499		mg/L		100	80 - 120
Cobalt	0.0500	0.0495		mg/L		99	80 - 120
Lead	0.0500	0.0500		mg/L		100	80 - 120
Lithium	0.0500	0.0459		mg/L		92	80 - 120
Molybdenum	0.0500	0.0503		mg/L		101	80 - 120
Selenium	0.0500	0.0478		mg/L		96	80 - 120
Thallium	0.0100	0.00919		mg/L		92	80 - 120

Lab Sample ID: LCS 400-486531/2-A
Matrix: Water
Analysis Batch: 487247

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 486531

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	0.100	0.0852		mg/L		85	80 - 120
Calcium	5.00	4.90		mg/L		98	80 - 120

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

Lab Sample ID: 400-186948-B-19-B MS
Matrix: Water
Analysis Batch: 486886

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 486531

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.00030	U	0.0500	0.0516		mg/L		103	75 - 125
Arsenic	0.00046		0.0500	0.0492		mg/L		97	75 - 125
Barium	0.016		0.0500	0.0661		mg/L		101	75 - 125
Beryllium	0.000034	U	0.0500	0.0473		mg/L		95	75 - 125
Cadmium	0.000089	I V	0.0500	0.0504		mg/L		101	75 - 125
Chromium	0.00082		0.0500	0.0494		mg/L		97	75 - 125
Cobalt	0.00011	U	0.0500	0.0490		mg/L		98	75 - 125
Lead	0.000058	U	0.0500	0.0534		mg/L		107	75 - 125
Lithium	0.00038	U	0.0500	0.0468		mg/L		94	75 - 125
Molybdenum	0.00090	U	0.0500	0.0510		mg/L		102	75 - 125
Selenium	0.0021		0.0500	0.0515		mg/L		99	75 - 125
Thallium	0.00016		0.0100	0.00931		mg/L		92	75 - 125

Lab Sample ID: 400-186948-B-19-B MS ^10
Matrix: Water
Analysis Batch: 487247

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 486531

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.0030	U	0.0500	0.0519		mg/L		104	75 - 125
Arsenic	0.00078	U	0.0500	0.0464		mg/L		93	75 - 125
Barium	0.017		0.0500	0.0638		mg/L		94	75 - 125
Beryllium	0.00034	U	0.0500	0.0496		mg/L		99	75 - 125
Boron	3.0		0.100	3.22	J3	mg/L		176	75 - 125
Cadmium	0.00056	U	0.0500	0.0520		mg/L		104	75 - 125
Calcium	48		5.00	52.5		mg/L		93	75 - 125
Chromium	0.0020	U	0.0500	0.0497		mg/L		99	75 - 125
Cobalt	0.0011	U	0.0500	0.0497		mg/L		99	75 - 125
Lead	0.00058	U	0.0500	0.0510		mg/L		102	75 - 125
Lithium	0.0038	U	0.0500	0.0470		mg/L		94	75 - 125
Molybdenum	0.0090	U	0.0500	0.0512		mg/L		102	75 - 125
Selenium	0.0026		0.0500	0.0476		mg/L		90	75 - 125
Thallium	0.00025	I	0.0100	0.0102		mg/L		100	75 - 125

Lab Sample ID: 400-186948-B-19-C MSD
Matrix: Water
Analysis Batch: 486886

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 486531

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	0.00030	U	0.0500	0.0527		mg/L		105	75 - 125	2	20
Arsenic	0.00046		0.0500	0.0519		mg/L		103	75 - 125	5	20
Barium	0.016		0.0500	0.0681		mg/L		105	75 - 125	3	20
Beryllium	0.000034	U	0.0500	0.0492		mg/L		98	75 - 125	4	20
Cadmium	0.000089	I V	0.0500	0.0510		mg/L		102	75 - 125	1	20
Chromium	0.00082		0.0500	0.0503		mg/L		99	75 - 125	2	20
Cobalt	0.00011	U	0.0500	0.0502		mg/L		100	75 - 125	2	20
Lead	0.000058	U	0.0500	0.0510		mg/L		102	75 - 125	4	20
Lithium	0.00038	U	0.0500	0.0465		mg/L		93	75 - 125	1	20
Molybdenum	0.00090	U	0.0500	0.0506		mg/L		101	75 - 125	1	20
Selenium	0.0021		0.0500	0.0516		mg/L		99	75 - 125	0	20

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

Lab Sample ID: 400-186948-B-19-C MSD
Matrix: Water
Analysis Batch: 486886

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 486531

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Thallium	0.00016		0.0100	0.00944		mg/L		93	75 - 125	1	20

Lab Sample ID: 400-186948-B-19-C MSD ^10
Matrix: Water
Analysis Batch: 487247

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 486531

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Boron	3.0		0.100	3.18	J3	mg/L		134	75 - 125	1	20
Calcium	48		5.00	53.6		mg/L		115	75 - 125	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 400-487403/14-A
Matrix: Water
Analysis Batch: 487603

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 487403

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000070	U	0.00020	0.000070	mg/L		04/30/20 08:24	04/30/20 12:08	1

Lab Sample ID: LCS 400-487403/15-A
Matrix: Water
Analysis Batch: 487603

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 487403

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00101	0.00101		mg/L		100	80 - 120

Lab Sample ID: 400-186948-B-16-E MS
Matrix: Water
Analysis Batch: 487603

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 487403

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.000070	U	0.00201	0.00182		mg/L		91	80 - 120

Lab Sample ID: 400-186948-B-16-F MSD
Matrix: Water
Analysis Batch: 487603

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 487403

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.000070	U	0.00201	0.00186		mg/L		92	80 - 120	2	20

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

Lab Sample ID: MB 400-486847/1
Matrix: Water
Analysis Batch: 486847

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			04/23/20 15:00	1

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

Lab Sample ID: LCS 400-486847/2
Matrix: Water
Analysis Batch: 486847

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			293	274		mg/L		94	78 - 122		

Lab Sample ID: 400-186948-A-4 DU
Matrix: Water
Analysis Batch: 486847

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	180			268	J3	mg/L				41	5

Lab Sample ID: 400-186948-A-12 DU
Matrix: Water
Analysis Batch: 486847

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	310			308		mg/L				0	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-487142/6
Matrix: Water
Analysis Batch: 487142

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			04/27/20 11:44	1

Lab Sample ID: LCS 400-487142/7
Matrix: Water
Analysis Batch: 487142

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	30.2		mg/L		101	90 - 110		

Lab Sample ID: MRL 400-487142/3
Matrix: Water
Analysis Batch: 487142

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	2.20		mg/L		110	50 - 150		

Lab Sample ID: 400-186948-A-20 MS
Matrix: Water
Analysis Batch: 487142

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	8.1		10.0	18.6		mg/L		105	73 - 120		

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

Lab Sample ID: 400-186948-A-20 MSD
Matrix: Water
Analysis Batch: 487142

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	8.1		10.0	18.8		mg/L		108	73 - 120	1	8

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-487045/4
Matrix: Water
Analysis Batch: 487045

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.0600	I	0.10	0.032	mg/L			04/25/20 15:12	1

Lab Sample ID: LCS 400-487045/6
Matrix: Water
Analysis Batch: 487045

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	4.00	3.91		mg/L		98	90 - 110

Lab Sample ID: 400-186948-A-3 MS
Matrix: Water
Analysis Batch: 487045

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	0.30	V	1.00	1.05		mg/L		75	75 - 125

Lab Sample ID: 400-186948-A-3 MSD
Matrix: Water
Analysis Batch: 487045

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	0.30	V	1.00	1.01	J3	mg/L		71	75 - 125	4	4

Lab Sample ID: 400-186948-A-13 MS
Matrix: Water
Analysis Batch: 487045

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	0.032	U	1.00	0.900		mg/L		90	75 - 125

Lab Sample ID: 400-186948-A-13 MSD
Matrix: Water
Analysis Batch: 487045

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	0.032	U	1.00	0.880		mg/L		88	75 - 125	2	4

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: MB 400-487053/3
Matrix: Water
Analysis Batch: 487053

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.0500	I	0.10	0.032	mg/L			04/25/20 17:51	1

Lab Sample ID: LCS 400-487053/4
Matrix: Water
Analysis Batch: 487053

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Fluoride			4.00	4.08		mg/L		102	90 - 110		

Lab Sample ID: 400-187254-B-1 MS
Matrix: Water
Analysis Batch: 487053

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	0.032	U	1.00	0.990		mg/L		99	75 - 125		

Lab Sample ID: 400-187254-B-1 MSD
Matrix: Water
Analysis Batch: 487053

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	0.032	U	1.00	0.990		mg/L		99	75 - 125	0	4

Lab Sample ID: 400-187257-B-1 MS
Matrix: Water
Analysis Batch: 487053

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	0.39	V	1.00	1.43		mg/L		104	75 - 125		

Lab Sample ID: 400-187257-B-1 MSD
Matrix: Water
Analysis Batch: 487053

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	0.39	V	1.00	1.43		mg/L		104	75 - 125	0	4

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-486843/6
Matrix: Water
Analysis Batch: 486843

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			04/23/20 13:33	1

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

Lab Sample ID: LCS 400-486843/7
Matrix: Water
Analysis Batch: 486843

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	15.0	15.0		mg/L		100	90 - 110

Lab Sample ID: MRL 400-486843/3
Matrix: Water
Analysis Batch: 486843

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	5.00	4.61	I	mg/L		92	50 - 150

Lab Sample ID: 400-186948-25 MS
Matrix: Water
Analysis Batch: 486843

Client Sample ID: FB-03
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	1.4	U	10.0	8.27		mg/L		83	77 - 128

Lab Sample ID: 400-186948-25 MSD
Matrix: Water
Analysis Batch: 486843

Client Sample ID: FB-03
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	1.4	U	10.0	8.25		mg/L		82	77 - 128	0	5

Lab Sample ID: 400-186948-A-15 MS
Matrix: Water
Analysis Batch: 486843

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	8.95		mg/L		89	77 - 128

Lab Sample ID: 400-186948-A-15 MSD
Matrix: Water
Analysis Batch: 486843

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	8.90		mg/L		89	77 - 128	1	5

DWPGRD

400-186948-7, -8

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Philip Evans / Treuy Braddock	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-93952-23630.1
Client Contact: Mr. Mike Markey	Phone:	E-Mail: cheyenne.whitmire@testamericainc.com		Page: Page 1 of 1
Company: Gulf Power Company				Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520				
Phone: 850-444-6573(Tel)	PO #: Purchase Order not required			
Email: richard.markey@nexteraenergy.com	WO #:			
Project Name: CCR Plant Crist	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
Preservation Code:							D	N	N	D	N	N		
MW-200	4/18/20	1315	G	Water			X	X		X	X	X		
~~[redacted]~~ EB-03	4/18/20	1250	G	Water			X	X		X	X	X		
MW-206	4/18/20	1325	G	Water			X	X		X	X	X		
EB-03	4/18/20	1205	G	Water			X	X		X	X	X		
				Water										
				Water										

Possible Hazard Identification

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

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

☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	4/18/20 1448	RDH	[signature]	4-18-20 1448	RDH
2	Brenda Hoggard	4-20-20 0948	RDH	[signature]	4/20/20 9:48	TAPen
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.0°C, 2.3C, 0.0°C

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 400-186948-7
SDG Number: Downgradient D

Login Number: 186948
List Number: 1
Creator: Hinrichsen, Megan E

List Source: Eurofins TestAmerica, 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.	True	
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	2.5°C, 0.8°C, 1.3°C, 0.5°C IR-7; 0.0 °C,0.0 °C, 2.3°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: Gulf Power Company
Project/Site: CCR Plant Crist

Job ID: 400-186948-3
SDG: DownBrakient D

Laboratory: Eurofins TestAmerica, Pensacola

gll accrekitations/certifications delk by tdis laboratory are listekA h ot all accrekitations/certifications are applicable to tdis reportA

Authority	Program	Identification Number	Expiration Date
glabama	State	401. 0	03-01-N0
gh g5	IS7 /I2C 130N.	CN431	0N-NE-NE
griLona	State	gz0310	01-1E-N1
grZansas D2Q	State	88-0689	09-01-N0
California	State	N. 10	06-E0-N0
Florika	h2QgP	281010	06-E0-N0
GeorBia	State	281010(FO)	06-E0-N0
Illinois	h2QgP	004. 86	10-09-N0
Iowa	State	E63	08-01-N0
Kansas	h2QgP	2-10N. E	08-16-N0
KentucZy (UST)	State	. E	06-E0-N0
KentucZy (WW)	State	KY980E0	1N-E1-N0
Cbuisiana	h2QgP	E0936	06-E0-N0
Cbuisiana (DW)	State	Qg013	1N-E1-N0
Marylank	State	NEE	09-E0-N0
Massacdusetts	State	M-FC094	06-E0-N0
MicdiBan	State	991N	0. -06-N0
Minnesota	h2QgP	01N-999-481	1N-E1-N0
h ew Jersey	h2QgP	FC006	06-E0-N0
h ew YorZ	h2QgP	1N11.	04-01-N1
h ortd Carolina (WW/SW)	State	E14	1N-E1-N0
7 Zladoma	State	9810-186	08-E1-N0
Pennsylvania	h2QgP	68-00463	01-E1-N1
Rdoke Islank	State	Qg7 00E03	1N-E0-N0
Soutd Carolina	State	960N600N	06-E0-N0
Tennessee	State	Th 0N903	06-E0-N0
Texas	h2QgP	T104304N86	09-E0-N0
US Fisd & Wilklife	US Fekeral ProBrams	0. 8448	03-E1-N0
USDg	US Fekeral ProBrams	PEE0-18-00148	0. -13-N1
VirBinia	h2QgP	460166	06-14-N0
WasdinBton	State	C91.	0. -1. -N0
West VirBinia D2P	State	1E6	06-E0-N0

eurofins | Environment Testing America



ANALYTICAL REPORT

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

Laboratory Job ID: 400-186948-8
Laboratory Sample Delivery Group: Downgradient D
Client Project/Site: CCR Plant Crist

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

Attn: Mr. Mike Markey

Cheyenne R Whitmire

Authorized for release by:
5/27/2020 8:35:20 PM

Cheyenne Whitmire, Project Manager II
(850)471-6222
cheyenne.whitmire@testamericainc.com

LINKS

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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC and 2009 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.

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Job ID: 400-186948-8

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-186948-8

RAD

Method 9315: Radium-226 Prep Batch 160-468574. Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. MW-200 (400-186948-22), EB-03 (400-186948-23), MW-206 (400-186948-24), FB-03 (400-186948-25), (LCS 160-468574/1-A), (LCSD 160-468574/2-A) and (MB 160-468574/20-A)

Method 9320: Ra-228 Prep Batch 160-468579. Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. MW-200 (400-186948-22), EB-03 (400-186948-23), MW-206 (400-186948-24), FB-03 (400-186948-25), (LCS 160-468579/1-A), (LCSD 160-468579/2-A) and (MB 160-468579/20-A)

Method PrecSep_0: Radium 228 Prep Batch 160-468579. Insufficient sample volume was available to perform a sample duplicate for the following samples: MW-200 (400-186948-22), EB-03 (400-186948-23), MW-206 (400-186948-24) and FB-03 (400-186948-25). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep-21: Radium 226 Prep Batch 160-468574. Insufficient sample volume was available to perform a sample duplicate for the following samples: MW-200 (400-186948-22), EB-03 (400-186948-23), MW-206 (400-186948-24) and FB-03 (400-186948-25). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method Summary

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

Job ID: 400-186948-8
SDG: Downgradient D

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

Protocol References:

None = None

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

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

Laboratory References:

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

Sample Summary

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

Job ID: 400-186948-8
SDG: Downgradient D

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-186948-22	MW-200	Water	04/18/20 13:15	04/20/20 09:48	
400-186948-23	EB-03	Water	04/18/20 12:50	04/20/20 09:48	
400-186948-24	MW-206	Water	04/18/20 13:25	04/20/20 09:48	
400-186948-25	FB-03	Water	04/18/20 12:05	04/20/20 09:48	

Client Sample Results

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

Job ID: 400-186948-8
SDG: Downgradient D

Client Sample ID: MW-300

Date Collected: 04/18/30 12:15
Date Received: 04/30/30 09:48

Lab Sample ID: 400-186948-33

Matrix: Water

Met7od: 9215 - Radium-336 h(GFCP

) nalAte	Result	UualiQer	Count z ncerty Hβσ. /-P	f otal z ncerty Hβσ. /-P	RL	MDC	z nit	Frepared	) nalA+ed	Dil Gac
Radium-336	1y14		0.196	0.222	1.00	0.116	pCi/L	04/22/20 07:02	05/14/20 06:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.5*		*40 - 110*	*04/22/20 07:02*	*05/14/20 06:21*	*1*

Met7od: 9230 - Radium-338 h(GFCP

) nalAte	Result	UualiQer	Count z ncerty Hβσ. /-P	f otal z ncerty Hβσ. /-P	RL	MDC	z nit	Frepared	) nalA+ed	Dil Gac
Radium-338	1y88		0.363	0.382	1.00	0.463	pCi/L	04/22/20 07:45	05/04/20 18:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.5*		*40 - 110*	*04/22/20 07:45*	*05/04/20 18:24*	*1*
Y Carrier	*86.0*		*40 - 110*	*04/22/20 07:45*	*05/04/20 18:24*	*1*

Met7od: Ra336TRa338 - Combined Radium-336 and Radium-338

) nalAte	Result	UualiQer	Count z ncerty Hβσ. /-P	f otal z ncerty Hβσ. /-P	RL	MDC	z nit	Frepared	) nalA+ed	Dil Gac
Combined Radium 336 . 338	3y43		0.413	0.442	5.00	0.463	pCi/L		05/14/20 08:55	1

Client Sample Results

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

Job ID: 400-186948-8
SDG: Downgradient D

Client Sample ID: _E-02
Date Collected: 04/18/30 13:50
Date Received: 04/30/30 09:48

Lab Sample ID: 400-186948-32
Matrix: Water

Met7od: 9215 - Radium-336 h(GFCP

) nalAte	Result	UualiQer	Count z ncerty hBσ. /-P	f otal z ncerty hBσ. /-P	RL	MDC	z nit	Frepared	) nalA+ed	Dil Gac
Radium-226	0.0155	U	0.0587	0.0587	1.00	0.114	pCi/L	04/22/20 07:02	05/14/20 06:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.7*		*40 - 110*	*04/22/20 07:02*	*05/14/20 06:21*	*1*

Met7od: 9230 - Radium-338 h(GFCP

) nalAte	Result	UualiQer	Count z ncerty hBσ. /-P	f otal z ncerty hBσ. /-P	RL	MDC	z nit	Frepared	) nalA+ed	Dil Gac
Radium-228	0.00785	U	0.272	0.272	1.00	0.485	pCi/L	04/22/20 07:45	05/04/20 18:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.7*		*40 - 110*	*04/22/20 07:45*	*05/04/20 18:24*	*1*
Y Carrier	*89.3*		*40 - 110*	*04/22/20 07:45*	*05/04/20 18:24*	*1*

Met7od: Ra336TRa338 - Combined Radium-336 and Radium-338

) nalAte	Result	UualiQer	Count z ncerty hBσ. /-P	f otal z ncerty hBσ. /-P	RL	MDC	z nit	Frepared	) nalA+ed	Dil Gac
Combined Radium 226 + 228	0.0233	U	0.278	0.278	5.00	0.485	pCi/L		05/14/20 08:55	1

Client Sample ID: MW-306

Date Collected: 04/18/30 12:35
Date Received: 04/30/30 09:48

Lab Sample ID: 400-186948-34

Matrix: Water

Met7od: 9215 - Radium-336 h(GFCP

) nalAte	Result	UualiQer	Count z ncerty Hβσ. /-P	f otal z ncerty Hβσ. /-P	RL	MDC	z nit	Frepared	) nalA+ed	Dil Gac
Radium-336	3y68		0.290	0.378	1.00	0.0887	pCi/L	04/22/20 07:02	05/14/20 06:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.1*		*40 - 110*	*04/22/20 07:02*	*05/14/20 06:21*	*1*

Met7od: 9230 - Radium-338 h(GFCP

) nalAte	Result	UualiQer	Count z ncerty Hβσ. /-P	f otal z ncerty Hβσ. /-P	RL	MDC	z nit	Frepared	) nalA+ed	Dil Gac
Radium-338	4y25		0.560	0.688	1.00	0.493	pCi/L	04/22/20 07:45	05/04/20 18:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.1*		*40 - 110*	*04/22/20 07:45*	*05/04/20 18:24*	*1*
Y Carrier	*82.2*		*40 - 110*	*04/22/20 07:45*	*05/04/20 18:24*	*1*

Met7od: Ra336TRa338 - Combined Radium-336 and Radium-338

) nalAte	Result	UualiQer	Count z ncerty Hβσ. /-P	f otal z ncerty Hβσ. /-P	RL	MDC	z nit	Frepared	) nalA+ed	Dil Gac
Combined Radium 336 . 338	By02		0.631	0.785	5.00	0.493	pCi/L		05/14/20 08:55	1

Client Sample Results

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

Job ID: 400-186948-8
SDG: Downgradient D

Client Sample ID: GE-02

Date Collected: 04/18/30 13:05
Date Received: 04/30/30 09:48

Lab Sample ID: 400-186948-35

Matrix: Water

Met7od: 9215 - Radium-336 h(GFCP

) nalAte	Result	UualiQer	Count z ncerty Hβσ. /-P	f otal z ncerty Hβσ. /-P	RL	MDC	z nit	Frepared	) nalA+ed	Dil Gac
Radium-226	-0.00148	U	0.0657	0.0657	1.00	0.131	pCi/L	04/22/20 07:02	05/14/20 06:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.3*		*40 - 110*	*04/22/20 07:02*	*05/14/20 06:21*	*1*

Met7od: 9230 - Radium-338 h(GFCP

) nalAte	Result	UualiQer	Count z ncerty Hβσ. /-P	f otal z ncerty Hβσ. /-P	RL	MDC	z nit	Frepared	) nalA+ed	Dil Gac
Radium-228	0.225	U	0.209	0.210	1.00	0.336	pCi/L	04/22/20 07:45	05/04/20 18:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.3*		*40 - 110*	*04/22/20 07:45*	*05/04/20 18:24*	*1*
Y Carrier	*89.7*		*40 - 110*	*04/22/20 07:45*	*05/04/20 18:24*	*1*

Met7od: Ra336TRa338 - Combined Radium-336 and Radium-338

) nalAte	Result	UualiQer	Count z ncerty Hβσ. /-P	f otal z ncerty Hβσ. /-P	RL	MDC	z nit	Frepared	) nalA+ed	Dil Gac
Combined Radium 226 + 228	0.223	U	0.219	0.220	5.00	0.336	pCi/L		05/14/20 08:55	1

Qualifiers

Rad

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Lab Chronicle

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

Job ID: 400-186948-8
SDG: Downgradient D

Client Sample ID: MW-200
Date Collected: 04/18/20 13:15
Date Received: 04/20/20 09:48

Lab Sample ID: 400-186948-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			468574	04/22/20 07:02	RBR	TAL SL
Total/NA	Analysis	9315		1	470394	05/14/20 06:21	KLS	TAL SL
Total/NA	Prep	PrecSep_0			468579	04/22/20 07:45	RBR	TAL SL
Total/NA	Analysis	9320		1	469473	05/04/20 18:24	CJQ	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	470402	05/14/20 08:55	SMP	TAL SL

Client Sample ID: EB-03
Date Collected: 04/18/20 12:50
Date Received: 04/20/20 09:48

Lab Sample ID: 400-186948-23
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			468574	04/22/20 07:02	RBR	TAL SL
Total/NA	Analysis	9315		1	470394	05/14/20 06:21	KLS	TAL SL
Total/NA	Prep	PrecSep_0			468579	04/22/20 07:45	RBR	TAL SL
Total/NA	Analysis	9320		1	469473	05/04/20 18:24	CJQ	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	470402	05/14/20 08:55	SMP	TAL SL

Client Sample ID: MW-206
Date Collected: 04/18/20 13:25
Date Received: 04/20/20 09:48

Lab Sample ID: 400-186948-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			468574	04/22/20 07:02	RBR	TAL SL
Total/NA	Analysis	9315		1	470394	05/14/20 06:21	KLS	TAL SL
Total/NA	Prep	PrecSep_0			468579	04/22/20 07:45	RBR	TAL SL
Total/NA	Analysis	9320		1	469473	05/04/20 18:24	CJQ	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	470402	05/14/20 08:55	SMP	TAL SL

Client Sample ID: FB-03
Date Collected: 04/18/20 12:05
Date Received: 04/20/20 09:48

Lab Sample ID: 400-186948-25
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			468574	04/22/20 07:02	RBR	TAL SL
Total/NA	Analysis	9315		1	470394	05/14/20 06:21	KLS	TAL SL
Total/NA	Prep	PrecSep_0			468579	04/22/20 07:45	RBR	TAL SL
Total/NA	Analysis	9320		1	469473	05/04/20 18:24	CJQ	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	470402	05/14/20 08:55	SMP	TAL SL

Laboratory References:

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

Rad

Prep Batch: 468574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186948-22	MW-200	Total/NA	Water	PrecSep-21	
400-186948-23	EB-03	Total/NA	Water	PrecSep-21	
400-186948-24	MW-206	Total/NA	Water	PrecSep-21	
400-186948-25	FB-03	Total/NA	Water	PrecSep-21	
MB 160-468574/20-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-468574/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-468574/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 468579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186948-22	MW-200	Total/NA	Water	PrecSep_0	
400-186948-23	EB-03	Total/NA	Water	PrecSep_0	
400-186948-24	MW-206	Total/NA	Water	PrecSep_0	
400-186948-25	FB-03	Total/NA	Water	PrecSep_0	
MB 160-468579/20-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-468579/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-468579/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-468574/20-A
Matrix: Water
Analysis Batch: 470394

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 468574

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.05071	U	0.0548	0.0550	1.00	0.0868	pCi/L	04/22/20 07:02	05/14/20 06:21	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.4*		*40 - 110*	*04/22/20 07:02*	*05/14/20 06:21*	*1*

Lab Sample ID: LCS 160-468574/1-A
Matrix: Water
Analysis Batch: 470394

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 468574

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-226			11.3	9.307		0.977	1.00	0.100	pCi/L	82	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*98.5*		*40 - 110*

Lab Sample ID: LCSD 160-468574/2-A
Matrix: Water
Analysis Batch: 470394

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 468574

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Radium-226			11.3	8.881		0.939	1.00	0.101	pCi/L	78	75 - 125	0.22	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*99.7*		*40 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-468579/20-A
Matrix: Water
Analysis Batch: 469473

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 468579

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.02053	U	0.224	0.224	1.00	0.406	pCi/L	04/22/20 07:45	05/04/20 18:25	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.4*		*40 - 110*	*04/22/20 07:45*	*05/04/20 18:25*	*1*
Y Carrier	*84.9*		*40 - 110*	*04/22/20 07:45*	*05/04/20 18:25*	*1*

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

Lab Sample ID: LCS 160-468579/1-A
Matrix: Water
Analysis Batch: 469502

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 468579

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-228			8.87	7.401		0.899	1.00	0.363	pCi/L	83	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*98.5*		*40 - 110*
Y Carrier	*89.3*		*40 - 110*

Lab Sample ID: LCSD 160-468579/2-A
Matrix: Water
Analysis Batch: 469502

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 468579

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Radium-228			8.87	7.705		0.941	1.00	0.383	pCi/L	87	75 - 125	0.17	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*99.7*		*40 - 110*
Y Carrier	*83.7*		*40 - 110*

DWPGRD

400-186948-7, -8

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Philip Evans / Trevor Brad[illegible]	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-93952-23630.1
Client Contact: Mr. Mike Markey	Phone:	E-Mail: cheyenne.whitmire@testamericainc.com		Page: Page 1 of 1
Company: Gulf Power Company				Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520				
Phone: 850-444-6573(Tel)	PO #: Purchase Order not required			
Email: richard.markey@nexteraenergy.com	WO #:			
Project Name: CCR Plant Crist	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N	D	N	N		
MW-200	4/18/20	1315	G	Water			X	X		X	X	X		
~~[illegible]~~ EB-03	4/18/20	1250	G	Water			X	X		X	X	X		
MW-206	4/18/20	1325	G	Water			X	X		X	X	X		
EB-03	4/18/20	1205	G	Water			X	X		X	X	X		
				Water										
				Water										

Possible Hazard Identification

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

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

☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	4/18/20 1448	RDH	[signature]	4-18-20 1448	RDH
Relinquished by: [signature]	Date/Time: 4-20-20 0948	Company RDH	Received by: [signature]	Date/Time: 4/20/20 9:48	Company TAPen
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.0°C, 2.3C, 0.0°C IR8

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 400-186948-8
7SG Number: SownDragient S

Login Number: 186948
List Number: 1
Creator: Hinrichsen, Megan E

List Source: Eurofins TestAmerica, Pensacola

Question	Answer	Comment
AagioaRticity wavns: R eRheg or iv kd< baRhDroung av meavureg by a vurcey meter=	Nd	
. ' e Rooler:v Ruvtogy vealTif preventTiv intaRt=	. rue	
7ample Ruvtogy vealvTif preventTare intaRt=	Nd	
. ' e Rooler or vamplev go not appear to ' ace been Rompromiveg or tampereg wit' =	. rue	
7amplev were reReiceg on iRe=	. rue	
Cooler . emperature iv aRReptable=	. rue	
Cooler . emperature iv reRorgeg=	. rue	, =25CT0=85CT1=° 5CT0=25C 3A-I ; 0=0 5CT0=0 5CT , =° 5C 3A 8
COC iv prevent=	. rue	
COC iv filleg out in inh ang leDible=	. rue	
COC iv filleg out wit' all pertinent information=	. rue	
3v t' e Fielg 7amplersv name prevent on COC?	. rue	
. ' ere are no givRepanRiev between t' e Rontainerv reReiceg ang t' e COC=	. rue	
7amplev are reReiceg wit' in HolginD . ime (exRuginD tevtv wit' immegiate H. v)	. rue	
7ample Rontainerv ' ace leDible labelv=	. rue	
Containerv are not brohen or leahinD=	. rue	
7ample RolleRtion gatedimev are procigeg=	. rue	
/ ppropriate vample Rontainerv are uveg=	. rue	
7ample bottlev are Rompletely filleg=	. rue	
7ample Prevercation Verifieg=	. rue	
. ' ere iv vuffiRient col=for all requevteg analyvevTinRt=any requevteg M7dM7Sv	. rue	
ContainervrequirinD zero ' eagvpaRe ' ace no ' eagvpaRe or bubble iv k6mm (1d4")	Nd	
Multip' aviRvamplev are not prevent=	. rue	
7amplev go not require vplittinD or RompovitinD=	. rue	
Aevigual C' lorine C' eRheg=	Nd	

Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 400-186948-8
7SG Number: SownDragient S

Login Number: 186948
List Number: 2
Creator: Mazariegos, Leonel A

List Source: Eurofins TestAmerica, St. Louis
List Creation: 04/21/20 01:01 PM

Question	Answer	Comment
AagioaRticity wavns: R eRheg or iv kd< baRhDroung av meavureg by a vurcey meter=	. rue	
. ' e Rooler:v Ruvtogy vealTif preventTiv intaRt=	. rue	
7ample Ruvtogy vealvTif preventTare intaRt=	Nd	
. ' e Rooler or vamplev go not appear to ' ace been Rompromiveg or tampereg wit' =	. rue	
7amplev were reReiceg on iRe=	Nd	
Cooler . emperature iv aRReptable=	. rue	
Cooler . emperature iv reRorgeg=	. rue	
COC iv prevent=	. rue	
COC iv filleg out in inh ang leDible=	. rue	
COC iv filleg out wit' all pertinent information=	. rue	
3v t' e Fielg 7amplersv name prevent on COC?	. rue	
. ' ere are no givRrepanRiev between t' e Rontainerv reReiceg ang t' e COC=	. rue	
7amplev are reReiceg wit' in HolginD . ime (exRuginD tevtv wit' immegiate H. v)	. rue	
7ample Rontainerv ' ace leDible labelv=	. rue	
Containerv are not brohen or leahinD=	. rue	
7ample RolleRtion gatedimev are procigeg=	. rue	
/ ppropriate vample Rontainerv are uveg=	. rue	
7ample bottlev are Rompletely filleg=	. rue	
7ample Prevercation Verifieg=	. rue	
. ' ere iv vuffiRient col=for all requevteg analyvevTinR=any requevteg M7dM7Sv	. rue	
Containerv requirinD zero ' eagvpaRe ' ace no ' eagvpaRe or bubble iv k6mm (1d4")	. rue	
Multip' aviRvamplev are not prevent=	. rue	
7amplev go not require vplittinD or RompovitinD=	. rue	
Aevigual C' lorine C' eRheg=	Nd	

Accreditation/Certification Summary

Client: Gulf Power Company
Pro3e2tjc ite: CC/ Plant CriSt

Job ID: 400-186948-8
c DG: DownRrasient D

Laboratory: Eurofins TestAmerica, Pensacola

Bll a22resitationSj2ertifi2ationSkels by tkiS laboratory are liStesg d ot all a22resitationSj2ertifi2ationS are appli2able to tkiS reportg

Authority	Program	Identification Number	Expiration Date
Blabama	c tate	401A0	0h-01-. 0
Bd BN	Ic 5 jI7 C 1h0. A	Q 4h1	0. -. E-. E
BriLona	c tate	Bz 0h10	01-1E-. 1
BrZanSaS D7 Q	c tate	88-0689	09-01-. 0
California	c tate	. A10	0h-01-. 0
Florisa	d 7 OBP	781010	06-E0-. 0
GeorRia	c tate	781010(FO)	06-E0-. 0
IllinoiS	d 7 OBP	004A86	10-09-. 0
Iowa	c tate	E6h	08-01-. 0
KanSaS	d 7 OBP	7-10. AE	08-16-. 0
Kentu2Zy (Uc T)	c tate	AE	06-E0-. 0
Kentu2Zy (WW)	c tate	KY980E0	1. -E1-. 0
ObuiSiana	d 7 OBP	E09h6	06-E0-. 0
ObuiSiana (DW)	c tate	OB01h	1. -E1-. 0
Marylans	c tate	. EE	09-E0-. 0
MaSSa2kuSettS	c tate	M-FO094	06-E0-. 0
Mi2kiRan	c tate	991.	06-E0-. 0
MinneSota	d 7 OBP	01. -999-481	1. -E1-. 0
d ew JerSey	d 7 OBP	FO006	06-E0-. 0
d ew YorZ	d 7 OBP	1. 11A	04-01-. 1
d ortk Carolina (WWjc W)	c tate	E14	1. -E1-. 0
5 Zlakoma	c tate	9810-186	08-E1-. 0
PennSylvania	d 7 OBP	68-0046h	01-E1-. 1
/ kose ISlans	c tate	OB5 00E0h	1. -E0-. 0
c outk Carolina	c tate	960. 600.	06-E0-. 0
TenneSSee	c tate	Td 0. 90h	06-E0-. 0
TexaS	d 7 OBP	T104h04. 86	09-E0-. 0
Uc FiSk & Wilslife	Uc Feseral ProRramS	0A8448	0h-E1-. 0
Uc DB	Uc Feseral ProRramS	PEE0-18-00148	0A-1h-. 1
VirRinia	d 7 OBP	460166	06-14-. 0
WaSkinRton	c tate	C91A	0A-1A-. 0
WeSt VirRinia D7 P	c tate	1E6	06-E0-. 0

Accreditation/Certification Summary

Client: Gulf Power Company
Pro3e2tjc ite: CC/ Plant CriSt

Job ID: 400-186948-8
c DG: DownRrasient D

Laboratory: Eurofins TestAmerica, St. Louis

Bll a22resitationSj2ertifi2ationSkels by tkiS laboratory are liStesg d ot all a22resitationSj2ertifi2ationS are appli2able to tkiS reportg

Authority	Program	Identification Number	Expiration Date
BlaSZa (Uc T)	c tate	. 0-001	0A-06-. .
Bd BN	Deptgof DefenSe 7 CBP	Q E0A	0A-14-. 0
Bd BN	Deptgof 7 nerRy	Q E0Ag01	0A-14-. 0
Bd BN	Ic 5 jI7 C 1h0. A	Q E0A	04-06-. .
BriLona	c tate	Bz 081E	1. -08-. 0
California	CoS BnReleS County c anitation DiStri2tS	10. A9	06-E0-. 0
California	c tate	. 886	06-E0-. 0
Conne2ti2ut	c tate	PH-0. 41	0E-E1-. 1
Florisa	d 7 CBP	78h689	06-E0-. 0
HI - / asCkem / e2oRnition	c tate	nja	06-E0-. 0
IllinoiS	d 7 CBP	004AAE	11-E0-. 0
Iowa	c tate	EhE	09-1h-. 0
KanSaS	d 7 CBP	7-10. E6	10-E1-. 0
Kentu2Zy (DW)	c tate	KY901. A	1. -E1-. 0
CouiSiana	d 7 CBP	04080	06-E0-. 0
CouiSiana (DW)	c tate	CB011	1. -E1-. 0
Marylans	c tate	E10	09-E0-. 0
MI - / asCkem / e2oRnition	c tate	900A	06-E0-. 0
MiSSouri	c tate	h80	06-E0-. .
d evasa	c tate	M5 000A4. 0. 0-1	0h-E1-. 0
d ew JerSey	d 7 CBP	M5 00.	06-E0-. 0
d ew YorZ	d 7 CBP	11616	04-01-. 1
d ortk DaZota	c tate	/ -. 0h	06-E0-. 0
d / C	d / C	. 4-. 481h-01	1. -E1-. .
5 Zlakoma	c tate	999h	08-E1-. 0
PennSylvania	d 7 CBP	68-00A40	0. -. 8-. 1
c outk Carolina	c tate	8A00. 001	06-E0-. 0
TexaS	d 7 CBP	T104h0419E-19-1E	0h-E1-. 0
Uc FiSk & Wilslife	Uc Feseral ProRramS	0A8448	0h-E1-. 0
Uc DB	Uc Feseral ProRramS	PEE0-1h-000. 8	0E-11-. E
Utak	d 7 CBP	M5 000A4. 019-11	0h-E1-. 0
VirRinia	d 7 CBP	10E10	06-14-. 0
WaSkinRton	c tate	CA9.	08-E0-. 0
WeSt VirRinia D7 P	c tate	E81	10-E1-. 0

eurofins | Environment Testing America



ANALYTICAL REPORT

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

Laboratory Job ID: 400-186948-3
Laboratory Sample Delivery Group: Upgradient
Client Project/Site: CCR Plant Crist
Revision: 1

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

Attn: Barry Evans

Authorized for release by:
7/9/2020 4:43:26 PM

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

LINKS

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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.

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Job ID: 400-186948-3

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-186948-3

Metals
Method 6020: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-204 (400-186948-11) and MW-205 (400-186948-12). Elevated reporting limits (RLs) are provided.

General Chemistry
Method SM 2540C: The sample duplicate (DUP) precision for analytical batch 400-486847 was outside control limits. Sample non-homogeneity is suspected.

Method SM 4500 F C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-487045 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 F C: The method blank for analytical batch 400-487045 contained fluoride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method SM 4500 Cl- E: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-204 (400-186948-11) and MW-205 (400-186948-12). Elevated reporting limits (RLs) are provided.

Method SM 4500 SO4 E: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-203 (400-186948-10), MW-204 (400-186948-11), MW-205 (400-186948-12) and DUP-02 (400-186948-13). Elevated reporting limits (RLs) are provided.

Detection Summary

Client: Gulf Power Company
Proce/ tRSite: CCs Plant CriAt

Job ID: 400-186948-7
SDG: g pdraj ient

Client Sample ID: MW-202 — Lab Sample ID: 400-186948-9

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
. arium	0204B		0200050	0200014	mdRL	1		60B0	Total s e/ overable
. eryllium	0200063	I	0200050	0200074	mdRL	1		60B0	Total s e/ overable
. oron	0216		02010	0200076	mdRL	1		60B0	Total s e/ overable
Cal/ ium	32B		0200	020B5	mdRL	1		60B0	Total s e/ overable
CVromium	0200B7	I	0200050	0200B0	mdRL	1		60B0	Total s e/ overable
Cobalt	020015		0200050	0200011	mdRL	1		60B0	Total s e/ overable
Leaj	0200071		0200B5	0200058	mdRL	1		60B0	Total s e/ overable
LitVium	0200064	I	020010	0200078	mdRL	1		60B0	Total s e/ overable
Selenium	0200066		0200B5	0200016	mdRL	1		60B0	Total s e/ overable
h er/ ury	0200055		0200B0	0200030	mdRL	1		3430N	TotalRVN
Total DiAAolvej Solij A	110		520	520	mdRL	1		Sh B540C	TotalRVN
CVlorij e	15		B20	124	mdRL	1		Sh 4500 Cl- E	TotalRVN
Sulfate	B5		520	124	mdRL	1		Sh 4500 SO4 E	TotalRVN
Fielj pH	426B				Sg	1		Fielj Samplind	TotalRVN

Client Sample ID: MW-203 — Lab Sample ID: 400-186948-10

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
NrAeni/	0200087	I	0200B5	0200038	mdRL	1		60B0	Total s e/ overable
. arium	020B6		0200050	0200014	mdRL	1		60B0	Total s e/ overable
. eryllium	0200040	I	0200050	0200074	mdRL	1		60B0	Total s e/ overable
. oron	0245		02010	0200076	mdRL	1		60B0	Total s e/ overable
Cal/ ium	B8		0200	020B5	mdRL	1		60B0	Total s e/ overable
Cobalt	020010		0200050	0200011	mdRL	1		60B0	Total s e/ overable
Leaj	0200015	I	0200B5	0200058	mdRL	1		60B0	Total s e/ overable
Selenium	020014		0200B5	0200016	mdRL	1		60B0	Total s e/ overable
TVallium	0200047	I	0200010	0200B4	mdRL	1		60B0	Total s e/ overable
Total DiAAolvej Solij A	100		520	520	mdRL	1		Sh B540C	TotalRVN
CVlorij e	15		B20	124	mdRL	1		Sh 4500 Cl- E	TotalRVN
Sulfate	69		B5	320	mdRL	5		Sh 4500 SO4 E	TotalRVN
Fielj pH	5204				Sg	1		Fielj Samplind	TotalRVN

Client Sample ID: MW-204 — Lab Sample ID: 400-186948-11

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
. arium	0270		0200050	0200014	mdRL	1		60B0	Total s e/ overable
. eryllium	0200054		0200050	0200074	mdRL	1		60B0	Total s e/ overable

TViA Dete/ tion Summary j oeA not in/ luj e raj io/ Vemi/ al teAt reAultA2

EurofinA TeAtNmeri/ aUPenAa/ ola

Client Sample ID: MW-204 (Continued)

Lab Sample ID: 400-186948-11

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
. oron	427		02B0	0203B	mdR.	B0		60B0	Total s e/ overable
Cal/ ium	6B		02050	02DB5	mdR.	1		60B0	Total s e/ overable
CVromium	0200049	I	0200050	02000B0	mdR.	1		60B0	Total s e/ overable
Cobalt	020088		0200050	020011	mdR.	1		60B0	Total s e/ overable
Leaj	0200B0		02000B5	02000058	mdR.	1		60B0	Total s e/ overable
LitVium	020014		020010	0200078	mdR.	1		60B0	Total s e/ overable
Selenium	020076		02000B5	020016	mdR.	1		60B0	Total s e/ overable
TVallium	02000B9		0200010	02000B4	mdR.	1		60B0	Total s e/ overable
h er/ ury	0200015	I	02000B0	02000030	mdR.	1		3430N	TotalRVN
Total DiAAolvej Solij A	570		10	10	mdR.	1		Sh B540C	TotalRVN
CVlorij e	80		420	B28	mdR.	B		Sh 4500 Cl- E	TotalRVN
Fluorij e	02B0	,	0210	0207B	mdR.	1		Sh 4500 F C	TotalRVN
Sulfate	7B0		50	14	mdR.	10		Sh 4500 SO4 E	TotalRVN
Fielj pH	4240				Sg	1		Fielj Samplind	TotalRVN

Client Sample ID: MW-205

Lab Sample ID: 400-186948-12

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
NrAeni/	0200015	I	02000B5	02000038	mdR.	1		60B0	Total s e/ overable
. arium	02035		0200050	020014	mdR.	1		60B0	Total s e/ overable
. eryllium	0200017	I	0200050	02000074	mdR.	1		60B0	Total s e/ overable
. oron	B26		0210	0276	mdR.	10		60B0	Total s e/ overable
Cal/ ium	41		02050	02DB5	mdR.	1		60B0	Total s e/ overable
CVromium	02000B0	I	0200050	02000B0	mdR.	1		60B0	Total s e/ overable
Cobalt	020013		0200050	020011	mdR.	1		60B0	Total s e/ overable
Leaj	0200059		02000B5	02000058	mdR.	1		60B0	Total s e/ overable
LitVium	0200034	I	020010	0200078	mdR.	1		60B0	Total s e/ overable
Selenium	020017		02000B5	020016	mdR.	1		60B0	Total s e/ overable
TVallium	02000084	I	0200010	02000B4	mdR.	1		60B0	Total s e/ overable
h er/ ury	020001B	I	02000B0	02000030	mdR.	1		3430N	TotalRVN
Total DiAAolvej Solij A	710		520	520	mdR.	1		Sh B540C	TotalRVN
CVlorij e	64		420	B28	mdR.	B		Sh 4500 Cl- E	TotalRVN
Fluorij e	02040	I ,	0210	0207B	mdR.	1		Sh 4500 F C	TotalRVN
Sulfate	150		B5	320	mdR.	5		Sh 4500 SO4 E	TotalRVN
Fielj pH	4295				Sg	1		Fielj Samplind	TotalRVN

Detection Summary

Client: Gulf Power Company
Proce/ tRSite: CCs Plant CriAt

Job ID: 400-186948-7
SDG: g pdraj ient

Client Sample ID: DUP-02 — Lab Sample ID: 400-186948-13

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
. arium	02B6		0200050	0200014	mdR	1		60B0	Total s e/ overable
. eryllium	0200004B	I	0200050	0200074	mdR	1		60B0	Total s e/ overable
. oron	0246		02010	0200076	mdR	1		60B0	Total s e/ overable
Cal/ ium	B8		02050	020B5	mdR	1		60B0	Total s e/ overable
Cobalt	020010		0200050	0200011	mdR	1		60B0	Total s e/ overable
Leaj	0200016	I	0200B5	0200058	mdR	1		60B0	Total s e/ overable
Selenium	020017		0200B5	0200016	mdR	1		60B0	Total s e/ overable
TVallium	0200045	I	0200010	0200B4	mdR	1		60B0	Total s e/ overable
Total DiAAolvej Solij A	48		520	520	mdR	1		Sh B540C	TotalRVN
CVlorij e	15		B20	124	mdR	1		Sh 4500 Cl- E	TotalRVN
Sulfate	30		B5	320	mdR	5		Sh 4500 SO4 E	TotalRVN
Fielj pH	5204				Sg	1		Fielj Samplind	TotalRVN

Client Sample ID: FB-01 — Lab Sample ID: 400-186948-14

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
NrAeni/	0200096	I	020B5	0200038	mdR	1		60B0	Total s e/ overable
. oron	0214		02010	0200076	mdR	1		60B0	Total s e/ overable

Method Summary

Client: Gulf Power Company
Proce/ tRSite: CCs Plant CriWf

Job ID: 400-186948-7
SDG: g pdraj ient

Method	Method Description	Protocol	Laboratory
60M0	(etalW)ICPR(ST	S2 846	AL E PNV
5450L	(er/ ury)C, L L T	S2 846	AL E PNV
S(Mv40C	Solij WfAotal DiWdlFej)ADST	S(	AL E PNV
S(4v00 Cl- N	CClorij ehAotal	S(	AL E PNV
S(4v00 3 C	3luorij e	S(	AL E PNV
S(4v00 S=4 N	SulfatehAotal	S(	AL E PNV
3ielj Samplind	3ielj Samplind	NPL	AL E PNV
700vL	L/ ij DideWfion of 2 aterWfor Aotal s e/ oFerable or DiWdlFej (etalW	S2 846	AL E PNV
5450L	Preparationh(er/ ury	S2 846	AL E PNV

Protocol References:

NPL U g S NnFironmental Prote/ tion L den/ y

S(U"Stanj arj (etCoj W3or ACe Nxamination = f 2 ater L nj 2 aWfewater"

S2 846 U"AeWf(etCoj W3or NFaluatind Solij 2 aWfehPOyWf alRCCemi/ al (etCoj WfhACrj Nj itionhVoFember 1986 L nj ItWg pj ateW

Laboratory References:

AL E PNV U NurofinWAeWfL meri/ ahPenWa/ olah77vv (/ Eemore DriFehPenWa/ olah3E 7Mv14hANE)8v0T454-1001

Sample Summary

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

Job ID: 400-186948-3
SDG: Upgradient

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-186948-9	MW-202	Water	04/17/20 08:45	04/18/20 11:07	
400-186948-10	MW-203	Water	04/17/20 11:10	04/18/20 11:07	
400-186948-11	MW-204	Water	04/17/20 12:20	04/18/20 11:07	
400-186948-12	MW-205	Water	04/17/20 13:05	04/18/20 11:07	
400-186948-13	DUP-02	Water	04/17/20 10:10	04/18/20 11:07	
400-186948-14	FB-01	Water	04/17/20 08:40	04/18/20 11:07	

Client Sample Results

Client: Gulf Power Company
Proce/ tRSite: CCs Plant CriAt

Job ID: 400-186948-7
SDG: g pdraj ient

Client Sample ID: MW-202

Date Collected: 04/17/20 08:45
Date Received: 04/18/20 11:07

Lab Sample ID: 400-186948-9

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
. ntimony	0300070	g	0300UU0	0300070	mdR5		04R18RL0 14:12	04R1RL0 18:11	1
. rAeni/	0300028	g	0300LU	0300028	mdR5		04R18RL0 14:12	04R1RL0 18:11	1
Barium	**0.042**		0300UU0	0300014	mdR5		04R18RL0 14:12	04R1RL0 18:11	1
Beryllium	**0.000067**	**I**	0300UU0	0300074	mdR5		04R18RL0 14:12	04R1RL0 18:11	1
Boron	**0.16**		03010	0300076	mdR5		04R18RL0 14:12	04R7RL0 1U:UL	1
Caj mium	0300UU6	g	0300UU0	0300UU6	mdR5		04R18RL0 14:12	04R1RL0 18:11	1
Calcium	**7.2**		030U0	030LU	mdR5		04R18RL0 14:12	04R1RL0 18:11	1
Chromium	**0.00023**	**I**	0300UU0	0300UL0	mdR5		04R18RL0 14:12	04R1RL0 18:11	1
Cobalt	**0.0015**		0300UU0	0300011	mdR5		04R18RL0 14:12	04R1RL0 18:11	1
Lead	**0.00031**		0300LU	0300UU8	mdR5		04R18RL0 14:12	04R1RL0 18:11	1
Lithium	**0.00064**	**I**	03010	0300078	mdR5		04R18RL0 14:12	04R1RL0 18:11	1
h olybj enum	0300090	g	0300070	0300090	mdR5		04R18RL0 14:12	04R1RL0 18:11	1
Selenium	**0.00066**		0300LU	0300016	mdR5		04R18RL0 14:12	04R1RL0 18:11	1
MFallium	0300UL4	g	0300010	0300UL4	mdR5		04R18RL0 14:12	04R1RL0 18:11	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00055**		0300L0	0300020	mdR5		04R70RL0 08:L4	04R70RL0 17:L1	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**110**		U30	U30	mdR5			04R7RL0 1U:00	1
Chloride	**15**		L30	134	mdR5			04R2RL0 10:1U	1
Eluorij e	0307L	g	0310	0307L	mdR5			04RURL0 1U:U9	1
Sulfate	**25**		U30	134	mdR5			04R7RL0 1L:U0	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.62**				Sg			04R2RL0 08:4U	1

Client Sample Results

Client: Gulf Power Company
Proce/ tRSite: CCs Plant CriAt

Job ID: 400-186948-7
SDG: g pdraj ient

Client Sample ID: MW-203

Date Collected: 04/17/20 11:10
Date Received: 04/18/20 11:07

Lab Sample ID: 400-186948-10

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
. ntimony	03 00070	g	03 000U0	03 00070	mdR5		04R18R20 14:12	04R21R20 18:1U	1
Arsenic	**0.000083**	**I**	03 000LU	03 000028	mdR5		04R18R20 14:12	04R21R20 18:1U	1
Barium	**0.026**		03 000U0	03 00014	mdR5		04R18R20 14:12	04R21R20 18:1U	1
Beryllium	**0.000040**	**I**	03 000U0	03 000074	mdR5		04R18R20 14:12	04R21R20 18:1U	1
Boron	**0.45**		03 010	03 0076	mdR5		04R18R20 14:12	04R27R20 1U:UU	1
Caj mium	03 0000U6	g	03 000U0	03 0000U6	mdR5		04R18R20 14:12	04R21R20 18:1U	1
Calcium	**28**		03 0U0	03 0LU	mdR5		04R18R20 14:12	04R21R20 18:1U	1
CFromium	03 000L0	g	03 000U0	03 000L0	mdR5		04R18R20 14:12	04R21R20 18:1U	1
Cobalt	**0.0010**		03 000U0	03 00011	mdR5		04R18R20 14:12	04R21R20 18:1U	1
Lead	**0.00015**	**I**	03 000LU	03 0000U8	mdR5		04R18R20 14:12	04R21R20 18:1U	1
5itFium	03 00078	g	03 0010	03 00078	mdR5		04R18R20 14:12	04R21R20 18:1U	1
h olybj enum	03 00090	g	03 0070	03 00090	mdR5		04R18R20 14:12	04R21R20 18:1U	1
Selenium	**0.0014**		03 000LU	03 00016	mdR5		04R18R20 14:12	04R21R20 18:1U	1
Thallium	**0.000043**	**I**	03 00010	03 0000L4	mdR5		04R18R20 14:12	04R21R20 18:1U	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
h er/ ury	03 000020	g	03 000L0	03 000020	mdR5		04R20R20 08:L4	04R20R20 17:L7	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**100**		U30	U30	mdR5			04R27R20 1U:00	1
Chloride	**15**		L30	134	mdR5			04R22R20 10:1U	1
Eluorij e	0307L	g	0310	0307L	mdR5			04RUR20 16:07	1
Sulfate	**69**		LU	230	mdR5			04R27R20 1L:U2	U

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.04**				Sg			04R12R20 11:10	1

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Client Sample Results

Client: Gulf Power Company
Proce/ tRSite: CCs Plant CriAt

Job ID: 400-186948-7
SDG: g pdraj ient

Client Sample ID: MW-204

Date Collected: 04/17/20 12:20
Date Received: 04/18/20 11:07

Lab Sample ID: 400-186948-11

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
. ntimony	0300070	g	0300UU0	0300070	mdR5		04R18R20 14:12	04R21R20 18:18	1
. rAeni/	0300028	g	0300LU	0300028	mdR5		04R18R20 14:12	04R21R20 18:18	1
Barium	**0.030**		0300U0	0300014	mdR5		04R18R20 14:12	04R21R20 18:18	1
Beryllium	**0.00054**		0300U0	0300074	mdR5		04R18R20 14:12	04R21R20 18:18	1
Boron	**4.3**		031.0	0302L	mdR5		04R18R20 14:12	04R27R20 1U:U9	L0
Caj mium	0300U6	g	0300U0	0300U6	mdR5		04R18R20 14:12	04R21R20 18:18	1
Calcium	**62**		030U0	030LU	mdR5		04R18R20 14:12	04R21R20 18:18	1
Chromium	**0.00049**	**I**	0300U0	0300L0	mdR5		04R18R20 14:12	04R21R20 18:18	1
Cobalt	**0.0088**		0300U0	0300011	mdR5		04R18R20 14:12	04R21R20 18:18	1
Lead	**0.0020**		0300LU	0300U8	mdR5		04R18R20 14:12	04R21R20 18:18	1
Lithium	**0.0014**		030010	0300078	mdR5		04R18R20 14:12	04R21R20 18:18	1
h olybj enum	0300090	g	030070	0300090	mdR5		04R18R20 14:12	04R21R20 18:18	1
Selenium	**0.0036**		0300LU	0300016	mdR5		04R18R20 14:12	04R21R20 18:18	1
Thallium	**0.00029**		030010	0300L4	mdR5		04R18R20 14:12	04R21R20 18:18	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00015**	**I**	0300L0	0300020	mdR5		04R20R20 08:L4	04R20R20 17:LU	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**530**		10	10	mdR5			04R27R20 1U:00	1
Chloride	**80**		430	L38	mdR5			04R22R20 10:40	L
Fluoride	**0.20**	**V**	0310	0307L	mdR5			04RUUR20 16:02	1
Sulfate	**320**		U0	14	mdR5			04R27R20 1L:U2	10

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.40**				Sg			04R22R20 1L:L0	1

Client Sample Results

Client: Gulf Power Company
Proce/ tRSite: CCs Plant CriAt

Job ID: 400-186948-7
SDG: g pdraj ient

Client Sample ID: MW-205

Date Collected: 04/17/20 13:05
Date Received: 04/18/20 11:07

Lab Sample ID: 400-186948-12

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
. ntimony	0300070	g	0300UO	0300070	mdR5		04R18RO 14:12	04R1RO 18:L1	1
Arsenic	**0.00015**	**I**	0300LU	0300028	mdR5		04R18RO 14:12	04R1RO 18:L1	1
Barium	**0.075**		0300UO	030014	mdR5		04R18RO 14:12	04R1RO 18:L1	1
Beryllium	**0.00013**	**I**	0300UO	0300074	mdR5		04R18RO 14:12	04R1RO 18:L1	1
Boron	**2.6**		0310	0376	mdR5		04R18RO 14:12	04R7RO 16:0L	10
Caj mium	0300006	g	0300UO	0300006	mdR5		04R18RO 14:12	04R1RO 18:L1	1
Calcium	**41**		030UO	030LU	mdR5		04R18RO 14:12	04R1RO 18:L1	1
Chromium	**0.00020**	**I**	0300UO	0300L0	mdR5		04R18RO 14:12	04R1RO 18:L1	1
Cobalt	**0.0017**		0300UO	030011	mdR5		04R18RO 14:12	04R1RO 18:L1	1
Lead	**0.00059**		0300LU	0300008	mdR5		04R18RO 14:12	04R1RO 18:L1	1
Lithium	**0.00074**	**I**	030010	030078	mdR5		04R18RO 14:12	04R1RO 18:L1	1
h olybj enum	0300090	g	030070	0300090	mdR5		04R18RO 14:12	04R1RO 18:L1	1
Selenium	**0.0013**		0300LU	0300016	mdR5		04R18RO 14:12	04R1RO 18:L1	1
Thallium	**0.000084**	**I**	030010	0300L4	mdR5		04R18RO 14:12	04R1RO 18:L1	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00012**	**I**	0300L0	0300020	mdR5		04R70RO 08:L4	04R70RO 17:L2	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**310**		U30	U30	mdR5			04R7RO 1U:00	1
Chloride	**64**		430	L38	mdR5			04R2RO 10:41	L
Fluoride	**0.040**	**I V**	0310	037L	mdR5			04RURO 16:11	1
Sulfate	**150**		LU	230	mdR5			04R7RO 17:00	U

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.95**				Sg			04R2RO 17:0U	1

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Client Sample Results

Client: Gulf Power Company
Proce/ tRSite: CCs Plant CriAt

Job ID: 400-186948-7
SDG: g pdraj ient

Client Sample ID: DUP-02
Date Collected: 04/17/20 10:10
Date Received: 04/18/20 11:07

Lab Sample ID: 400-186948-13
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
. ntimony	0300070	g	0300UU0	0300070	mdR5		04R18R20 14:12	04R21R20 18:LU	1
. rAeni/	0300028	g	0300LU	0300028	mdR5		04R18R20 14:12	04R21R20 18:LU	1
Barium	**0.026**		0300UU0	0300014	mdR5		04R18R20 14:12	04R21R20 18:LU	1
Beryllium	**0.000042**	**I**	0300UU0	0300074	mdR5		04R18R20 14:12	04R21R20 18:LU	1
Boron	**0.46**		03010	0300076	mdR5		04R18R20 14:12	04R27R20 16:0U	1
Caj mium	0300UU6	g	0300UU0	0300UU6	mdR5		04R18R20 14:12	04R21R20 18:LU	1
Calcium	**28**		030U0	030LU	mdR5		04R18R20 14:12	04R21R20 18:LU	1
CFromium	0300L0	g	0300UU0	0300L0	mdR5		04R18R20 14:12	04R21R20 18:LU	1
Cobalt	**0.0010**		0300UU0	0300011	mdR5		04R18R20 14:12	04R21R20 18:LU	1
Lead	**0.00016**	**I**	0300LU	0300UU8	mdR5		04R18R20 14:12	04R21R20 18:LU	1
5itFium	0300078	g	03010	0300078	mdR5		04R18R20 14:12	04R21R20 18:LU	1
h olybj enum	0300090	g	03070	0300090	mdR5		04R18R20 14:12	04R21R20 18:LU	1
Selenium	**0.0013**		0300LU	0300016	mdR5		04R18R20 14:12	04R21R20 18:LU	1
Thallium	**0.000045**	**I**	030010	0300UL4	mdR5		04R18R20 14:12	04R21R20 18:LU	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
h er/ ury	0300020	g	0300L0	0300020	mdR5		04R20R20 08:L4	04R20R20 17:L8	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**48**		U30	U30	mdR5			04R27R20 1U:00	1
Chloride	**15**		L30	134	mdR5			04R22R20 10:LL	1
Eluorij e	0307L	g	0310	0307L	mdR5			04RURR20 16:L0	1
Sulfate	**70**		LU	230	mdR5			04R27R20 17:00	U

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.04**				Sg			04R12R20 10:10	1

Client Sample Results

Client: Gulf Power Company
Proce/ tRSite: CCs Plant CriAt

Job ID: 400-186948-7
SDG: g pdraj ient

Client Sample ID: FB-01

Date Collected: 04/17/20 08:40
Date Received: 04/18/20 11:07

Lab Sample ID: 400-186948-14

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
. ntimony	0300070	g	0300UU0	0300070	mdR5		04R18R20 14:12	04R21R20 18:L8	1
Arsenic	**0.000096**	**I**	0300LU	0300028	mdR5		04R18R20 14:12	04R21R20 18:L8	1
Barium	0300014	g	0300UU0	0300014	mdR5		04R18R20 14:12	04R21R20 18:L8	1
Beryllium	03000074	g	0300UU0	03000074	mdR5		04R18R20 14:12	04R21R20 18:L8	1
Boron	**0.014**		03010	0300L6	mdR5		04R18R20 14:12	04R27R20 16:08	1
Caj mium	03000U6	g	0300UU0	03000U6	mdR5		04R18R20 14:12	04R21R20 18:L8	1
Cal/ ium	030LU	g	030U0	030LU	mdR5		04R18R20 14:12	04R21R20 18:L8	1
CFromium	0300L0	g	0300UU0	0300L0	mdR5		04R18R20 14:12	04R21R20 18:L8	1
Cobalt	0300011	g	0300UU0	0300011	mdR5		04R18R20 14:12	04R21R20 18:L8	1
5eaj	03000U8	g	0300LU	03000U8	mdR5		04R18R20 14:12	04R21R20 18:L8	1
5itFium	0300078	g	030010	0300078	mdR5		04R18R20 14:12	04R21R20 18:L8	1
h olybj enum	0300090	g	030070	0300090	mdR5		04R18R20 14:12	04R21R20 18:L8	1
Selenium	0300016	g	0300LU	0300016	mdR5		04R18R20 14:12	04R21R20 18:L8	1
MFallium	03000L4	g	0300010	03000L4	mdR5		04R18R20 14:12	04R21R20 18:L8	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
h er/ ury	0300020	g	0300L0	0300020	mdR5		04R7UR20 08:L4	04R7UR20 17:70	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motal DiAAolvej Solij A	U30	g	U30	U30	mdR5			04R27R20 1U:00	1
CFlorij e	134	g	L30	134	mdR5			04R22R20 10:LL	1
Eluorij e	0307L	g	0310	0307L	mdR5			04RLUR20 16:70	1
Sulfate	134	g	U30	134	mdR5			04R27R20 1L:U0	1

Qualifiers

Metals

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

General Chemistry

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

Glossary

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

Client Sample ID: MW-202

Date Collected: 04/17/20 08:45
Date Received: 04/18/20 11:07

Lab Sample ID: 400-186948-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			486354	04/18/20 14:17	NET	TAL PEN
Total Recoverable	Analysis	6020		1	486628	04/21/20 18:11	AW	TAL PEN
Total Recoverable	Prep	3005A			486354	04/18/20 14:17	NET	TAL PEN
Total Recoverable	Analysis	6020		1	486886	04/23/20 15:52	AW	TAL PEN
Total/NA	Prep	7470A			487398	04/30/20 08:24	JAP	TAL PEN
Total/NA	Analysis	7470A		1	487603	04/30/20 13:21	JAP	TAL PEN
Total/NA	Analysis	SM 2540C		1	486847	04/23/20 15:00	CLB	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	487120	04/27/20 10:15	HES	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	487045	04/25/20 15:59	MAF	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		1	486829	04/23/20 12:50	HES	TAL PEN
Total/NA	Analysis	Field Sampling		1	488336	04/17/20 08:45	MCS	TAL PEN

Client Sample ID: MW-203

Date Collected: 04/17/20 11:10
Date Received: 04/18/20 11:07

Lab Sample ID: 400-186948-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			486354	04/18/20 14:17	NET	TAL PEN
Total Recoverable	Analysis	6020		1	486628	04/21/20 18:15	AW	TAL PEN
Total Recoverable	Prep	3005A			486354	04/18/20 14:17	NET	TAL PEN
Total Recoverable	Analysis	6020		1	486886	04/23/20 15:55	AW	TAL PEN
Total/NA	Prep	7470A			487398	04/30/20 08:24	JAP	TAL PEN
Total/NA	Analysis	7470A		1	487603	04/30/20 13:23	JAP	TAL PEN
Total/NA	Analysis	SM 2540C		1	486847	04/23/20 15:00	CLB	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	487120	04/27/20 10:15	HES	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	487045	04/25/20 16:03	MAF	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		5	486829	04/23/20 12:57	HES	TAL PEN
Total/NA	Analysis	Field Sampling		1	488336	04/17/20 11:10	MCS	TAL PEN

Client Sample ID: MW-204

Date Collected: 04/17/20 12:20
Date Received: 04/18/20 11:07

Lab Sample ID: 400-186948-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			486354	04/18/20 14:17	NET	TAL PEN
Total Recoverable	Analysis	6020		1	486628	04/21/20 18:18	AW	TAL PEN
Total Recoverable	Prep	3005A			486354	04/18/20 14:17	NET	TAL PEN
Total Recoverable	Analysis	6020		20	486886	04/23/20 15:59	AW	TAL PEN
Total/NA	Prep	7470A			487398	04/30/20 08:24	JAP	TAL PEN
Total/NA	Analysis	7470A		1	487603	04/30/20 13:25	JAP	TAL PEN
Total/NA	Analysis	SM 2540C		1	486847	04/23/20 15:00	CLB	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		2	487120	04/27/20 10:40	HES	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	487045	04/25/20 16:07	MAF	TAL PEN

Client Sample ID: MW-204

Lab Sample ID: 400-186948-11

Date Collected: 04/17/20 12:20

Matrix: Water

Date Received: 04/18/20 11:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 SO4 E		10	486829	04/23/20 12:57	HES	TAL PEN
Total/NA	Analysis	Field Sampling		1	488336	04/17/20 12:20	MCS	TAL PEN

Client Sample ID: MW-205

Lab Sample ID: 400-186948-12

Date Collected: 04/17/20 13:05

Matrix: Water

Date Received: 04/18/20 11:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			486354	04/18/20 14:17	NET	TAL PEN
Total Recoverable	Analysis	6020		1	486628	04/21/20 18:21	AW	TAL PEN
Total Recoverable	Prep	3005A			486354	04/18/20 14:17	NET	TAL PEN
Total Recoverable	Analysis	6020		10	486886	04/23/20 16:02	AW	TAL PEN
Total/NA	Prep	7470A			487398	04/30/20 08:24	JAP	TAL PEN
Total/NA	Analysis	7470A		1	487603	04/30/20 13:27	JAP	TAL PEN
Total/NA	Analysis	SM 2540C		1	486847	04/23/20 15:00	CLB	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		2	487120	04/27/20 10:41	HES	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	487045	04/25/20 16:11	MAF	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		5	486829	04/23/20 13:00	HES	TAL PEN
Total/NA	Analysis	Field Sampling		1	488336	04/17/20 13:05	MCS	TAL PEN

Client Sample ID: DUP-02

Lab Sample ID: 400-186948-13

Date Collected: 04/17/20 10:10

Matrix: Water

Date Received: 04/18/20 11:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			486354	04/18/20 14:17	NET	TAL PEN
Total Recoverable	Analysis	6020		1	486628	04/21/20 18:25	AW	TAL PEN
Total Recoverable	Prep	3005A			486354	04/18/20 14:17	NET	TAL PEN
Total Recoverable	Analysis	6020		1	486886	04/23/20 16:05	AW	TAL PEN
Total/NA	Prep	7470A			487398	04/30/20 08:24	JAP	TAL PEN
Total/NA	Analysis	7470A		1	487603	04/30/20 13:28	JAP	TAL PEN
Total/NA	Analysis	SM 2540C		1	486847	04/23/20 15:00	CLB	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	487120	04/27/20 10:22	HES	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	487045	04/25/20 16:20	MAF	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		5	486829	04/23/20 13:00	HES	TAL PEN
Total/NA	Analysis	Field Sampling		1	488336	04/17/20 10:10	MCS	TAL PEN

Client Sample ID: FB-01

Lab Sample ID: 400-186948-14

Date Collected: 04/17/20 08:40

Matrix: Water

Date Received: 04/18/20 11:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			486354	04/18/20 14:17	NET	TAL PEN
Total Recoverable	Analysis	6020		1	486628	04/21/20 18:28	AW	TAL PEN

Lab Chronicle

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

Job ID: 400-186948-3
SDG: Upgradient

Client Sample ID: FB-01
Date Collected: 04/17/20 08:40
Date Received: 04/18/20 11:07

Lab Sample ID: 400-186948-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			486354	04/18/20 14:17	NET	TAL PEN
Total Recoverable	Analysis	6020		1	486886	04/23/20 16:08	AW	TAL PEN
Total/NA	Prep	7470A			487398	04/30/20 08:24	JAP	TAL PEN
Total/NA	Analysis	7470A		1	487603	04/30/20 13:30	JAP	TAL PEN
Total/NA	Analysis	SM 2540C		1	486847	04/23/20 15:00	CLB	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	487120	04/27/20 10:22	HES	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	487045	04/25/20 16:30	MAF	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		1	486829	04/23/20 12:50	HES	TAL PEN

Laboratory References:

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

Metals

Prep Batch: 486394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186948-9	MW-202	Total Recoverable	Water	3005A	
400-186948-10	MW-203	Total Recoverable	Water	3005A	
400-186948-11	MW-204	Total Recoverable	Water	3005A	
400-186948-12	MW-205	Total Recoverable	Water	3005A	
400-186948-13	DUP-02	Total Recoverable	Water	3005A	
400-186948-14	FB-01	Total Recoverable	Water	3005A	
MB 400-486354/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 400-486354/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
400-186932-J-4-B MS	Matrix Spike	Dissolved	Water	3005A	
400-186932-J-4-C MSD	Matrix Spike Duplicate	Dissolved	Water	3005A	

Analysis Batch: 4866F8

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186948-9	MW-202	Total Recoverable	Water	6020	486354
400-186948-10	MW-203	Total Recoverable	Water	6020	486354
400-186948-11	MW-204	Total Recoverable	Water	6020	486354
400-186948-12	MW-205	Total Recoverable	Water	6020	486354
400-186948-13	DUP-02	Total Recoverable	Water	6020	486354
400-186948-14	FB-01	Total Recoverable	Water	6020	486354
MB 400-486354/1-A	Method Blank	Total Recoverable	Water	6020	486354
LCS 400-486354/2-A	Lab Control Sample	Total Recoverable	Water	6020	486354
400-186932-J-4-B MS	Matrix Spike	Dissolved	Water	6020	486354
400-186932-J-4-C MSD	Matrix Spike Duplicate	Dissolved	Water	6020	486354

Analysis Batch: 486886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186948-9	MW-202	Total Recoverable	Water	6020	486354
400-186948-10	MW-203	Total Recoverable	Water	6020	486354
400-186948-11	MW-204	Total Recoverable	Water	6020	486354
400-186948-12	MW-205	Total Recoverable	Water	6020	486354
400-186948-13	DUP-02	Total Recoverable	Water	6020	486354
400-186948-14	FB-01	Total Recoverable	Water	6020	486354

Prep Batch: 485328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186948-9	MW-202	Total/NA	Water	7470A	
400-186948-10	MW-203	Total/NA	Water	7470A	
400-186948-11	MW-204	Total/NA	Water	7470A	
400-186948-12	MW-205	Total/NA	Water	7470A	
400-186948-13	DUP-02	Total/NA	Water	7470A	
400-186948-14	FB-01	Total/NA	Water	7470A	
MB 400-487398/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-487398/15-A	Lab Control Sample	Total/NA	Water	7470A	
400-187034-H-8-C MS	Matrix Spike	Total/NA	Water	7470A	
400-187034-H-8-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 485603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186948-9	MW-202	Total/NA	Water	7470A	487398
400-186948-10	MW-203	Total/NA	Water	7470A	487398
400-186948-11	MW-204	Total/NA	Water	7470A	487398

Metals (Continued)

Analysis Batch: 485603 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186948-12	MW-205	Total/NA	Water	7470A	487398
400-186948-13	DUP-02	Total/NA	Water	7470A	487398
400-186948-14	FB-01	Total/NA	Water	7470A	487398
MB 400-487398/14-A	Method Blank	Total/NA	Water	7470A	487398
LCS 400-487398/15-A	Lab Control Sample	Total/NA	Water	7470A	487398
400-187034-H-8-C MS	Matrix Spike	Total/NA	Water	7470A	487398
400-187034-H-8-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	487398

General Chemistry

Analysis Batch: 4868F2

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186948-9	MW-202	Total/NA	Water	SM 4500 SO4 E	
400-186948-10	MW-203	Total/NA	Water	SM 4500 SO4 E	
400-186948-11	MW-204	Total/NA	Water	SM 4500 SO4 E	
400-186948-12	MW-205	Total/NA	Water	SM 4500 SO4 E	
400-186948-13	DUP-02	Total/NA	Water	SM 4500 SO4 E	
400-186948-14	FB-01	Total/NA	Water	SM 4500 SO4 E	
MB 400-486829/29	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-486829/30	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-486829/15	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-186948-A-5 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
400-186948-A-5 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 486845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186948-9	MW-202	Total/NA	Water	SM 2540C	
400-186948-10	MW-203	Total/NA	Water	SM 2540C	
400-186948-11	MW-204	Total/NA	Water	SM 2540C	
400-186948-12	MW-205	Total/NA	Water	SM 2540C	
400-186948-13	DUP-02	Total/NA	Water	SM 2540C	
400-186948-14	FB-01	Total/NA	Water	SM 2540C	
MB 400-486847/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-486847/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-186948-12 DU	MW-205	Total/NA	Water	SM 2540C	
400-186948-A-4 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 485049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186948-9	MW-202	Total/NA	Water	SM 4500 F C	
400-186948-10	MW-203	Total/NA	Water	SM 4500 F C	
400-186948-11	MW-204	Total/NA	Water	SM 4500 F C	
400-186948-12	MW-205	Total/NA	Water	SM 4500 F C	
400-186948-13	DUP-02	Total/NA	Water	SM 4500 F C	
400-186948-14	FB-01	Total/NA	Water	SM 4500 F C	
MB 400-487045/4	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-487045/6	Lab Control Sample	Total/NA	Water	SM 4500 F C	
400-186948-13 MS	DUP-02	Total/NA	Water	SM 4500 F C	
400-186948-13 MSD	DUP-02	Total/NA	Water	SM 4500 F C	
400-186948-A-3 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
400-186948-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	

General Chemistry

Analysis Batch: 485(F0

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186948-9	MW-202	Total/NA	Water	SM 4500 Cl- E	
400-186948-10	MW-203	Total/NA	Water	SM 4500 Cl- E	
400-186948-11	MW-204	Total/NA	Water	SM 4500 Cl- E	
400-186948-12	MW-205	Total/NA	Water	SM 4500 Cl- E	
400-186948-13	DUP-02	Total/NA	Water	SM 4500 Cl- E	
400-186948-14	FB-01	Total/NA	Water	SM 4500 Cl- E	
MB 400-487120/6	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-487120/7	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-487120/3	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-186893-A-1 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- E	
400-186893-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- E	
400-186948-10 MS	MW-203	Total/NA	Water	SM 4500 Cl- E	
400-186948-10 MSD	MW-203	Total/NA	Water	SM 4500 Cl- E	

) ield Service / Mobile Lab

Analysis Batch: 488336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186948-9	MW-202	Total/NA	Water	Field Sampling	
400-186948-10	MW-203	Total/NA	Water	Field Sampling	
400-186948-11	MW-204	Total/NA	Water	Field Sampling	
400-186948-12	MW-205	Total/NA	Water	Field Sampling	
400-186948-13	DUP-02	Total/NA	Water	Field Sampling	

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 400-486354/1-A
Matrix: Water
Analysis Batch: 486628

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 486354

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
. ntimony	0300070	g	03000U0	0300070	mdR5		04R18R20 14:12	04R21R20 1L:74	1
. rAeni/	03000028	g	03000LU	03000028	mdR5		04R18R20 14:12	04R21R20 1L:74	1
Barium	0300014	g	03000U0	0300014	mdR5		04R18R20 14:12	04R21R20 1L:74	1
Beryllium	03000074	g	03000U0	03000074	mdR5		04R18R20 14:12	04R21R20 1L:74	1
Boron	030076	g	03010	030076	mdR5		04R18R20 14:12	04R21R20 1L:74	1
Caj mium	030000U6	g	03000U0	030000U6	mdR5		04R18R20 14:12	04R21R20 1L:74	1
Cal/ ium	030LU	g	030U0	030LU	mdR5		04R18R20 14:12	04R21R20 1L:74	1
Chromium	03000L0	g	03000U0	03000L0	mdR5		04R18R20 14:12	04R21R20 1L:74	1
Cobalt	0300011	g	03000U0	0300011	mdR5		04R18R20 14:12	04R21R20 1L:74	1
5eaj	030000U8	g	03000LU	030000U8	mdR5		04R18R20 14:12	04R21R20 1L:74	1
5ithium	0300078	g	030010	0300078	mdR5		04R18R20 14:12	04R21R20 1L:74	1
Molybj enum	0300090	g	030070	0300090	mdR5		04R18R20 14:12	04R21R20 1L:74	1
Selenium	0300016	g	03000LU	0300016	mdR5		04R18R20 14:12	04R21R20 1L:74	1
Thallium	030000L4	g	0300010	030000L4	mdR5		04R18R20 14:12	04R21R20 1L:74	1

Lab Sample ID: LCS 400-486354/2-A
Matrix: Water
Analysis Batch: 486628

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 486354

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
. ntimony	030U00	030UU1		mdR5		110	80 - 1L0
. rAeni/	030U00	030ULL		mdR5		104	80 - 1L0
Barium	030U00	030ULL		mdR5		104	80 - 1L0
Beryllium	030U00	030U1L		mdR5		10L	80 - 1L0
Boron	03100	0310L		mdR5		10L	80 - 1L0
Caj mium	030U00	030U7L		mdR5		106	80 - 1L0
Cal/ ium	U300	4397		mdR5		99	80 - 1L0
Chromium	030U00	030UL0		mdR5		104	80 - 1L0
Cobalt	030U00	030U18		mdR5		104	80 - 1L0
5eaj	030U00	030U14		mdR5		107	80 - 1L0
5ithium	030U00	030U0U		mdR5		101	80 - 1L0
Molybj enum	030U00	030U74		mdR5		102	80 - 1L0
Selenium	030U00	030U0L		mdR5		100	80 - 1L0
Thallium	030100	030104		mdR5		104	80 - 1L0

Lab Sample ID: 400-186932-J-4-B MS
Matrix: Water
Analysis Batch: 486628

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 486354

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
. ntimony	0300040	I	030U00	030U60		mdR5		111	2U - 1LU
. rAeni/	030048		030U00	030U26		mdR5		106	2U - 1LU
Barium	0314		030U00	03190		mdR5		9U	2U - 1LU
Beryllium	03000074	g	030U00	030U44		mdR5		109	2U - 1LU
Caj mium	030000U6	g	030U00	030U70		mdR5		106	2U - 1LU
Cal/ ium	1L0		U300	1L0	J7	mdR5		17	2U - 1LU
Chromium	0300L4		030U00	030UL8		mdR5		101	2U - 1LU
Cobalt	0300079	I	030U00	030U00		mdR5		99	2U - 1LU
5eaj	03000L2		030U00	030U10		mdR5		10L	2U - 1LU

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

Lab Sample ID: 400-186932-J-4-B MS
Matrix: Water
Analysis Batch: 486628

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 486354

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
5ithium	03018		030U00	030201		mdR5		10U	2U - 1LU
Molybj enum	030071		030U00	030UUL		mdR5		104	2U - 1LU
Selenium	03019		030U00	030666		mdR5		96	2U - 1LU
Thallium	030000L4	g	030100	030107		mdR5		107	2U - 1LU

Lab Sample ID: 400-186932-J-4-C MSD
Matrix: Water
Analysis Batch: 486628

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 486354

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
. ntimony	030040	I	030U00	030U81		mdR5		11U	2U - 1LU	4	L0
. rAeni/	030048		030U00	030U29		mdR5		106	2U - 1LU	1	L0
Barium	0314		030U00	03196		mdR5		102	2U - 1LU	7	L0
Beryllium	030000?4	g	030U00	030U6L		mdR5		11L	2U - 1LU	7	L0
Caj mium	030000U6	g	030U00	030U7L		mdR5		106	2U - 1LU	0	L0
Cal/ ium	1L0		U300	1L2	J7	mdR5		1U4	2U - 1LU	6	L0
Chromium	0300L4		030U00	030U47		mdR5		104	2U - 1LU	7	L0
Cobalt	030079	I	030U00	030UL0		mdR5		107	2U - 1LU	4	L0
5eaj	030000L2		030U00	030UL9		mdR5		10U	2U - 1LU	4	L0
5ithium	03018		030U00	0302LU		mdR5		109	2U - 1LU	7	L0
Molybj enum	030071		030U00	030U62		mdR5		102	2U - 1LU	7	L0
Selenium	03019		030U00	03069U		mdR5		10L	2U - 1LU	4	L0
Thallium	030000L4	g	030100	030100		mdR5		10U	2U - 1LU	L	L0

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 400-487398/14-A
Matrix: Water
Analysis Batch: 487603

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 487398

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mer/ ury	030000020	g	030000L0	030000020	mdR5		04R70RL0 08:L4	04R70RL0 1L:40	1

Lab Sample ID: LCS 400-487398/15-A
Matrix: Water
Analysis Batch: 487603

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 487398

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mer/ ury	030L0101	030L0098U		mdR5		98	80 - 1L0

Lab Sample ID: 400-187034-H-8-C MS
Matrix: Water
Analysis Batch: 487603

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 487398

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mer/ ury	030000020	g	030L0L01	030L0L01		mdR5		100	80 - 1L0

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

Lab Sample ID: 400-187034-H-8-D MSD
Matrix: Water
Analysis Batch: 487603

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 487398

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mer/ ury	03000020	g	0300L01	0300L0L		mdR5		100	80 - 1L0	0	L0

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

Lab Sample ID: MB 400-486847/1
Matrix: Water
Analysis Batch: 486847

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total DiAAolVej Solij A	U30	g	U30	U30	mdR5			04R.7R.0 1U:00	1

Lab Sample ID: LCS 400-486847/2
Matrix: Water
Analysis Batch: 486847

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total DiAAolVej Solij A	L97	L24		mdR5		94	28 - 1LL

Lab Sample ID: 400-186948-12 DU
Matrix: Water
Analysis Batch: 486847

Client Sample ID: MW-205
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total DiAAolVej Solij A	710		708		mdR5		0	U

Lab Sample ID: 400-186948-A-4 DU
Matrix: Water
Analysis Batch: 486847

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total DiAAolVej Solij A	180		L68	J7	mdR5		41	U

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-487120/6
Matrix: Water
Analysis Batch: 487120

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorij e	134	g	L30	134	mdR5			04R.2R.0 10:1L	1

Lab Sample ID: LCS 400-487120/7
Matrix: Water
Analysis Batch: 487120

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorij e	7030	L938		mdR5		99	90 - 110

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

Lab Sample ID: MRL 400-487120/3
Matrix: Water
Analysis Batch: 487120

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Chlorij e			L300	L310		mdR5		10U	U0 - 1U0		

Lab Sample ID: 400-186893-A-1 MS
Matrix: Water
Analysis Batch: 487120

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		
Chlorij e	631		1030	1831		mdR5		119	27 - 1L0		

Lab Sample ID: 400-186893-A-1 MSD
Matrix: Water
Analysis Batch: 487120

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
Chlorij e	631		1030	123L		mdR5		111	27 - 1L0	U	8

Lab Sample ID: 400-186948-10 MS
Matrix: Water
Analysis Batch: 487120

Client Sample ID: MW-203
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chlorij e	1U		1030	L43U		mdR5		91	27 - 1L0		

Lab Sample ID: 400-186948-10 MSD
Matrix: Water
Analysis Batch: 487120

Client Sample ID: MW-203
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorij e	1U		1030	L43L		mdR5		88	27 - 1L0	1	8

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-487045/4
Matrix: Water
Analysis Batch: 487045

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
vluorij e	03600	I	0310	0307L	mdR5			04RLURL0 1U:1L	1

Lab Sample ID: LCS 400-487045/6
Matrix: Water
Analysis Batch: 487045

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
vluorij e			4300	7391		mdR5		98	90 - 110		

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: 400-186948-13 MS
Matrix: Water
Analysis Batch: 487045

Client Sample ID: DUP-02
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
vluorij e	0307L	g	1300	0900		mdR5		90	2U- 1LU

Lab Sample ID: 400-186948-13 MSD
Matrix: Water
Analysis Batch: 487045

Client Sample ID: DUP-02
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
vluorij e	0307L	g	1300	0880		mdR5		88	2U- 1LU	L	4

Lab Sample ID: 400-186948-A-3 MS
Matrix: Water
Analysis Batch: 487045

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
vluorij e	0370	F	1300	130U		mdR5		2U	2U- 1LU

Lab Sample ID: 400-186948-A-3 MSD
Matrix: Water
Analysis Batch: 487045

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
vluorij e	0370	F	1300	1301	J7	mdR5		21	2U- 1LU	4	4

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-486829/29
Matrix: Water
Analysis Batch: 486829

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	134	g	U30	134	mdR5			04R.7R.0 1L:U1	1

Lab Sample ID: LCS 400-486829/30
Matrix: Water
Analysis Batch: 486829

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	1U30	143U		mdR5		92	90 - 110

Lab Sample ID: MRL 400-486829/15
Matrix: Water
Analysis Batch: 486829

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	U300	4361	I	mdR5		9L	U0 - 1U0

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

Lab Sample ID: 400-186948-A-5 MS
Matrix: Water
Analysis Batch: 486829

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	134	g	1030	836	L	mdR5		86	22 - 1L8		
Sulfate	134	g	1030	836	L	mdR5		86	22 - 1L8		

Lab Sample ID: 400-186948-A-5 MSD
Matrix: Water
Analysis Batch: 486829

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	134	g	1030	829		mdR5		88	22 - 1L8	L	U
Sulfate	134	g	1030	829		mdR5		88	22 - 1L8	L	U

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

Chain of Custody Record

UPGR
400-186948-3, -4

eurofins Environment Testing TestAmerica

Client Information	Sampler: Philip Evans / Trevor Bradford	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-93953-34082.1
Client Contact: Mr. Mike Markey	Phone: 850-336-0192	E-Mail: cheyenne.whitmire@testamericainc.com		Page: Page 1 of 1
Company: Gulf Power Company				Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520				
Phone: 850-444-6573(Tel)	PO #: Purchase Order not required			
Email: richard.markey@nexteraenergy.com	WO #:			
Project Name: CCR Plant Crist	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N	D	N	N		
MW-202	4/17/20	0845	G	Water			X	X		X	X	X		
MW-203		1110		Water										
MW-204		1220		Water										
MW-205		1305		Water										
DUP-02		1010		Water										
FB-01	4/17/20	0840	G	Water			X	X		X	X	X		

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/18/20 1107	RDH		4/18/20 1107	FTL
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.5C, 0.8C, 1.3C, 0.5C IR7

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 400-186948-3
SDG Number: Upgradient

Login Number: 186948
List Number: 1
Creator: Hinrichsen, Megan E

List Source: Eurofins TestAmerica, 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.	True	
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	2.5°C, 0.8°C, 1.3°C, 0.5°C IR-7; 0.0 °C,0.0 °C, 2.3°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: Gulf Power Company
Project/Site: CCR Plant Crist

Job ID: 400-186948-3
SDG: Bpkragient

Laboratory: Eurofins TestAmerica, Pensacola

dll accregitations/certifications Aelg by tAis laboratory are listegh . ot all accregitations/certifications are applicable to tAis reporth

Authority	Program	Identification Number	Expiration Date
dlabama	State	401N0	05-01-70
d. d2	ISO/IEC 1507N	L7451	07-73-73
drizona	State	dZ0510	01-13-71
drQansas DEF	State	88-0689	09-01-70
California	State	7N10	06-30-70
(loriga	. ELdP	E81010	06-30-70
Georkia	State	E81010)(LK	06-30-70
Illinois	. ELdP	004N86	10-09-70
Iowa	State	365	08-01-70
Uansas	. ELdP	E-107N3	08-16-70
UentucQy)BSTK	State	N3	06-30-70
UentucQy)WWK	State	UY98030	17-31-70
Louisiana	. ELdP	30956	06-30-70
Louisiana)DWK	State	Ld015	17-31-70
Marylang	State	733	09-30-70
MassacAusetts	State	M-(L094	06-30-70
MicAikan	State	9917	0N-06-70
Minnesota	. ELdP	017-999-481	17-31-70
. ew Jersey	. ELdP	(L006	06-30-70
. ew YorQ	. ELdP	1711N	04-01-71
. ortA Carolina)WW/SWK	State	314	17-31-70
OQaAoma	State	9810-186	08-31-70
Pennsylvania	. ELdP	68-00465	01-31-71
RAoge Islang	State	LdO00305	17-30-70
SoutA Carolina	State	96076007	06-30-70
Tennessee	State	T. 07905	06-30-70
Texas	. ELdP	T104504786	09-30-70
BS (isA & Wilglife	BS (egeral Prokrams	0N8448	05-31-70
BSDd	BS (egeral Prokrams	P330-18-00148	0N-15-71
Virkinia	. ELdP	460166	06-14-70
WasAinkton	State	C91N	0N-1N-70
West Virkinia DEP	State	136	06-30-70

eurofins | Environment Testing America



ANALYTICAL REPORT

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

Laboratory Job ID: 400-186948-4
Laboratory Sample Delivery Group: Upgradient
Client Project/Site: CCR Plant Crist

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

Attn: Mr. Mike Markey

Cheyenne R Whitmire

Authorized for release by:
5/27/2020 8:26:22 PM

Cheyenne Whitmire, Project Manager II
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LINKS

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The test results in this report meet all 2003 NELAC and 2009 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.

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Job ID: 400-186948-4

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-186948-4

RAD

Method 9315: Radium-226 Prep Batch 160-468595. Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. MW-202 (400-186948-9), MW-203 (400-186948-10), MW-204 (400-186948-11), MW-205 (400-186948-12), DUP-02 (400-186948-13), FB-01 (400-186948-14), (LCS 160-468595/1-A), (LCSD 160-468595/2-A) and (MB 160-468595/23-A)

Method 9320: Ra-228 Prep Batch 160-468597. Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. MW-202 (400-186948-9), MW-203 (400-186948-10), MW-204 (400-186948-11), MW-205 (400-186948-12), DUP-02 (400-186948-13), FB-01 (400-186948-14), (LCS 160-468597/1-A), (LCSD 160-468597/2-A) and (MB 160-468597/23-A)

Method PrecSep_0: Radium 228 Prep Batch 160-468597. Insufficient sample volume was available to perform a sample duplicate for the following samples: MW-202 (400-186948-9), MW-203 (400-186948-10), MW-204 (400-186948-11), MW-205 (400-186948-12), DUP-02 (400-186948-13) and FB-01 (400-186948-14). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep-21: Radium 226 Prep Batch 160-468595. Insufficient sample volume was available to perform a sample duplicate for the following samples: MW-202 (400-186948-9), MW-203 (400-186948-10), MW-204 (400-186948-11), MW-205 (400-186948-12), DUP-02 (400-186948-13) and FB-01 (400-186948-14). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method Summary

Client: Gulf Power Company
Proce/ tRSite: CCs Plant CriW

Job ID: 400-186948-4
SDG: g pdraj ient

Method	Method Description	Protocol	Laboratory
9512	s aj ium-((6 FG) PCT	S3 846	AL_ S_
95(0	s aj ium-((8 FG) PCT	S3 846	AL_ S_
s a((6Ns a((8	Combinej s aj ium-((6 anj s aj ium-((8	AL_-SA_	AL_ S_
Pre/ SepN0	PreparationhPre/ ipitate Separation	, one	AL_ S_
Pre/ Sep-(1	PreparationhPre/ ipitate Separation F(1-Day In-Growt=T	, one	AL_ S_

Protocol References:

, one " , one

S3 846 " MAeW E et=oj W) or v Ualuatind Solij 3 aWehP=yW/ alRC=emi/ al E et=oj WmA=irj v j itionh, oUember 1986 L nj ItWg pj ateW

AL_-SA_ " AeWL meri/ a _aboratorieWhSt. _ouiWh) a/ ility Stanj arj Operatind Pro/ ej ure.

Laboratory References:

AL_ S_ " v urofinWAeWL meri/ ahSt. _ouiWh15712 s ij er Arail , ort=hv art= CityhE O 65042hAv _ F514T(98-8266

Sample Summary

3 0t en t G0f oPi w3 or mpea
f wodl j noy ln i : 3 3 / f 0en3 wRn

Job ID: 400-186948-4
y Dt : SmUwpgli en

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-186948-9	s M-W0W	Mpri w	04c12dV0 08:47	04c18dV0 11:02	
400-186948-10	s M-W05	Mpri w	04c12dV0 11:10	04c18dV0 11:02	
400-186948-11	s M-W04	Mpri w	04c12dV0 1WW0	04c18dV0 11:02	
400-186948-1W	s M-W07	Mpri w	04c12dV0 15:07	04c18dV0 11:02	
400-186948-15	DSf -0W	Mpri w	04c12dV0 10:10	04c18dV0 11:02	
400-186948-14	FB-01	Mpri w	04c12dV0 08:40	04c18dV0 11:02	

EGwoueRTi RnAr i wj p, f i eRpj o0

Client Sample Results

Client: Gulf Power Company
Proce/ tRSite: CCs Plant Cri. t

Job ID: 400-186948-4
SDG: g pdraj ient

Client Sample ID: MW-202
Date Collected: 04/17/20 08:45
Date Received: 04/18/20 11:07

Lab Sample ID: 400-186948-9
Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.02		021E7	02195	1200	02DEE6	pCiR3	04R7R70 11:L0	05R4R70 09:79	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.3*		*40 - 110*	*04/22/20 11:30*	*05/14/20 09:29*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.573		027E8	0278L	1200	0240E	pCiR3	04R7R70 11:50	05R5R70 19:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.3*		*40 - 110*	*04/22/20 11:50*	*05/05/20 19:12*	*1*
Y Carrier	*89.0*		*40 - 110*	*04/22/20 11:50*	*05/05/20 19:12*	*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	1.59		021.7E	021.44	5200	0240E	pCiR3		05R4R70 17:45	1

Client Sample Results

Client: Gulf Power Company
Proce/ tRSite: CCs Plant Cri. t

Job ID: 400-186948-4
SDG: g pdraj ient

Client Sample ID: MW-203
Date Collected: 04/17/20 11:10
Date Received: 04/18/20 11:07

Lab Sample ID: 400-186948-10
Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.889		02164	02187	1200	02E71	pCiR3	04R7R70 11:L0	05R14R70 09:79	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.2*		*40 - 110*	*04/22/20 11:30*	*05/14/20 09:29*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.32		021.95	02450	1200	021.81	pCiR3	04R7R70 11:50	05R05R70 19:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.2*		*40 - 110*	*04/22/20 11:50*	*05/05/20 19:12*	*1*
Y Carrier	*88.6*		*40 - 110*	*04/22/20 11:50*	*05/05/20 19:12*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	3.21		02478	02485	5200	021.81	pCiR3		05R14R70 17:45	1

Client: Gulf Power Company
Proce/ tRSite: CCs Plant Cri. t

Job ID: 400-186948-4
SDG: g pdraj ient

Client Sample ID: MW-204
Date Collected: 04/17/20 12:20
Date Received: 04/18/20 11:07

Lab Sample ID: 400-186948-11
Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.12		02184	02709	1200	02804	pCiR3	04R7R70 11:L0	05R14R70 09:79	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.9*		*40 - 110*	*04/22/20 11:30*	*05/14/20 09:29*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	8.78		026EL	1205	1200	0240E	pCiR3	04R7R70 11:50	05R05R70 19:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.9*		*40 - 110*	*04/22/20 11:50*	*05/05/20 19:12*	*1*
Y Carrier	*90.1*		*40 - 110*	*04/22/20 11:50*	*05/05/20 19:12*	*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	9.90		02698	120E	5200	0240E	pCiR3		05R14R70 17:45	1

Client Sample Results

Client: Gulf Power Company
Proce/ tRSite: CCs Plant Cri. t

Job ID: 400-186948-4
SDG: g pdraj ient

Client Sample ID: MW-205
Date Collected: 04/17/20 13:05
Date Received: 04/18/20 11:07

Lab Sample ID: 400-186948-12
Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.42		02705	02741	1200	02DE90	pCiR3	04R7R70 11:L0	05R4R70 09:79	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.1*		*40 - 110*	*04/22/20 11:30*	*05/14/20 09:29*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.33		021.47	021.64	1200	02476	pCiR3	04R7R70 11:50	05R5R70 19:1L	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.1*		*40 - 110*	*04/22/20 11:50*	*05/05/20 19:13*	*1*
Y Carrier	*89.0*		*40 - 110*	*04/22/20 11:50*	*05/05/20 19:13*	*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	2.75		021.99	024LE	5200	02476	pCiR3		05R4R70 17:45	1

Client Sample ID: DUP-02
Date Collected: 04/17/20 10:10
Date Received: 04/18/20 11:07

Lab Sample ID: 400-186948-13
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	1.09		02190	02714	1200	02888	pCiR3	04R7R20 11:L0	05R4R20 09:L0	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.0*		*40 - 110*	*04/22/20 11:30*	*05/14/20 09:30*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.38		0248L	025E5	1200	024L4	pCiR3	04R7R20 11:50	05R5R20 19:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.0*		*40 - 110*	*04/22/20 11:50*	*05/05/20 19:15*	*1*
Y Carrier	*87.1*		*40 - 110*	*04/22/20 11:50*	*05/05/20 19:15*	*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	4.46		02519	02614	5200	024L4	pCiR3		05R4R20 17:45	1

Client Sample Results

Client: Gulf Power Company
Proce/ tRSite: CCs Plant Cri. t

Job ID: 400-186948-4
SDG: g pdraj ient

Client Sample ID: FB-01
Date Collected: 04/17/20 08:40
Date Received: 04/18/20 11:07

Lab Sample ID: 400-186948-14
Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
s aj ium-776	02DL86	g	02500	02501	1200	02879	pCiR3	04R7R70 11:L0	05R14R70 09:L1	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.5*		*40 - 110*	*04/22/20 11:30*	*05/14/20 09:31*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
s aj ium-778	-02174	g	02188	02189	1200	02.6E	pCiR3	04R7R70 11:50	05R05R70 19:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.5*		*40 - 110*	*04/22/20 11:50*	*05/05/20 19:15*	*1*
Y Carrier	*89.0*		*40 - 110*	*04/22/20 11:50*	*05/05/20 19:15*	*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
Combinej s aj ium 776 + 778	-02856	g	02195	02196	5200	02.6E	pCiR3		05R14R70 17:45	1

Client: Gulf Power Company
Proce/ tRSite: CCs Plant CriUt

Job ID: 400-186948-4
SDG: g pdraj ient

Qualifiers

Rad

Qualifier	Qualifier Description
g	s eUult iUleUUthan the Uample j ete/ tion limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	LiUtej unj er the "D" / olumn to j eUdnate that the reUult iUreportej on a j ry weidht baUU
%s	Per/ ent s e/ overy
CFL	ContainUFree Liquij
CNF	ContainUNo Free Liquij
DEs	Dupli/ ate Error s atio (normalizej abUblute j ifferen/ e)
Dil Fa/	Dilution Fa/ tor
DL	Dete/ tion Limit (DoDRDOE)
DL, s A, s E, IN	Inj i/ ateUa Dilution, s e-analyUU, s e-extra/ tion, or aj j itional Initial metalURanion analyUUof the Uample
DLC	De/ iUon Level Con/ entration (s aj io/ hemiUtry)
EDL	EUtimatej Dete/ tion Limit (Dioxin)
LOD	Limit of Dete/ tion (DoDRDOE)
LOQ	Limit of Quantitation (DoDRDOE)
MDA	Minimum Dete/ table A/ tivity (s aj io/ hemiUtry)
MDC	Minimum Dete/ table Con/ entration (s aj io/ hemiUtry)
MDL	Methoj Dete/ tion Limit
ML	Minimum Level (Dioxin)
MQL	Methoj Quantitation Limit
NC	Not Cal/ ulatej
ND	Not Dete/ tej at the reportind limit (or MDL or EDL if Uhown)
PQL	Pra/ ti/ al Quantitation Limit
QC	Quality Control
s Es	s elative Error s atio (s aj io/ hemiUtry)
s L	s eportind Limit or s equeUtej Limit (s aj io/ hemiUtry)
s PD	s elative Per/ ent Differen/ e, a meaUure of the relative j ifferen/ e between two pointU
TEF	Toxi/ ity Equivalent Fa/ tor (Dioxin)
TEQ	Toxi/ ity Equivalent Quotient (Dioxin)

Lab Chronicle

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

Job ID: 400-186948-4
SDG: Upgradient

Client Sample ID: MW-202
Date Collected: 04/17/20 08:45
Date Received: 04/18/20 11:07

Lab Sample ID: 400-186948-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			468595	04/22/20 11:30	RBR	TAL SL
Total/NA	Analysis	9315		1	470398	05/14/20 09:29	KLS	TAL SL
Total/NA	Prep	PrecSep_0			468597	04/22/20 11:50	RBR	TAL SL
Total/NA	Analysis	9320		1	469583	05/05/20 19:12	KLS	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	470434	05/14/20 12:45	SMP	TAL SL

Client Sample ID: MW-203
Date Collected: 04/17/20 11:10
Date Received: 04/18/20 11:07

Lab Sample ID: 400-186948-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			468595	04/22/20 11:30	RBR	TAL SL
Total/NA	Analysis	9315		1	470398	05/14/20 09:29	KLS	TAL SL
Total/NA	Prep	PrecSep_0			468597	04/22/20 11:50	RBR	TAL SL
Total/NA	Analysis	9320		1	469583	05/05/20 19:12	KLS	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	470434	05/14/20 12:45	SMP	TAL SL

Client Sample ID: MW-204
Date Collected: 04/17/20 12:20
Date Received: 04/18/20 11:07

Lab Sample ID: 400-186948-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			468595	04/22/20 11:30	RBR	TAL SL
Total/NA	Analysis	9315		1	470398	05/14/20 09:29	KLS	TAL SL
Total/NA	Prep	PrecSep_0			468597	04/22/20 11:50	RBR	TAL SL
Total/NA	Analysis	9320		1	469583	05/05/20 19:12	KLS	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	470434	05/14/20 12:45	SMP	TAL SL

Client Sample ID: MW-205
Date Collected: 04/17/20 13:05
Date Received: 04/18/20 11:07

Lab Sample ID: 400-186948-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			468595	04/22/20 11:30	RBR	TAL SL
Total/NA	Analysis	9315		1	470398	05/14/20 09:29	KLS	TAL SL
Total/NA	Prep	PrecSep_0			468597	04/22/20 11:50	RBR	TAL SL
Total/NA	Analysis	9320		1	469583	05/05/20 19:13	KLS	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	470434	05/14/20 12:45	SMP	TAL SL

Lab Chronicle

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

Job ID: 400-186948-4
SDG: Upgradient

Client Sample ID: DUP-02
Date Collected: 04/17/20 10:10
Date Received: 04/18/20 11:07

Lab Sample ID: 400-186948-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			468595	04/22/20 11:30	RBR	TAL SL
Total/NA	Analysis	9315		1	470398	05/14/20 09:30	KLS	TAL SL
Total/NA	Prep	PrecSep_0			468597	04/22/20 11:50	RBR	TAL SL
Total/NA	Analysis	9320		1	469548	05/05/20 19:15	CJQ	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	470434	05/14/20 12:45	SMP	TAL SL

Client Sample ID: FB-01
Date Collected: 04/17/20 08:40
Date Received: 04/18/20 11:07

Lab Sample ID: 400-186948-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			468595	04/22/20 11:30	RBR	TAL SL
Total/NA	Analysis	9315		1	470398	05/14/20 09:31	KLS	TAL SL
Total/NA	Prep	PrecSep_0			468597	04/22/20 11:50	RBR	TAL SL
Total/NA	Analysis	9320		1	469548	05/05/20 19:15	CJQ	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	470434	05/14/20 12:45	SMP	TAL SL

Laboratory References:

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

Rad

Prep Batch: 468595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186948-9	MW-202	Total/NA	Water	PrecSep-21	
400-186948-10	MW-203	Total/NA	Water	PrecSep-21	
400-186948-11	MW-204	Total/NA	Water	PrecSep-21	
400-186948-12	MW-205	Total/NA	Water	PrecSep-21	
400-186948-13	DUP-02	Total/NA	Water	PrecSep-21	
400-186948-14	FB-01	Total/NA	Water	PrecSep-21	
MB 160-468595/23-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-468595/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-468595/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 468597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186948-9	MW-202	Total/NA	Water	PrecSep_0	
400-186948-10	MW-203	Total/NA	Water	PrecSep_0	
400-186948-11	MW-204	Total/NA	Water	PrecSep_0	
400-186948-12	MW-205	Total/NA	Water	PrecSep_0	
400-186948-13	DUP-02	Total/NA	Water	PrecSep_0	
400-186948-14	FB-01	Total/NA	Water	PrecSep_0	
MB 160-468597/23-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-468597/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-468597/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-468595723-/
MatAir: x ateA
/ nalTsis BatNh: 4c0398

Client Sample ID: Method Blank
PAep WTpe: Wotal7y /
PAep BatNh: 468595

/ nalTte	MB Result	MB QualifieA	Count UnNeAt. (2σ+7-)	Wotal UnNeAt. (2σ+7-)	RL	MDC	Unit	PAepaAed	/ nalTzed	Dil FaN
s aj ium-UU6	0.01433	g	0.046U	0.046U	1.00	0.0897	pCiR.	04RUURU0 11:70	05R14RU0 09:7U	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	69.:		40 - 110	04/22/20 117. 0	05/14/20 067. 2	1

Lab Sample ID: LCS 160-468595771-/
MatAir: x ateA
/ nalTsis BatNh: 4c0398

Client Sample ID: Lab ContAol Sample
PAep WTpe: Wotal7y /
PAep BatNh: 468595

/ nalTte			Spike / dded	LCS Result	LCS Qual	Wotal UnNeAt. (2σ+7-)	RL	MDC	Unit	%ReN	%ReN. Limits		
s aj ium-UU6			11.7	9.964		1.05	1.00	0.0365	pCiR.	88	35 - 1U5		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	86.:		40 - 110

Lab Sample ID: LCSD 160-468595772-/
MatAir: x ateA
/ nalTsis BatNh: 4c0398

Client Sample ID: Lab ContAol Sample Dup
PAep WTpe: Wotal7y /
PAep BatNh: 468595

/ nalTte			Spike / dded	LCSD Result	LCSD Qual	Wotal UnNeAt. (2σ+7-)	RL	MDC	Unit	%ReN	%ReN. Limits	RER	RER Limit
s aj ium-UU6			11.7	8.3U4		0.94U	1.00	0.0891	pCiR.	33	35 - 1U5	0.6U	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	84.1		40 - 110

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-46859c723-/
MatAir: x ateA
/ nalTsis BatNh: 469548

Client Sample ID: Method Blank
PAep WTpe: Wotal7y /
PAep BatNh: 46859c

/ nalTte	MB Result	MB QualifieA	Count UnNeAt. (2σ+7-)	Wotal UnNeAt. (2σ+7-)	RL	MDC	Unit	PAepaAed	/ nalTzed	Dil FaN
s aj ium-UU8	0.06510	g	0.U79	0.U79	1.00	0.4U0	pCiR.	04RUURU0 11:50	05R05RU0 19:16	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	69.:		40 - 110	04/22/20 11750	05/05/20 1671Y	1
3 Carrier	99.4		40 - 110	04/22/20 11750	05/05/20 1671Y	1

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

Lab Sample ID: LCS 160-46859c71-/
MatAr: x ateA
/ nalTsis BatNh: 469583

Client Sample ID: Lab ContAol Sample
PAep WTpe: Wotal7y /
PAep BatNh: 46859c

/ nalTte			Spike / dded	LCS Result	LCS Qual	Wotal UnNeAt. (2σ+7-)	RL	MDC	Unit	%ReN	%ReN Limits		
s aj ium-UU8			8.83	3.403		0.971	1.00	0.478	pCiR.	84	35 - 1U5		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*86.:*		*40 - 110*
3 Carrier	*86.0*		*40 - 110*

Lab Sample ID: LCSD 160-46859c72-/
MatAr: x ateA
/ nalTsis BatNh: 469583

Client Sample ID: Lab ContAol Sample Dup
PAep WTpe: Wotal7y /
PAep BatNh: 46859c

/ nalTte			Spike / dded	LCSD Result	LCSD Qual	Wotal UnNeAt. (2σ+7-)	RL	MDC	Unit	%ReN	%ReN Limits	RER	RER Limit
s aj ium-UU8			8.83	8.040		1.0U	1.00	0.490	pCiR.	91	35 - 1U5	0.7U	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*84.1*		*40 - 110*
3 Carrier	*84.6*		*40 - 110*

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

Chain of Custody Record

UPGR
400-186948-3, -4

eurofins Environment Testing TestAmerica

Client Information	Sampler: Philip Evans / Trevor Bradford	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-93953-34082.1
Client Contact: Mr. Mike Markey	Phone: 850-336-0192	E-Mail: cheyenne.whitmire@testamericainc.com		Page: Page 1 of 1
Company: Gulf Power Company				Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520				
Phone: 850-444-6573(Tel)	PO #: Purchase Order not required			
Email: richard.markey@nexteraenergy.com	WO #:			
Project Name: CCR Plant Crist	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N	D	N	N		
MW-202	4/17/20	0845	G	Water			X	X		X	X	X		
MW-203		1110		Water										
MW-204		1220		Water										
MW-205		1305		Water										
DUP-02		1010		Water										
FB-01	4/17/20	0840	G	Water			X	X		X	X	X		

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/18/20 1107	RDH		4/18/20 1107	FTL
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.5C, 0.8C, 1.3C, 0.5C IR7

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 400-186948-4
3SG Number: DpUragient

Login Number: 186948
List Number: 1
Creator: Hinrichsen, Megan E

List Source: Eurofins TestAmerica, Pensacola

Question	Answer	Comment
AagioaRticity wavns: R eRheg or iv kd< baRhUroung av meavureg by a vurcey meter=	Nd	
. ' e Rooler:v Ruvtogy vealTif preventTiv intaRt=	. rue	
3ample Ruvtogy vealvTif preventTare intaRt=	Nd	
. ' e Rooler or vamplev go not appear to ' ace been Rompromiveg or tampereg wit' =	. rue	
3amplev were reReiceg on iRe=	. rue	
Cooler . emperature iv aRReptable=	. rue	
Cooler . emperature iv reRorgeg=	. rue	, =25CT0=85CT1=° 5CT0=25C IA-7; 0=0 5CT0=0 5CT , =° 5C IA 8
COC iv prevent=	. rue	
COC iv filleg out in inh ang leUible=	. rue	
COC iv filleg out wit' all pertinent information=	. rue	
Iv t' e Fielg 3amplers:v name prevent on COC?	. rue	
. ' ere are no givRrepanRiev between t' e Rontainerv reReiceg ang t' e COC=	. rue	
3amplev are reReiceg wit' in HolginU . ime (exRluginU tevtv wit' immegiate H. v)	. rue	
3ample Rontainerv ' ace leUible labelv=	. rue	
Containerv are not brohen or leahinU=	. rue	
3ample RolleRtion gatedimev are procigeg=	. rue	
/ ppropriate vample Rontainerv are uveg=	. rue	
3ample bottlev are Rompletely filleg=	. rue	
3ample Prevercation Verifieg=	. rue	
. ' ere iv vuffiRient col=for all requevteg analyvevTinRi=any requevteg M3dM3Sv	. rue	
ContainervrequirinU zero ' eagvpaRe ' ace no ' eagvpaRe or bubble iv k6mm (1d4")	Nd	
Multip' aviRvamplev are not prevent=	. rue	
3amplev go not require vplittinU or RompovitinU=	. rue	
Aevigual C' lorine C' eRheg=	Nd	

Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 400-186948-4
3SG Number: DpUragient

Login Number: 186948
List Number: 2
Creator: Mazariegos, Leonel A

List Source: Eurofins TestAmerica, St. Louis
List Creation: 04/21/20 01:01 PM

Question	Answer	Comment
AagioaRticity wavns: R eRheg or iv kd< baRhURoung av meavureg by a vurcey meter=	. rue	
. ' e Rooler sv Ruvtogy vealTif preventTiv intaRt=	. rue	
3ample Ruvtogy vealvTif preventTare intaRt=	Nd	
. ' e Rooler or vamplev go not appear to ' ace been Rompromiveg or tampereg wit' =	. rue	
3amplev were reReiceg on iRe=	Nd	
Cooler . emperature iv aRReptable=	. rue	
Cooler . emperature iv reRorgeg=	. rue	
COC iv prevent=	. rue	
COC iv filleg out in inh ang leUible=	. rue	
COC iv filleg out wit' all pertinent information=	. rue	
Iv t' e Fielg 3amplersv name prevent on COC?	. rue	
. ' ere are no givRrepanRiev between t' e Rontainerv reReiceg ang t' e COC=	. rue	
3amplev are reReiceg wit' in HolginU . ime (exRuginUtevtv wit' immegiate H. v)	. rue	
3ample Rontainerv ' ace leUible labelv=	. rue	
Containerv are not brohen or leahinU=	. rue	
3ample RolleRtion gatedimev are procigeg=	. rue	
/ ppropriate vample Rontainerv are uveg=	. rue	
3ample bottlev are Rompletely filleg=	. rue	
3ample Prevercation Verifieg=	. rue	
. ' ere iv vuffiRient col=for all requevteg analyvevTinR=any requevteg M3dM3Sv	. rue	
Containerv requirinU zero ' eagvpaRe ' ace no ' eagvpaRe or bubble iv k6mm (1d4")	. rue	
Multip' aviRvamplev are not prevent=	. rue	
3amplev go not require vplittinU or RompovitinU=	. rue	
Aevigual C' lorine C' eRheg=	Nd	

Accreditation/Certification Summary

Client: Gulf Power Company
Pro3e2tjc ite: CC/ Plant CriSt

Job ID: 400-186948-4
c DG: RpsraBient

Laboratory: Eurofins TestAmerica, Pensacola

k ll a22reBitationSj2ertifi2ationS gelB by tgiS laboratory are liSteBd Aot all a22reBitationSj2ertifi2ationS are appli2able to tgiS reportd

Authority	Program	Identification Number	Expiration Date
k labama	c tate	401h0	0. -01-N0
k Ak 5	Ic 7 jIOC 1. 0Nh	EN4. 1	0N-NL-NL
k rizona	c tate	k Z0. 10	01-1L-N1
k rQanSaS DOF	c tate	88-0689	09-01-N0
California	c tate	Nh10	0. -01-N0
(loriBa	AOEk P	O81010	06-L0-N0
Georsia	c tate	O81010)(EK	06-L0-N0
IllinoiS	AOEk P	004h86	10-09-N0
Iowa	c tate	L6.	08-01-N0
UanSaS	AOEk P	O-10NhL	08-16-N0
Uentu2Qy)Rc TK	c tate	hL	06-L0-N0
Uentu2Qy)WWK	c tate	UY980L0	1N-L1-N0
EouiSiana	AOEk P	L09. 6	06-L0-N0
EouiSiana)DWK	c tate	Ek 01.	1N-L1-N0
MarylanB	c tate	NLL	09-L0-N0
MaSSa2guSettS	c tate	M-(E094	06-L0-N0
Mi2gisan	c tate	991N	06-L0-N0
MinneSota	AOEk P	01N-999-481	1N-L1-N0
Aew JerSey	AOEk P	(E006	06-L0-N0
Aew YorQ	AOEk P	1N11h	04-01-N1
Aortg Carolina)WWjc WK	c tate	L14	1N-L1-N0
7 Qlagoma	c tate	9810-186	08-L1-N0
PennSylvania	AOEk P	68-0046.	01-L1-N1
/ goBe ISlanB	c tate	Ek 7 00L0.	1N-L0-N0
c outg Carolina	c tate	960N600N	06-L0-N0
TenneSSee	c tate	TA0N90.	06-L0-N0
TexaS	AOEk P	T104. 04N86	09-L0-N0
Rc (iSg & WilBlife	Rc (eBeral ProsramS	0h8448	0. -L1-N0
Rc Dk	Rc (eBeral ProsramS	PLL0-18-00148	0h-1. -N1
Virsinia	AOEk P	460166	06-14-N0
WaSginston	c tate	C91h	0h-1h-N0
WeSt Virsinia DOP	c tate	1L6	06-L0-N0

Accreditation/Certification Summary

Client: Gulf Power Company
Pro3e2tjc ite: CC/ Plant CriSt

Job ID: 400-186948-4
c DG: RpsraBient

Laboratory: Eurofins TestAmerica, St. Louis

k ll a22reBitationSj2ertifi2ationS gelB by tgiS laboratory are liSteBd Aot all a22reBitationSj2ertifi2ationS are appli2able to tgiS reportd

Authority	Program	Identification Number	Expiration Date
k laSCa)Rc TK	c tate	N0-001	0h-06-NN
k Ak 5	Deptdof DefenSe OEk P	ENL0h	0h-14-N0
k Ak 5	Deptdof Onersy	ENL0hd01	0h-14-N0
k Ak 5	Ic 7 jIOC 1. 0Nh	ENL0h	04-06-NN
k rizona	c tate	k Z081L	1N-08-N0
California	EoS k nseleS County c anitation DiStri2tS	10Nh9	06-L0-N0
California	c tate	N886	06-L0-N0
Conne2ti2ut	c tate	PH-0N41	0L-L1-N1
(loriBa	AOEk P	O8. 689	06-L0-N0
HI - / aBCgem / e2osnition	c tate	nja	06-L0-N0
IllinoiS	AOEk P	004hhL	11-L0-N0
Iowa	c tate	L. L	09-1. -N0
UanSaS	AOEk P	O-10NL6	10-L1-N0
Uentu2Qy)DWK	c tate	UY901Nh	1N-L1-N0
EouiSiana	AOEk P	04080	06-L0-N0
EouiSiana)DWK	c tate	Ek 011	1N-L1-N0
MarylanB	c tate	L10	09-L0-N0
MI - / aBCgem / e2osnition	c tate	900h	06-L0-N0
MiSSouri	c tate	. 80	06-L0-NN
AevaBa	c tate	M7 000h4N0N0-1	0. -L1-N0
Aew JerSey	AOEk P	M7 00N	06-L0-N0
Aew YorQ	AOEk P	11616	04-01-N1
Aortg DaQota	c tate	/ -N0.	06-L0-N0
A/ C	A/ C	N4-N481. -01	1N-L1-NN
7 Qlagoma	c tate	999.	08-L1-N0
PennSylvania	AOEk P	68-00h40	0N-N8-N1
c outg Carolina	c tate	8h00N001	06-L0-N0
TexaS	AOEk P	T104. 0419L-19-1L	0. -L1-N0
Rc (iSg & WilBlife	Rc (eBeral ProsramS	0h8448	0. -L1-N0
Rc Dk	Rc (eBeral ProsramS	PLL0-1. -000N8	0L-11-NL
Rtag	AOEk P	M7 000h4N019-11	0. -L1-N0
Virsinia	AOEk P	10L10	06-14-N0
WaSginston	c tate	Ch9N	08-L0-N0
WeSt Virsinia DOP	c tate	L81	10-L1-N0

OurofinS TeStk meri2a, PenSa2ola

5/27/2020

eurofins | Environment Testing America



ANALYTICAL REPORT

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

Laboratory Job ID: 400-187257-1
Laboratory Sample Delivery Group: Downgradient D
Client Project/Site: CCR Plant Crist

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

Attn: Mr. Mike Markey

Authorized for release by:
5/27/2020 9:00:22 PM

Cheyenne Whitmire, Project Manager II
(850)471-6222
cheyenne.whitmire@testamericainc.com

LINKS

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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC and 2009 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.

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Job ID: 400-186936-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-186936-1

Metals

Method 6020: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-487132 and analytical batch 400-487672 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 6020: The method blank for preparation batch 400-487132 contained Arsenic above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

Method 6020: The following sample was diluted due to the nature of the sample matrix: MW-201 (400-187257-1). Elevated reporting limits (RLs) are provided.

Method 7470A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-487517 and analytical batch 400-488232 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 4500 F C: The method blank for analytical batch 400-487053 contained fluoride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method SM 4500 Cl- E: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-201 (400-187257-1). 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-201 (400-187257-1), (500-180998-C-6), (500-180998-C-6 MS) and (500-180998-C-6 MSD). Elevated reporting limits (RLs) are provided.

Method SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-487586 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: Due to the concentration of sulfates in the parent sample the MS/MSD was diluted after the spike. The spike amount was adjusted by the dilution factor. (500-180998-C-6 MS) and (500-180998-C-6 MSD)

Detection Summary

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

Job ID: 400-187257-1
SDG: Downgradient D

Client Sample ID: MW-201

Lab Sample ID: 400-187257-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.048		0.00050	0.00014	mg/L	1		6020	Total Recoverable
Beryllium	0.000069	I	0.00050	0.000034	mg/L	1		6020	Total Recoverable
Boron	4.2		0.10	0.036	mg/L	10		6020	Total Recoverable
Cadmium	0.0013		0.00050	0.000056	mg/L	1		6020	Total Recoverable
Calcium	61		0.050	0.025	mg/L	1		6020	Total Recoverable
Cobalt	0.00091		0.00050	0.00011	mg/L	1		6020	Total Recoverable
Lead	0.00050		0.00025	0.000058	mg/L	1		6020	Total Recoverable
Lithium	0.0024		0.0010	0.00038	mg/L	1		6020	Total Recoverable
Selenium	0.0037		0.00025	0.00016	mg/L	1		6020	Total Recoverable
Thallium	0.00015		0.00010	0.000024	mg/L	1		6020	Total Recoverable
Mercury	0.00040		0.00020	0.000070	mg/L	1		7470A	Total/NA
Total Dissolved Solids	600		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	120		10	7.0	mg/L	5		SM 4500 Cl- E	Total/NA
Fluoride	0.39		0.10	0.032	mg/L	1		SM 4500 F C	Total/NA
Sulfate	130		25	7.0	mg/L	5		SM 4500 SO4 E	Total/NA
Field pH	4.69				SU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

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

Job ID: 400-186976-1
SDG: Downgradient D

Method	Method Description	Protocol	Laboratory
2090	Metals (ICP/MS)	SW842	TAL PEN
6460A	Mercury (CVAA)	SW842	TAL PEN
SM 9740C	Solids5Total Dissol, ed (TDS)	SM	TAL PEN
SM 4700 Cl- E	Cvloride5Total	SM	TAL PEN
SM 4700 h C	hluoride	SM	TAL PEN
SM 4700 SF 4 E	Sulfate5Total	SM	TAL PEN
hield Sampling	hield Sampling	EPA	TAL PEN
C007A	Preparation5Total Reco, erable or Dissol, ed Metals	SW842	TAL PEN
6460A	Preparation5Mercury	SW842	TAL PEN

Protocol References:

EPA 3 = S En, ironmental Protection Agency

SM 3 USstandard Metvods hor Tve E" amination F f Water And WastewaterU

SW842 3 UTest Metvods hor E, aluating Solid Waste5Pvysical/Cvemical MetvodsU5Tvird Edition5No, ember 1x82 And Its = pdates.

Laboratory References:

TAL PEN 3 Eurofins TestAmerica5Pensacola5CC77 McLemore Dri, e5Pensacola5hL C97145TEL (870)464-1001

Sample Summary

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

Job ID: 400-187257-1
SDG: Downgradient D

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-187257-1	MW-201	Water	04/22/20 14:05	04/25/20 11:49	

Client Sample Results

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

Job ID: 400-187257-1
SDG: Downgradient D

Client Sample ID: W2 -901
Date Collected: 04/99/90 14:0M
Date Recei7ed: 04/9M90 11:45

Lab Sample ID: 400-1869M6-1
Watrix: 2 ater

Wetvod: h090 - Wetals (ICP/WS) - Total Reco7erable

Analyte	Result	Qualifier	PQL	WDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00030	U	0.00050	0.00030	mg/L		04/28/20 10:09	04/30/20 18:42	1
Arsenic	0.000078	U	0.00025	0.000078	mg/L		04/28/20 10:09	04/30/20 18:42	1
Barium	**0.048**		0.00050	0.00014	mg/L		04/28/20 10:09	04/30/20 18:42	1
Beryllium	**0.0000h5**	**I**	0.00050	0.000034	mg/L		04/28/20 10:09	04/30/20 18:42	1
Boron	**4.9**		0.10	0.036	mg/L		04/28/20 10:09	05/07/20 13:06	10
Cadmium	**0.0013**		0.00050	0.000056	mg/L		04/28/20 10:09	04/30/20 18:42	1
Calcium	**h1**		0.050	0.025	mg/L		04/28/20 10:09	04/30/20 18:42	1
Chromium	0.00020	U	0.00050	0.00020	mg/L		04/28/20 10:09	04/30/20 18:42	1
Cobalt	**0.00051**		0.00050	0.00011	mg/L		04/28/20 10:09	04/30/20 18:42	1
Lead	**0.000M0**		0.00025	0.000058	mg/L		04/28/20 10:09	04/30/20 18:42	1
Litvium	**0.0094**		0.0010	0.00038	mg/L		04/28/20 10:09	04/30/20 18:42	1
Molybdenum	0.00090	U	0.0030	0.00090	mg/L		04/28/20 10:09	04/30/20 18:42	1
Selenium	**0.0036**		0.00025	0.00016	mg/L		04/28/20 10:09	04/30/20 18:42	1
Tvallium	**0.0001M**		0.00010	0.000024	mg/L		04/28/20 10:09	04/30/20 18:42	1

Wetvod: 6460A - Wercury (CVAA)

Analyte	Result	Qualifier	PQL	WDL	Unit	D	Prepared	Analyzed	Dil Fac
Wercury	**0.00040**		0.00020	0.000070	mg/L		05/06/20 08:16	05/06/20 14:11	1

General Cvemistry

Analyte	Result	Qualifier	PQL	WDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissol7ed Solids	**h00**		5.0	5.0	mg/L			04/28/20 14:54	1
Cvloride	**190**		10	7.0	mg/L			05/04/20 17:18	5
Fluoride	**0.35**		0.10	0.032	mg/L			04/25/20 18:50	1
Sulfate	**130**		25	7.0	mg/L			04/30/20 13:04	5

Wetvod: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	WDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.h5**				SU			04/22/20 14:05	1

Qualifiers

Metals

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

General Chemistry

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Lab Chronicle

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

Job ID: 400-187257-1
SDG: Downgradient D

Client Sample ID: MW-201
Date Collected: 04/22/20 14:05
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187257-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			487132	04/28/20 10:09	KWN	TAL PEN
Total Recoverable	Analysis	6020		1	487672	04/30/20 18:42	AW	TAL PEN
Total Recoverable	Prep	3005A			487132	04/28/20 10:09	KWN	TAL PEN
Total Recoverable	Analysis	6020		10	488448	05/07/20 13:06	AW	TAL PEN
Total/NA	Prep	7470A			487517	05/06/20 08:16	JAP	TAL PEN
Total/NA	Analysis	7470A		1	488232	05/06/20 14:11	JAP	TAL PEN
Total/NA	Analysis	SM 2540C		1	487316	04/28/20 14:54	CLB	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		5	487968	05/04/20 17:18	HES	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	487053	04/25/20 18:50	MAF	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		5	487586	04/30/20 13:04	HES	TAL PEN
Total/NA	Analysis	Field Sampling		1	488336	04/22/20 14:05	MCS	TAL PEN

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

QC Association Summary

Client: Gulf Power Company
Prolegtd Site: CCj Plant Cri/ t

Job ID: 400-186936-1
SDG: DownBracient D

Metals

Prep Batch: 487132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186936-1	5 R -901	Aotal j egoMerable	R ater	s003W	
5 T 400-4861s9d1-W	5 etvoc Tlan2	Aotal j egoMerable	R ater	s003W	
7CS 400-4861s9d9-W	7ab Control Sample	Aotal j egoMerable	R ater	s003W	
400-186934-C-1-T 5 S	5 atriUSpi2e	Aotal j egoMerable	R ater	s003W	
400-186934-C-1-C 5 SD	5 atriUSpi2e Dupligate	Aotal j egoMerable	R ater	s003W	

Prep Batch: 487517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186936-1	5 R -901	AotaldEW	R ater	6460W	
5 T 400-486316d14-W	5 etvoc Tlan2	AotaldEW	R ater	6460W	
7CS 400-486316d13-W	7ab Control Sample	AotaldEW	R ater	6460W	
400-186401-W-1-T 5 S	5 atriUSpi2e	AotaldEW	R ater	6460W	
400-186401-W-1-C 5 SD	5 atriUSpi2e Dupligate	AotaldEW	R ater	6460W	

Analysis Batch: 487672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186936-1	5 R -901	Aotal j egoMerable	R ater	h090	4861s9
5 T 400-4861s9d1-W	5 etvoc Tlan2	Aotal j egoMerable	R ater	h090	4861s9
7CS 400-4861s9d9-W	7ab Control Sample	Aotal j egoMerable	R ater	h090	4861s9
400-186934-C-1-T 5 S	5 atriUSpi2e	Aotal j egoMerable	R ater	h090	4861s9
400-186934-C-1-C 5 SD	5 atriUSpi2e Dupligate	Aotal j egoMerable	R ater	h090	4861s9

Analysis Batch: 488232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186936-1	5 R -901	AotaldEW	R ater	6460W	486316
5 T 400-486316d14-W	5 etvoc Tlan2	AotaldEW	R ater	6460W	486316
7CS 400-486316d13-W	7ab Control Sample	AotaldEW	R ater	6460W	486316
400-186401-W-1-T 5 S	5 atriUSpi2e	AotaldEW	R ater	6460W	486316
400-186401-W-1-C 5 SD	5 atriUSpi2e Dupligate	AotaldEW	R ater	6460W	486316

Analysis Batch: 488448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186936-1	5 R -901	Aotal j egoMerable	R ater	h090	4861s9

General Chemistry

Analysis Batch: 487053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186936-1	5 R -901	AotaldEW	R ater	S5 4300 L C	
5 T 400-48603sds	5 etvoc Tlan2	AotaldEW	R ater	S5 4300 L C	
7CS 400-48603sd4	7ab Control Sample	AotaldEW	R ater	S5 4300 L C	
400-186934-T-1 5 SD	5 atriUSpi2e Dupligate	AotaldEW	R ater	S5 4300 L C	
400-186936-1 5 S	5 R -901	AotaldEW	R ater	S5 4300 L C	
400-186936-1 5 SD	5 R -901	AotaldEW	R ater	S5 4300 L C	

Analysis Batch: 487316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186936-1	5 R -901	AotaldEW	R ater	S5 9340C	
5 T 400-486s1hdl	5 etvoc Tlan2	AotaldEW	R ater	S5 9340C	
7CS 400-486s1hd9	7ab Control Sample	AotaldEW	R ater	S5 9340C	
400-1861s4-W-1 Dx	Dupligate	AotaldEW	R ater	S5 9340C	

QC Association Summary

Client: Gulf Power Company
Proleg tdSite: CCj Plant Cri/ t

Job ID: 400-186936-1
SDG: DownBracient D

General Chemistry

Analysis Batch: 487586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186936-1	5 R -901	AotaldEW	R ater	S5 4300 SN4 F	
5 T 400-48638hd8	5 etvoc Tlan2	AotaldEW	R ater	S5 4300 SN4 F	
7CS 400-48638hdh	7ab Control Sample	AotaldEW	R ater	S5 4300 SN4 F	
7CSD 400-48638hd9h	7ab Control Sample Dup	AotaldEW	R ater	S5 4300 SN4 F	
5 j 7 400-48638hds	7ab Control Sample	AotaldEW	R ater	S5 4300 SN4 F	
300-180, , 8-C-h 5 S	5 atriUSpi2e	AotaldEW	R ater	S5 4300 SN4 F	
300-180, , 8-C-h 5 SD	5 atriUSpi2e Dupligate	AotaldEW	R ater	S5 4300 SN4 F	

Analysis Batch: 487968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186936-1	5 R -901	AotaldEW	R ater	S5 4300 Cl- F	
5 T 400-486, h8dh	5 etvoc Tlan2	AotaldEW	R ater	S5 4300 Cl- F	
7CS 400-486, h8d6	7ab Control Sample	AotaldEW	R ater	S5 4300 Cl- F	
5 j 7 400-486, h8ds	7ab Control Sample	AotaldEW	R ater	S5 4300 Cl- F	
400-1864, 1-E-4 5 S	5 atriUSpi2e	AotaldEW	R ater	S5 4300 Cl- F	
400-1864, 1-E-4 5 SD	5 atriUSpi2e Dupligate	AotaldEW	R ater	S5 4300 Cl- F	

Field Service / Mobile Lab

Analysis Batch: 488336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-186936-1	5 R -901	AotaldEW	R ater	Lielc SamplinB	

QC Sample Results

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

Job ID: 400-186976-1
SDG: Downgradient D

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 400-487132/1-A
Matrix: Water
Analysis Batch: 487672

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 487132

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00030	U	0.00070	0.00030	mg/5		04/98/90 10:0L	04/30/90 13:41	1
Arsenic	0.00092L		0.00097	0.000068	mg/5		04/98/90 10:0L	04/30/90 13:41	1
Barium	0.00014	U	0.00070	0.00014	mg/5		04/98/90 10:0L	04/30/90 13:41	1
Beryllium	0.000034	U	0.00070	0.000034	mg/5		04/98/90 10:0L	04/30/90 13:41	1
Boron	0.0032	U	0.010	0.0032	mg/5		04/98/90 10:0L	04/30/90 13:41	1
Cadmium	0.000072	U	0.00070	0.000072	mg/5		04/98/90 10:0L	04/30/90 13:41	1
Calcium	0.097	U	0.070	0.097	mg/5		04/98/90 10:0L	04/30/90 13:41	1
Chromium	0.00090	U	0.00070	0.00090	mg/5		04/98/90 10:0L	04/30/90 13:41	1
Cobalt	0.00011	U	0.00070	0.00011	mg/5		04/98/90 10:0L	04/30/90 13:41	1
5ead	0.000078	U	0.00097	0.000078	mg/5		04/98/90 10:0L	04/30/90 13:41	1
5ithium	0.00038	U	0.0010	0.00038	mg/5		04/98/90 10:0L	04/30/90 13:41	1
Molybdenum	0.000L0	U	0.0030	0.000L0	mg/5		04/98/90 10:0L	04/30/90 13:41	1
Selenium	0.00012	U	0.00097	0.00012	mg/5		04/98/90 10:0L	04/30/90 13:41	1
Thallium	0.000094	U	0.00010	0.000094	mg/5		04/98/90 10:0L	04/30/90 13:41	1

Lab Sample ID: LCS 400-487132/2-A
Matrix: Water
Analysis Batch: 487672

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 487132

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.0700	0.0748		mg/5		110	80 - 190
Arsenic	0.0700	0.04L9		mg/5		L8	80 - 190
Barium	0.0700	0.04L3		mg/5		LL	80 - 190
Beryllium	0.0700	0.0702		mg/5		101	80 - 190
Boron	0.100	0.0L63		mg/5		L6	80 - 190
Cadmium	0.0700	0.0716		mg/5		103	80 - 190
Calcium	7.00	4.26		mg/5		L3	80 - 190
Chromium	0.0700	0.0701		mg/5		100	80 - 190
Cobalt	0.0700	0.04LL		mg/5		100	80 - 190
5ead	0.0700	0.04L8		mg/5		100	80 - 190
5ithium	0.0700	0.0701		mg/5		100	80 - 190
Molybdenum	0.0700	0.0708		mg/5		109	80 - 190
Selenium	0.0700	0.071L		mg/5		104	80 - 190
Thallium	0.0100	0.0104		mg/5		104	80 - 190

Lab Sample ID: 400-187254-C-1-B MS
Matrix: Water
Analysis Batch: 487672

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 487132

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.00030	U	0.0700	0.04L4		mg/5		LL	67 - 197
Arsenic	0.00027	E	0.0700	0.04L9		mg/5		L6	67 - 197
Barium	0.070		0.0700	0.0L8L		mg/5		L8	67 - 197
Beryllium	0.000036	I	0.0700	0.0480		mg/5		L2	67 - 197
Boron	11		0.100	11.1	J3	mg/5		-982	67 - 197
Cadmium	0.00011	I	0.0700	0.04L3		mg/5		L8	67 - 197
Calcium	910		7.00	910	J3	mg/5		-L	67 - 197
Chromium	0.00090	U	0.0700	0.0420		mg/5		L9	67 - 197
Cobalt	0.0071		0.0700	0.0422		mg/5		83	67 - 197

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

Lab Sample ID: 400-187254-C-1-B MS
Matrix: Water
Analysis Batch: 487672

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 487132

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
5ead	0.00023		0.0700	0.0488		mg/5		L2	67 - 197
5ithium	0.00049	I	0.0700	0.04L7		mg/5		L8	67 - 197
Molybdenum	0.000L0	U	0.0700	0.0488		mg/5		L8	67 - 197
Selenium	0.009L		0.0700	0.0796		mg/5		100	67 - 197
Thallium	0.00018		0.0100	0.00LL1		mg/5		L6	67 - 197

Lab Sample ID: 400-187254-C-1-C MSD
Matrix: Water
Analysis Batch: 487672

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 487132

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	0.00030	U	0.0700	0.0706		mg/5		101	67 - 197	3	90
Arsenic	0.00027	E	0.0700	0.046L		mg/5		L7	67 - 197	3	90
Barium	0.070		0.0700	0.0L68		mg/5		L2	67 - 197	1	90
Beryllium	0.000036	I	0.0700	0.046L		mg/5		L2	67 - 197	0	90
Boron	11		0.100	11.0	J3	mg/5		-336	67 - 197	0	90
Cadmium	0.00011	I	0.0700	0.0708		mg/5		101	67 - 197	3	90
Calcium	910		7.00	912		mg/5		L7	67 - 197	9	90
Chromium	0.00090	U	0.0700	0.047L		mg/5		L9	67 - 197	0	90
Cobalt	0.0071		0.0700	0.0428		mg/5		84	67 - 197	0	90
5ead	0.00023		0.0700	0.04L4		mg/5		L6	67 - 197	1	90
5ithium	0.00049	I	0.0700	0.04L0		mg/5		L6	67 - 197	1	90
Molybdenum	0.000L0	U	0.0700	0.0486		mg/5		L6	67 - 197	0	90
Selenium	0.009L		0.0700	0.079L		mg/5		100	67 - 197	0	90
Thallium	0.00018		0.0100	0.0101		mg/5		LL	67 - 197	9	90

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 400-487517/14-A
Matrix: Water
Analysis Batch: 488232

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 487517

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000060	U	0.00090	0.000060	mg/5		07/02/90 08:12	07/02/90 13:16	1

Lab Sample ID: LCS 400-487517/15-A
Matrix: Water
Analysis Batch: 488232

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 487517

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00101	0.00100		mg/5		LL	80 - 190

Lab Sample ID: 400-187401-A-1-B MS
Matrix: Water
Analysis Batch: 488232

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 487517

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.000060	U	0.00901	0.00171	J3	mg/5		67	80 - 190

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

Lab Sample ID: 400-187401-A-1-C MSD
Matrix: Water
Analysis Batch: 488232

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 487517

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.000060	U	0.00901	0.00148	J3	mg/5		63	80 - 190	9	90

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

Lab Sample ID: MB 400-487316/1
Matrix: Water
Analysis Batch: 487316

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	7.0	U	7.0	7.0	mg/5			04/98/90 14:74	1

Lab Sample ID: LCS 400-487316/2
Matrix: Water
Analysis Batch: 487316

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			9L3	344		mg/5		116	68 - 199		

Lab Sample ID: 400-187134-A-1 DU
Matrix: Water
Analysis Batch: 487316

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	320			328		mg/5				9	7

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-487968/6
Matrix: Water
Analysis Batch: 487968

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	9.0	1.4	mg/5			07/04/90 12:73	1

Lab Sample ID: LCS 400-487968/7
Matrix: Water
Analysis Batch: 487968

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	39.3		mg/5		108	L0 - 110		

Lab Sample ID: MRL 400-487968/3
Matrix: Water
Analysis Batch: 487968

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			9.00	1.88	I	mg/5		L4	70 - 170		

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

Lab Sample ID: 400-187491-N-4 MS
Matrix: Water
Analysis Batch: 487968

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	14		10.0	97.9		mg/5		106	63 - 190		

Lab Sample ID: 400-187491-N-4 MSD
Matrix: Water
Analysis Batch: 487968

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	14		10.0	94.4		mg/5		100	63 - 190	3	8

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-487053/3
Matrix: Water
Analysis Batch: 487053

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.0700	I	0.10	0.039	mg/5			04/97/90 16:71	1

Lab Sample ID: LCS 400-487053/4
Matrix: Water
Analysis Batch: 487053

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Fluoride			4.00	4.08		mg/5		109	L0 - 110		

Lab Sample ID: 400-187254-B-1 MSD
Matrix: Water
Analysis Batch: 487053

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	0.039	U	1.00	0.LL0		mg/5		LL	67 - 197	0	4

Lab Sample ID: 400-187257-1 MS
Matrix: Water
Analysis Batch: 487053

Client Sample ID: MW-201
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Fluoride	0.3L		1.00	1.43		mg/5		104	67 - 197		

Lab Sample ID: 400-187257-1 MSD
Matrix: Water
Analysis Batch: 487053

Client Sample ID: MW-201
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoride	0.3L		1.00	1.43		mg/5		104	67 - 197	0	4

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-487586/5
Matrix: Water
Analysis Batch: 487586

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	7.0	1.4	mg/5			04/30/90 19:19	1

Lab Sample ID: LCS 400-487586/6
Matrix: Water
Analysis Batch: 487586

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfate			17.0	14.6		mg/5		L8	L0 - 110		

Lab Sample ID: MRL 400-487586/3
Matrix: Water
Analysis Batch: 487586

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfate			7.00	4.82	I	mg/5		L6	70 - 170		

Lab Sample ID: 500-180998-C-6 MS
Matrix: Water
Analysis Batch: 487586

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	46		10.0	74.0	J3	mg/5		63	66 - 198		

Lab Sample ID: 500-180998-C-6 MSD
Matrix: Water
Analysis Batch: 487586

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	46		10.0	72.3		mg/5		L2	66 - 198	4	7

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

400-187257 COC

Client Information	Sampler: Rick Hagendorfer	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-93952-23630.1
Client Contact: Mr. Mike Markey	Phone: 850-336-0192	E-Mail: cheyenne.whitmire@testamericainc.com		Page: Page 1 of 1
Company: Gulf Power Company				Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520				
Phone: 850-444-6573(Tel)	PO #: Purchase Order not required			
Email: richard.markey@nexteraenergy.com	WO #:			
Project Name: CCR Plant Crist	Project #: 40005424			
Site: Downgradient D	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N	D	N	N		
MW-201	4-22-20	1405	G	Water			X	X	X	X	X	X	3	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/25/20 1100	RDH ENV.		4/25/20 1100	RDH
2		4/25/20 1149	RDH			
3					4-25-20 1149	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.2° IR-7

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 400-187257-1
SDG Number: Downgradient D

Login Number: 187257
List Number: 1
Creator: Conrady, Hank W

List Source: Eurofins TestAmerica, 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.	True	
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	1.2°C IR-7
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 Plant Crist

Job ID: 400-186936-1
SDG: DownBrakient D

Laboratory: Eurofins TestAmerica, Pensacola

gll accrekitations/certifications delk by tdis laboratory are listekA h ot all accrekitations/certifications are applicable to tdis reportA

Authority	Program	Identification Number	Expiration Date
glabama	State	40130	06-01-90
ghg.	ISN/I5C 16093	79461	09-92-92
griQona	State	gE0610	01-12-91
grLansas D5z	State	88-0Z8Q	0Q-01-90
California	State	9310	06-01-90
Florika	h57gP	581010	0Z-20-90
GeorBia	State	581010(F7)	0Z-20-90
Illinois	h57gP	00438Z	10-0Q-90
Iowa	State	2Z6	08-01-90
Kansas	h57gP	5-10932	08-1Z-90
KentucLy (UST)	State	32	0Z-20-90
KentucLy (WW)	State	KYQ8020	19-21-90
7ouisiana	h57gP	20Q6Z	0Z-20-90
7ouisiana (DW)	State	7g016	19-21-90
Marylank	State	922	0Q-20-90
Massacdusetts	State	M-F70Q4	0Z-20-90
MicdiBan	State	QQ19	0Z-20-90
Minnesota	h57gP	019-QQQ-481	19-21-90
hew Jersey	h57gP	F700Z	0Z-20-90
hew YorL	h57gP	19113	04-01-91
hortd Carolina (WW/SW)	State	214	19-21-90
NLladoma	State	Q810-18Z	08-21-90
Pennsylvania	h57gP	Z8-004Z6	01-21-91
Rdoke Islank	State	7gN00206	19-20-90
Soutd Carolina	State	QZ09Z009	0Z-20-90
Tennessee	State	Th09Q06	0Z-20-90
Texas	h57gP	T10460498Z	0Q-20-90
US Fisd & Wilklife	US Fekeral ProBrams	038448	06-21-90
USDg	US Fekeral ProBrams	P220-18-00148	03-16-91
VirBinia	h57gP	4Z01ZZ	0Z-14-90
WasdinBton	State	CQ13	03-13-90
West VirBinia D5P	State	12Z	0Z-20-90

eurofins | Environment Testing America



ANALYTICAL REPORT

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

Laboratory Job ID: 400-187257-2
Laboratory Sample Delivery Group: Downgradient D
Client Project/Site: CCR Plant Crist

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

Attn: Mr. Mike Markey

Authorized for release by:
5/27/2020 9:00:57 PM

Cheyenne Whitmire, Project Manager II
(850)471-6222
cheyenne.whitmire@testamericainc.com

LINKS

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

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

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Job ID: 400-187257-2

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-187257-2

RAD

Method 9315: Radium-226 Prep Batch 160-469233. 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.

Methods 9320: Ra-228 Prep Batch 160-469239. 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-201 (400-187257-1), (LCS 160-469239/1-A), (LCSD 160-469239/2-A) and (MB 160-469239/21-A)

Method PrecSep_0: Radium 228 160-469239. Insufficient sample volume was available to perform a sample duplicate for the following samples: MW-201 (400-187257-1). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep-21: Radium 226 Batch 160-496233. Insufficient sample volume was available to perform a sample duplicate for the following samples: MW-201 (400-187257-1). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method Summary

l ient Gu f iPwor nm l op ayt S
wmoc n/ Gk ea: l l s wiyt Gl meVG

Job ID: 400-1869C6-9
g Du : Dor t dmyj ent GD

Method	Method Description	Protocol	Laboratory
2(1C	s yj e p -995 Fu) wl T	g3 845	AL_ g_
2(90	s yj e p -998 Fu) wl T	g3 845	AL_ g_
s y995Ns y998	l op be t nj s yj e p -995 yt j s yj e p -998	AL_-gA_	AL_ g_
wm/ g naN0	wm ayn yG bt hwm/ ae eyG a g nayn yG bt	, ot n	AL_ g_
wm/ g na-91	wm ayn yG bt hwm/ ae eyG a g nayn yG bt F91-DyS lt -u mor G T	, ot n	AL_ g_

Protocol References:

, ot n " , ot n

g3 845 " MAnWGE nG oj W) omv Uyif yG d g oie 3 yWGahw=SVe yiR =np e yi E nG oj WmA=en vj e bt h, oUhp bnm1285 L t j IGV. aj yGaVO

AL_-gA_ " AnWG p nm e y _ybonyGnaWhgG_of eM) y/ ie S g Gyt j yn 7 anny d wmo/ nj f mO

Laboratory References:

AL_ g_ " v f moRe WAnWG p nm e yhg G_of eM1(61C s e nmAny e , omGhv ymG l eSh E 7 5(04ChAv _ R(14T928-8C55

Sample Summary

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

Job ID: 400-187257-2
SDG: Downgradient D

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-187257-1	MW-201	Water	04/22/20 14:05	04/25/20 11:49	

Client Sample ID: MW-201

Date Collected: 04/22/20 14:05
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187257-1

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	2.12		0.251	0.315	1.00	0.100	pCi/L	04/30/20 09:40	05/22/20 06:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.9*		*40 - 110*	*04/30/20 09:40*	*05/22/20 06:38*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	5.08		0.515	0.695	1.00	0.397	pCi/L	04/30/20 11:18	05/13/20 11:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.9*		*40 - 110*	*04/30/20 11:18*	*05/13/20 11:46*	*1*
Y Carrier	*86.4*		*40 - 110*	*04/30/20 11:18*	*05/13/20 11:46*	*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	7.20		0.573	0.763	5.00	0.397	pCi/L		05/22/20 09:31	1

Qualifiers

Rad

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Lab Chronicle

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

Job ID: 400-187257-2
SDG: Downgradient D

Client Sample ID: MW-201

Date Collected: 04/22/20 14:05
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187257-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			469233	04/30/20 09:40	RJD	TAL SL
Total/NA	Analysis	9315		1	471150	05/22/20 06:38	KLS	TAL SL
Total/NA	Prep	PrecSep_0			469239	04/30/20 11:18	RJD	TAL SL
Total/NA	Analysis	9320		1	470297	05/13/20 11:46	KLS	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	471151	05/22/20 09:31	SMP	TAL SL

Laboratory References:

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

QC Association Summary

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

Job ID: 400-187257-2
SDG: Downgradient D

Rad

Prep Batch: 469233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-187257-1	MW-201	Total/NA	Water	PrecSep-21	
MB 160-469233/21-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-469233/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-469233/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 469239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-187257-1	MW-201	Total/NA	Water	PrecSep_0	
MB 160-469239/21-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-469239/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-469239/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-469233821-7
Mat/iA: r ate/
7 nalWsis Batyh: 4N1150

Client Sample ID: Method Blank
P/ep xWpe: xotal8T7
P/ep Batyh: 469233

7 nalWte	MB Result	MB QualiUe/	Count z nye/tf (2σc8)	xotal z nye/tf (2σc8)	RL	MDC	z nit	P/epa/ed	7 nalW-ed	Dil Fay
s yj e p -99U	-03184U	5	0307UL	0307UL	1300	03LC7	al eR	04R70R90 0L:40	0CR99R90 0U:78	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	. 8Y7		40 - 110	04/20/70 0: 540	06/77/70 095 2.	1

Lab Sample ID: LCS 160-469233821-7
Mat/iA: r ate/
7 nalWsis Batyh: 4N1150

Client Sample ID: Lab Cont/ol Sample
P/ep xWpe: xotal8T7
P/ep Batyh: 469233

7 nalWte			Spike 7 dded	LCS Result	LCS Qual	xotal z nye/tf (2σc8)	RL	MDC	z nit	. Rey	. Reyf Limits		
s yj e p -99U			113Y	1034C		1310	1300	0319 0	al eR	L9	6C - 19C		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	. 9Y0		40 - 110

Lab Sample ID: LCSD 160-469233822-7
Mat/iA: r ate/
7 nalWsis Batyh: 4N1150

Client Sample ID: Lab Cont/ol Sample Dup
P/ep xWpe: xotal8T7
P/ep Batyh: 469233

7 nalWte			Spike 7 dded	LCSD Result	LCSD Qual	xotal z nye/tf (2σc8)	RL	MDC	z nit	. Rey	. Reyf Limits	R%R	R%R Limit
s yj e p -99U			113Y	1034L		1310	1300	0311 0	al eR	L9	6C - 19C	0309	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	. : Y		40 - 110

Method: 9320 - Radium-22E (GFPC)

Lab Sample ID: MB 160-469239821-7
Mat/iA: r ate/
7 nalWsis Batyh: 4N029N

Client Sample ID: Method Blank
P/ep xWpe: xotal8T7
P/ep Batyh: 469239

7 nalWte	MB Result	MB QualiUe/	Count z nye/tf (2σc8)	xotal z nye/tf (2σc8)	RL	MDC	z nit	P/epa/ed	7 nalW-ed	Dil Fay
s yj e p -998	03CC86	5	03944	03944	1300	03496	al eR	04R70R90 11:18	0CR17R90 11:4U	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	. 8Y7		40 - 110	04/20/70 115 1.	06/12/70 115 49	1
3 Carrier	. 4Y6		40 - 110	04/20/70 115 1.	06/12/70 115 49	1

Method: 9320 - Radium-22E (GFPC) (Continued)

Lab Sample ID: LCS 160-469239 1-7
Mat/iA: r ate/
7 nalWsis Batyh: 4N02N2

Client Sample ID: Lab Cont/ol Sample
P/ep xWpe: xotal 8T 7
P/ep Batyh: 469239

7 nalWte			Spike 7 dded	LCS Result	LCS Qual	xotal z nye/tf (2σc8)	RL	MDC	z nit	. Rey	. Reyf Limits		
s yj e p -998			83 C	83 C71		13 0C	13 00	03 4U 0	al eR	LU	6C - 19C		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	. 9Y 0		40 - 110
3 Carrier	8: Y 9		40 - 110

Lab Sample ID: LCSD 160-469239 2-7
Mat/iA: r ate/
7 nalWsis Batyh: 4N02N2

Client Sample ID: Lab Cont/ol Sample Dup
P/ep xWpe: xotal 8T 7
P/ep Batyh: 469239

7 nalWte			Spike 7 dded	LCSD Result	LCSD Qual	xotal z nye/tf (2σc8)	RL	MDC	z nit	. Rey	. Reyf Limits	R%R	R%R Limit
s yj e p -998			83 C	83 040		03 1.88	13 00	03 496	al eR	L1	6C - 19C	03 94	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	. : Y		40 - 110
3 Carrier	. 0Y 4		40 - 110

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

Chain of Custody Record

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Client Information	Sampler: Rick Hagendorfer	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-93952-23630.1
Client Contact: Mr. Mike Markey	Phone: 850-336-0192	E-Mail: cheyenne.whitmire@testamericainc.com		Page: Page 1 of 1
Company: Gulf Power Company				Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520				
Phone: 850-444-6573(Tel)	PO #: Purchase Order not required			
Email: richard.markey@nexteraenergy.com	WO #:			
Project Name: CCR Plant Crist	Project #: 40005424			
Site: Downgradient D	SSOW#:			

400-187257 COC

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N	D	N	N		
MW-201	4-22-20	1405	G	Water			X	X	X	X	X	X	3	

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/25/20 1100	RDH ENV.		4/25/20 1100	RDH
2	Relinquished by:	Date/Time: 4/25/20 1149	Company RDH	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 4-25-20 1149	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.2° IR-7

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 400-187257-2
SDG Number: Downgradient D

Login Number: 187257
List Number: 1
Creator: Conrady, Hank W

List Source: Eurofins TestAmerica, 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.	True	
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	1.2°C IR-7
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: Gulf Power Company

Job Number: 400-187257-2
SDG Number: Downgradient D

Login Number: 187257
List Number: 2
Creator: Mazariegos, Leonel A

List Source: Eurofins TestAmerica, St. Louis
List Creation: 04/28/20 01:11 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.	N/A	
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: Gulf Power Company
Pro2ej td ite: CCS Plant CriRt

Job ID: 400-186936-9
/ DG: DownsraBient D

Laboratory: Eurofins TestAmerica, Pensacola

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Authority	Program	Identification Number	Expiration Date
k labama	/ tate	40130	06-01-90
k Ak h	I/ . dNC 16093	59461	09-97-97
k riQona	/ tate	k E0610	01-17-91
k rLanRaRDNz	/ tate	88-0Z8Q	0Q-01-90
California	/ tate	9310	06-01-90
FloriBa	AN5k P	N81010	0Z-70-90
Georsia	/ tate	N81010(F5)	0Z-70-90
IllinoiR	AN5k P	00438Z	10-0Q-90
Iowa	/ tate	7Z6	08-01-90
KanRaR	AN5k P	N-10937	08-1Z-90
Kentuj Ly (U/ T)	/ tate	37	0Z-70-90
Kentuj Ly (WW)	/ tate	KYQ8070	19-71-90
5ouiRiana	AN5k P	70Q6Z	0Z-70-90
5ouiRiana (DW)	/ tate	5k 016	19-71-90
MarylanB	/ tate	977	0Q-70-90
MaRRaj guRettR	/ tate	M-F50Q4	0Z-70-90
Mij gisan	/ tate	QQ19	0Z-70-90
MinneRota	AN5k P	019-QQQ-481	19-71-90
Aew JerRey	AN5k P	F500Z	0Z-70-90
Aew YorL	AN5k P	19113	04-01-91
Aortg Carolina (WWd W)	/ tate	714	19-71-90
. Llagoma	/ tate	Q810-18Z	08-71-90
PennRylvania	AN5k P	Z8-004Z6	01-71-91
SgoBe IRanB	/ tate	5k . 00706	19-70-90
/ outg Carolina	/ tate	QZ09Z009	0Z-70-90
TenneRRee	/ tate	TA09QD6	0Z-70-90
TexaR	AN5k P	T10460498Z	0Q-70-90
U/ FiRg & WilBlife	U/ FeBeral ProsramR	038448	06-71-90
U/ Dk	U/ FeBeral ProsramR	P770-18-00148	03-16-91
Virsinia	AN5k P	4Z01ZZ	0Z-14-90
WaRginston	/ tate	CQ13	03-13-91
WeRt Virsinia DNP	/ tate	17Z	0Z-70-90

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Accreditation/Certification Summary

Client: Gulf Power Company
Pro2ej td ite: CCS Plant CriRt

Job ID: 400-186936-9
/ DG: DownsraBient D

Laboratory: Eurofins TestAmerica, St. Louis

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Authority	Program	Identification Number	Expiration Date
k laRLa (U/ T)	/ tate	90-001	03-0Z-99
k Ak h	Deptdof DefenRe N5k P	59703	04-0Z-99
k Ak h	Deptdof Nnersy	59703d01	04-0Z-99
k Ak h	I/ . dNC 16093	59703	04-0Z-99
k riCona	/ tate	k E0817	19-08-90
California	5oRk nseleRCounty / anitation DiRtrij tR	1093Q	0Z-70-90
California	/ tate	988Z	0Z-70-90
Connej tij ut	/ tate	PH-0941	07-71-91
FloriBa	AN5k P	N86Z8Q	0Z-70-90
HI - SaBCgem Sej osnition	/ tate	nca	0Z-70-90
IllinoiR	AN5k P	004337	11-70-90
Iowa	/ tate	767	0Q-16-90
KanRaR	AN5k P	N-1097Z	10-71-90
Kentuj Ly (DW)	/ tate	KYQ0193	19-71-90
5ouiRiana	AN5k P	04080	0Z-70-90
5ouiRiana (DW)	/ tate	5k 011	19-71-90
MarylanB	/ tate	710	0Q-70-90
MI - SaBCgem Sej osnition	/ tate	Q003	0Z-70-90
MiRRouri	/ tate	680	0Z-70-99
AevaBa	/ tate	M. 000349090-1	06-71-90
Aew JerRey	AN5k P	M. 009	0Z-70-90
Aew YorL	AN5k P	11Z1Z	04-01-91
Aortg DaLota	/ tate	S-906	0Z-70-90
ASC	ASC	94-94816-01	19-71-99
. Llagoma	/ tate	QQQ6	08-71-90
PennRylvania	AN5k P	Z8-00340	09-98-91
/ outg Carolina	/ tate	83009001	0Z-70-90
TexaR	AN5k P	T1046041Q7-1Q-17	06-71-90
U/ FiRg & WilBlife	U/ FeBeral ProsramR	038448	06-71-90
U/ Dk	U/ FeBeral ProsramR	P770-16-00098	07-11-97
Utag	AN5k P	M. 00034901Q-11	06-71-90
Virsinia	AN5k P	10710	0Z-14-90
WaRginston	/ tate	C3Q9	08-70-90
WeRt Virsinia DNP	/ tate	781	10-71-90

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5/27/2020

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ANALYTICAL REPORT

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

Laboratory Job ID: 400-187254-1
Laboratory Sample Delivery Group: GSA Delineation Sampling
Client Project/Site: CCR Plant Crist

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

Attn: Mr. Mike Markey

Cheyenne R Whitmire

Authorized for release by:
5/27/2020 8:59:03 PM

Cheyenne Whitmire, Project Manager II
(850)471-6222
cheyenne.whitmire@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 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.

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Job ID: 400-187254-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-187254-1

Receipt Exceptions
The following sample(s) was submitted for analysis; however, it was not listed on the Chain-of-Custody (COC): 400-187254-10 (PZ-200D FF). Logged in at the end using information on container label.

Metals
Method 6020: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-487132 and analytical batch 400-487672 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 6020: The continuing calibration verification (CCV) associated with batch 400-487841 recovered above the upper control limit for Arsenic. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: PZ-200D (400-187254-2), PZ-203D (400-187254-5), MW-2032 (400-187254-6) and (MB 400-487132/1-A).

Method 6020: The ICV for 400-488265 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 400-488265/13)

Method 6020: The following samples were diluted due to the nature of the sample matrix: PZ-200S (400-187254-1), PZ-200D (400-187254-2), GSA-2S (400-187254-3), (400-187254-C-1-B MS ^100) and (400-187254-C-1-C MSD ^100). Elevated reporting limits (RLs) are provided.

Method 7470A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-487517 and analytical batch 400-488232 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 400-487637 was outside control limits. Sample non-homogeneity is suspected.

Method SM 4500 F C: The method blank for analytical batch 400-487053 contained fluorde above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method SM 4500 Cl- E: Due to the concentration of chlorides in the parent sample the MS/MSD was diluted after the spike. The spike amount was adjusted by the dilution factor. (400-187172-C-1 MS) and (400-187172-C-1 MSD)

Method SM 4500 Cl- E: The following samples were diluted to bring the concentration of target analytes within the calibration range: PZ-200S (400-187254-1), GSA-2S (400-187254-3), (400-187172-C-1), (400-187172-C-1 MS) and (400-187172-C-1 MSD). Elevated reporting limits (RLs) are provided.

Method SM 4500 Cl- E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 400-487962 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 SO4 E: The following samples were diluted to bring the concentration of target analytes within the calibration range: PZ-200S (400-187254-1), GSA-2S (400-187254-3), (400-187254-B-1 MS) and (400-187254-B-1 MSD). Elevated reporting limits (RLs) are provided.

Method SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 400-487465 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.

Job ID: 400-187254-1 (Continued)

Laboratory: Eurofins TestAmerica, Pensacola (Continued)

Method SM 4500 SO4 E: Due to the concentration of sulfates in the parent sample the MS/MSD was diluted after the spike. The spike amount was adjusted by the dilution factor. (400-187254-B-1 MS) and (400-187254-B-1 MSD)

Detection Summary

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

Job ID: 400-186974-1
SDG: GSg Delineation Samplind

Client Sample ID: PZ-200S — Lab Sample ID: 400-187254-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
grsenic	0A00049		0A00097	0A000068	md/.	1		L090	2otal Reco5erable
Tarium	0A070		0A00070	0A00014	md/.	1		L090	2otal Reco5erable
Teryllium	0A0000v6	I	0A00070	0A0000v4	md/.	1		L090	2otal Reco5erable
Toron	1v		1A0	0AvL	md/.	100		L090	2otal Reco5erable
CaBmium	0A00011	I	0A00070	0A00007L	md/.	1		L090	2otal Reco5erable
Calcium	910		0A070	0A097	md/.	1		L090	2otal Reco5erable
Cobalt	0A0071		0A00070	0A00011	md/.	1		L090	2otal Reco5erable
. eaB	0A000Lv		0A00097	0A000078	md/.	1		L090	2otal Reco5erable
. it3ium	0A00049	I	0A0010	0A000v8	md/.	1		L090	2otal Reco5erable
Selenium	0A009V		0A00097	0A0001L	md/.	1		L090	2otal Reco5erable
23allium	0A00018		0A00010	0A000094	md/.	1		L090	2otal Reco5erable
h ercury	0A000vV		0A00090	0A000060	md/.	1		6460g	2otal/Mg
2otal Dissol5eB SoliBs	1700		10	10	md/.	1		Sh 9740C	2otal/Mg
C3loriBe	4L0		90	14	md/.	10		Sh 4700 Cl- N	2otal/Mg
Sulfate	900		70	14	md/.	10		Sh 4700 SE4 N	2otal/Mg
CielB pF	4A61				SH	1		CielB Samplind	2otal/Mg

Client Sample ID: PZ-200D — Lab Sample ID: 400-187254-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tarium	0A0v1		0A00070	0A00014	md/.	1		L090	2otal Reco5erable
Calcium	4A9		0A070	0A097	md/.	1		L090	2otal Reco5erable
C3romium	0A00088		0A00070	0A00090	md/.	1		L090	2otal Reco5erable
Cobalt	0A001v	I	0A00070	0A00011	md/.	1		L090	2otal Reco5erable
. eaB	0A00094	I	0A00097	0A000078	md/.	1		L090	2otal Reco5erable
. it3ium	0A0010		0A0010	0A000v8	md/.	1		L090	2otal Reco5erable
2otal Dissol5eB SoliBs	44		7A0	7A0	md/.	1		Sh 9740C	2otal/Mg
C3loriBe	4A0		9A0	1A4	md/.	1		Sh 4700 Cl- N	2otal/Mg
CluoriBe	0A080	I U	0A10	0Av9	md/.	1		Sh 4700 OC	2otal/Mg
Sulfate	6A8		7A0	1A4	md/.	1		Sh 4700 SE4 N	2otal/Mg
CielB pF	LAL8				SH	1		CielB Samplind	2otal/Mg

Client Sample ID: GSA-2S — Lab Sample ID: 400-187254-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
grsenic	0A0000Vv	I	0A00097	0A000068	md/.	1		L090	2otal Reco5erable
Tarium	0A0v6		0A00070	0A00014	md/.	1		L090	2otal Reco5erable

23is Detection Summary Boes not incluBe raBioc3emical test resultsA

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Client Sample ID: GSA-2S (Continued) — Lab Sample ID: 400-187254-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Teryllium	0A000069	I	0A00070	0A0000v4	md/.	1		L090	2otal Reco5erable
Toron	1A/		1A0	0AvL	md/.	100		L090	2otal Reco5erable
CaBmium	0A0001V	I	0A00070	0A00007L	md/.	1		L090	2otal Reco5erable
Calcium	40		0A070	0A097	md/.	1		L090	2otal Reco5erable
Cobalt	0A00086		0A00070	0A00011	md/.	1		L090	2otal Reco5erable
. eaB	0A00081		0A00097	0A000078	md/.	1		L090	2otal Reco5erable
. it3ium	0A000LL	I	0A0010	0A000v8	md/.	1		L090	2otal Reco5erable
Selenium	0A001v		0A00097	0A0001L	md/.	1		L090	2otal Reco5erable
23allium	0A000041	I	0A00010	0A000094	md/.	1		L090	2otal Reco5erable
2otal Dissol5eB SoliBs	960		7A0	7A0	md/.	1		Sh 9740C	2otal/Mg
C3loriBe	84		10	6A0	md/.	7		Sh 4700 Cl- N	2otal/Mg
Sulfate	v7		10	9A8	md/.	9		Sh 4700 SE4 N	2otal/Mg
CielB pF	4A48				SH	1		CielB Samplind	2otal/Mg

Client Sample ID: PZ-201D — Lab Sample ID: 400-187254-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tarium	0AL9		0A00070	0A00014	md/.	1		L090	2otal Reco5erable
Toron	0A09v		0A010	0A00vL	md/.	1		L090	2otal Reco5erable
Calcium	LA9		0A070	0A097	md/.	1		L090	2otal Reco5erable
C3romium	0A000v4	I	0A00070	0A00090	md/.	1		L090	2otal Reco5erable
. eaB	0A0001L	I	0A00097	0A000078	md/.	1		L090	2otal Reco5erable
. it3ium	0A00VL		0A0010	0A000v8	md/.	1		L090	2otal Reco5erable
2otal Dissol5eB SoliBs	1L		7A0	7A0	md/.	1		Sh 9740C	2otal/Mg
C3loriBe	vA7		9A0	1A4	md/.	1		Sh 4700 Cl- N	2otal/Mg
CluoriBe	0A070	I U	0A10	0A0v9	md/.	1		Sh 4700 OC	2otal/Mg
Sulfate	1A/	I	7A0	1A4	md/.	1		Sh 4700 SE4 N	2otal/Mg
CielB pF	LA68				SH	1		CielB Samplind	2otal/Mg

Client Sample ID: PZ-203D — Lab Sample ID: 400-187254-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tarium	0A097		0A00070	0A00014	md/.	1		L090	2otal Reco5erable
Toron	0A090		0A010	0A00vL	md/.	1		L090	2otal Reco5erable
Calcium	vAL		0A070	0A097	md/.	1		L090	2otal Reco5erable
. it3ium	0A01v		0A0010	0A000v8	md/.	1		L090	2otal Reco5erable
2otal Dissol5eB SoliBs	vL		7A0	7A0	md/.	1		Sh 9740C	2otal/Mg
C3loriBe	vA6		9A0	1A4	md/.	1		Sh 4700 Cl- N	2otal/Mg

23is Detection Summary Boes not incluBe raBioc3emical test resultsA

Detection Summary

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

Job ID: 400-186974-1
SDG: GSg Delineation Samplind

Client Sample ID: PZ-203D (Continued) — Lab Sample ID: 400-187254-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	vAv	I	7A0	1A4	md/.	1		Sh 4700 SE4 N	2otal/Mg
CielB pF	LA86				SH	1		CielB Samplind	2otal/Mg

Client Sample ID: MW-2032 — Lab Sample ID: 400-187254-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tarium	0A090		0A00070	0A00014	md/.	1		L090	2otal Reco5erable
Teryllium	0A00011	I	0A00070	0A0000v4	md/.	1		L090	2otal Reco5erable
Toron	0A010		0A010	0A00vL	md/.	1		L090	2otal Reco5erable
Calcium	LA4		0A070	0A097	md/.	1		L090	2otal Reco5erable
Cobalt	0A001L		0A00070	0A00011	md/.	1		L090	2otal Reco5erable
. eaB	0A00090	I	0A00097	0A000078	md/.	1		L090	2otal Reco5erable
. it3ium	0A009L		0A0010	0A000v8	md/.	1		L090	2otal Reco5erable
23allium	0A000097	I	0A00010	0A000094	md/.	1		L090	2otal Reco5erable
2otal Dissol5eB SoliBs	49		7A0	7A0	md/.	1		Sh 9740C	2otal/Mg
C3loriBe	98		9A0	1A4	md/.	1		Sh 4700 Cl- N	2otal/Mg
Sulfate	9A8	I	7A0	1A4	md/.	1		Sh 4700 SE4 N	2otal/Mg
CielB pF	4A84				SH	1		CielB Samplind	2otal/Mg

Client Sample ID: EB-04 — Lab Sample ID: 400-187254-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
CielB pF	4A48				SH	1		CielB Samplind	2otal/Mg

Client Sample ID: FB-04 — Lab Sample ID: 400-187254-8

Mo DetectionsA

Client Sample ID: DUP-04 — Lab Sample ID: 400-187254-9

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tarium	0A090		0A00070	0A00014	md/.	1		L090	2otal Reco5erable
Teryllium	0A00010	I	0A00070	0A0000v4	md/.	1		L090	2otal Reco5erable
Toron	0A01v		0A010	0A00vL	md/.	1		L090	2otal Reco5erable
Calcium	6A0		0A070	0A097	md/.	1		L090	2otal Reco5erable
Cobalt	0A001L		0A00070	0A00011	md/.	1		L090	2otal Reco5erable
. eaB	0A00099	I	0A00097	0A000078	md/.	1		L090	2otal Reco5erable
. it3ium	0A009L		0A0010	0A000v8	md/.	1		L090	2otal Reco5erable
23allium	0A000094	I	0A00010	0A000094	md/.	1		L090	2otal Reco5erable
2otal Dissol5eB SoliBs	7L		7A0	7A0	md/.	1		Sh 9740C	2otal/Mg
C3loriBe	96		9A0	1A4	md/.	1		Sh 4700 Cl- N	2otal/Mg

23is Detection Summary Boes not incluBe raBioc3emical test resultsA

Nurofins 2estgmerica, Pensacola

Client Sample ID: DUP-04 (Continued)

Lab Sample ID: 400-187254-9

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	9A8	I	7A0	1A4	md/.	1		Sh 4700 SE4 N	2otal/Mg
CielB pF	4A84				SH	1		CielB Samplind	2otal/Mg

Client Sample ID: PZ-200D FF

Lab Sample ID: 400-187254-10

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
grsenic, Dissol5eB	0A0001v	I	0A00097	0A000068	md/.	1		L090	Dissol5eB
Tarium, Dissol5eB	0A0v0		0A00070	0A00014	md/.	1		L090	Dissol5eB
Toron, Dissol5eB	0A0v0		0A010	0A00vL	md/.	1		L090	Dissol5eB
Calcium, Dissol5eB	4A9		0A070	0A097	md/.	1		L090	Dissol5eB
. it3ium, Dissol5eB	0A0008v	I	0A0010	0A000v8	md/.	1		L090	Dissol5eB
2otal Dissol5eB SoliBs CielB CiltereB	74		7A0	7A0	md/.	1		Sh 9740C	Dissol5eB
C3loriBe, Dissol5eB	vA4		9A0	1A4	md/.	1		Sh 4700 Cl- N	Dissol5eB
CluoriBe, Dissol5eB	0A060	I U	0A10	0A0v9	md/.	1		Sh 4700 OC	Dissol5eB
Sulfate, Dissol5eB	7A8		7A0	1A4	md/.	1		Sh 4700 SE4 N	Dissol5eB
CielB pF	LAL8				SH	1		CielB Samplind	2otal/Mg

23is Detection Summary Boes not incluBe raBioc3emical test resultsA

Method Summary

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

Job ID: 400-186974-1
SDG: GSg Delineation Samplind

Method	Method Description	Protocol	Laboratory
2090	Metals (ICP/MS)	SW842	TgAPLE
6460g	Mercury (CNgg)	SW842	TgAPLE
SM 9740C	SoliVs5Total Dissol, eV (TDS)	SM	TgAPLE
SM 4700 Cl- L	CvloriVe5Total	SM	TgAPLE
SM 4700 h C	hluoriVe	SM	TgAPLE
SM 4700 SF 4 L	Sulfate5Total	SM	TgAPLE
hielV Samplind	hielV Samplind	LPg	TgAPLE
C007g	Preparation5Total Reco, erable or Dissol, eV Metals	SW842	TgAPLE
6460g	Preparation5Mercury	SW842	TgAPLE

Protocol References:

LPg 3 = S Ln, ironmental Protection gdency

SM 3 UStanVarV MetvoVs hor Tve L" amination F f Water gnV WastewaterU

SW842 3 UTest MetvoVs hor L, aluatind SoliV Waste5Pvysical/Cvemical MetvoVsU5TvirV LVition5Eo, ember 1x82 gnV Its = pVates.

Laboratory References:

TgAPLE 3 Lurofins Testgmerica5Pensacola5CC77 McAemore Dri, e5Pensacola5hA C97145TLA (870)464-1001

Sample Summary

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

Job ID: 400-187254-1
SDG: GSA Delineation Sampling

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-187254-1	PZ-200S	Water	04/25/20 07:43	04/25/20 11:49	
400-187254-2	PZ-200D	Water	04/24/20 16:20	04/25/20 11:49	
400-187254-3	GSA-2S	Water	04/25/20 08:20	04/25/20 11:49	
400-187254-4	PZ-201D	Water	04/24/20 13:10	04/25/20 11:49	
400-187254-5	PZ-203D	Water	04/24/20 09:35	04/25/20 11:49	
400-187254-6	MW-2032	Water	04/24/20 19:04	04/25/20 11:49	
400-187254-7	EB-04	Water	04/25/20 07:35	04/25/20 11:49	
400-187254-8	FB-04	Water	04/24/20 16:11	04/25/20 11:49	
400-187254-9	DUP-04	Water	04/24/20 18:04	04/25/20 11:49	
400-187254-10	PZ-200D FF	Water	04/24/20 16:20	04/25/20 11:49	

Client Sample ID: PZ-200S

Date Collected: 04/25/20 07:43
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-1

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gntimony	0A000. 0	3	0A00070	0A000. 0	md/U		04/98/90 10:05	04/. 0/90 16:4.	1
Arsenic	**0.00042**		0A00097	0A000068	md/U		04/98/90 10:05	07/07/90 17:4.	1
Barium	**0.050**		0A00070	0A00014	md/U		04/98/90 10:05	04/. 0/90 16:4.	1
Beryllium	**0.000037**	I	0A00070	0A000. 4	md/U		04/98/90 10:05	04/. 0/90 16:4.	1
Boron	**13**		1A0	0A L	md/U		04/98/90 10:05	07/06/90 19:15	100
Cadmium	**0.00011**	I	0A00070	0A00007L	md/U		04/98/90 10:05	04/. 0/90 16:4.	1
Calcium	**210**		0A070	0A097	md/U		04/98/90 10:05	04/. 0/90 16:4.	1
C2romium	0A00090	3	0A00070	0A00090	md/U		04/98/90 10:05	04/. 0/90 16:4.	1
Cobalt	**0.0051**		0A00070	0A00011	md/U		04/98/90 10:05	04/. 0/90 16:4.	1
Lead	**0.00063**		0A00097	0A000078	md/U		04/98/90 10:05	04/. 0/90 16:4.	1
Lithium	**0.00042**	I	0A0010	0A000. 8	md/U		04/98/90 10:05	04/. 0/90 16:4.	1
h olybMenum	0A00050	3	0A00. 0	0A00050	md/U		04/98/90 10:05	04/. 0/90 16:4.	1
Selenium	**0.0029**		0A00097	0A0001L	md/U		04/98/90 10:05	04/. 0/90 16:4.	1
Thallium	**0.00018**		0A00010	0A000094	md/U		04/98/90 10:05	04/. 0/90 16:4.	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00039**		0A00090	0A000060	md/U		07/0L/90 08:1L	07/0L/90 1. :45	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1500**		10	10	md/U			04/. 0/90 16:45	1
Chloride	**460**		90	14	md/U			07/04/90 1L:16	10
FluoriMe	0A0. 9	3	0A10	0A0. 9	md/U			04/97/90 18:09	1
Sulfate	**200**		70	14	md/U			04/95/90 1L:48	10

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.71**				S3			04/97/90 06:4.	1

Client Sample ID: PZ-200D

Date Collected: 04/24/20 16:20
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-2

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gntimony	0A000. 0	3	0A00070	0A000. 0	md/U		04/98/90 10:05	04/. 0/90 18:0L	1
grsenic	0A000068	3	0A00097	0A000068	md/U		04/98/90 10:05	07/01/90 16:95	1
Barium	**0.031**		0A00070	0A00014	md/U		04/98/90 10:05	04/. 0/90 18:0L	1
Beryllium	0A000. 4	3	0A00070	0A000. 4	md/U		04/98/90 10:05	04/. 0/90 18:0L	1
Boron	0AL	3	1A0	0AL	md/U		04/98/90 10:05	07/06/90 19:95	100
CaMmium	0A00007L	3	0A00070	0A00007L	md/U		04/98/90 10:05	04/. 0/90 18:0L	1
Calcium	**4.2**		0A070	0A097	md/U		04/98/90 10:05	04/. 0/90 18:0L	1
Chromium	**0.00088**		0A00070	0A00090	md/U		04/98/90 10:05	04/. 0/90 18:0L	1
Cobalt	**0.00013 I**		0A00070	0A00011	md/U		04/98/90 10:05	04/. 0/90 18:0L	1
Lead	**0.00024 I**		0A00097	0A000078	md/U		04/98/90 10:05	04/. 0/90 18:0L	1
Lithium	**0.0010**		0A0010	0A000. 8	md/U		04/98/90 10:05	04/. 0/90 18:0L	1
h olybMenum	0A00050	3	0A00. 0	0A00050	md/U		04/98/90 10:05	04/. 0/90 18:0L	1
Selenium	0A0001L	3	0A00097	0A0001L	md/U		04/98/90 10:05	04/. 0/90 18:0L	1
T2allium	0A000094	3	0A00010	0A000094	md/U		04/98/90 10:05	04/. 0/90 18:0L	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
h ercury	0A000060	3	0A00090	0A000060	md/U		07/0L/90 08:1L	07/0L/90 1. :71	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**44**		7A0	7A0	md/U			04/. 0/90 16:45	1
Chloride	**4.0**		9A0	1A4	md/U			07/04/90 17:78	1
Fluoride	**0.080 I V**		0A10	0A0. 9	md/U			04/97/90 18:1.	1
Sulfate	**7.8**		7A0	1A4	md/U			04/95/90 17:00	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.68**				S3			04/94/90 1L:90	1

Client Sample ID: GSA-2S

Date Collected: 04/25/20 08:20
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-3

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gntimony	0A000. 0	3	0A00070	0A000. 0	md/U		04/98/90 10:05	04/. 0/90 18:05	1
Arsenic	**0.000093**	**I**	0A00097	0A000068	md/U		04/98/90 10:05	07/07/90 1L:05	1
Barium	**0.037**		0A00070	0A00014	md/U		04/98/90 10:05	04/. 0/90 18:05	1
Beryllium	**0.000072**	**I**	0A00070	0A000. 4	md/U		04/98/90 10:05	04/. 0/90 18:05	1
Boron	**1.9**		1A0	0A L	md/U		04/98/90 10:05	07/06/90 19:. .	100
Cadmium	**0.00019**	**I**	0A00070	0A00007L	md/U		04/98/90 10:05	04/. 0/90 18:05	1
Calcium	**40**		0A070	0A097	md/U		04/98/90 10:05	04/. 0/90 18:05	1
C2romium	0A00090	3	0A00070	0A00090	md/U		04/98/90 10:05	04/. 0/90 18:05	1
Cobalt	**0.00087**		0A00070	0A00011	md/U		04/98/90 10:05	04/. 0/90 18:05	1
Lead	**0.00081**		0A00097	0A000078	md/U		04/98/90 10:05	04/. 0/90 18:05	1
Lithium	**0.00066**	**I**	0A0010	0A000. 8	md/U		04/98/90 10:05	04/. 0/90 18:05	1
h olybMenum	0A00050	3	0A00. 0	0A00050	md/U		04/98/90 10:05	04/. 0/90 18:05	1
Selenium	**0.0013**		0A00097	0A0001L	md/U		04/98/90 10:05	04/. 0/90 18:05	1
Thallium	**0.000041**	**I**	0A00010	0A000094	md/U		04/98/90 10:05	04/. 0/90 18:05	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
h ercury	0A000060	3	0A00090	0A000060	md/U		07/0L/90 08:1L	07/0L/90 1. :7.	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**270**		7A0	7A0	md/U			04/. 0/90 18:99	1
Chloride	**84**		10	6A0	md/U			07/04/90 1L:9.	7
FluoriMe	0A0. 9	3	0A10	0A0. 9	md/U			04/97/90 18:16	1
Sulfate	**35**		10	9A8	md/U			04/95/90 17:4.	9

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.48**				S3			04/97/90 08:90	1

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

Job ID: 400-186974-1
SDG: GSg Delineation Samplind

Client Sample ID: PZ-201D
Date Collected: 04/24/20 13:10
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-4
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gntimony	0A000. 0	3	0A00070	0A000. 0	md/U		04/98/90 10:05	04/. 0/90 18:19	1
grsenic	0A000068	3	0A00097	0A000068	md/U		04/98/90 10:05	07/07/90 1L:95	1
Barium	**0.062**		0A00070	0A00014	md/U		04/98/90 10:05	04/. 0/90 18:19	1
Beryllium	0A000. 4	3	0A00070	0A000. 4	md/U		04/98/90 10:05	04/. 0/90 18:19	1
Boron	**0.023**		0A010	0A00. L	md/U		04/98/90 10:05	07/06/90 19:. L	1
CaMmium	0A00007L	3	0A00070	0A00007L	md/U		04/98/90 10:05	04/. 0/90 18:19	1
Calcium	**6.2**		0A070	0A097	md/U		04/98/90 10:05	04/. 0/90 18:19	1
Chromium	**0.00034**	**I**	0A00070	0A00090	md/U		04/98/90 10:05	04/. 0/90 18:19	1
Cobalt	0A00011	3	0A00070	0A00011	md/U		04/98/90 10:05	04/. 0/90 18:19	1
Lead	**0.00016**	**I**	0A00097	0A000078	md/U		04/98/90 10:05	04/. 0/90 18:19	1
Lithium	**0.0096**		0A0010	0A000. 8	md/U		04/98/90 10:05	04/. 0/90 18:19	1
h olybMenum	0A00050	3	0A00. 0	0A00050	md/U		04/98/90 10:05	04/. 0/90 18:19	1
Selenium	0A0001L	3	0A00097	0A0001L	md/U		04/98/90 10:05	04/. 0/90 18:19	1
T2allium	0A000094	3	0A00010	0A000094	md/U		04/98/90 10:05	04/. 0/90 18:19	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
h ercury	0A000060	3	0A00090	0A000060	md/U		07/0L/90 08:1L	07/0L/90 1. :77	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**16**		7A0	7A0	md/U			04/. 0/90 18:99	1
Chloride	**3.5**		9A0	1A4	md/U			07/04/90 17:78	1
Fluoride	**0.050**	**I V**	0A10	0A0. 9	md/U			04/97/90 18:90	1
Sulfate	**1.9**	**I**	7A0	1A4	md/U			04/95/90 17:00	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.78**				S3			04/94/90 1. :10	1

Client Sample ID: PZ-203D

Date Collected: 04/24/20 09:35
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-5

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gntimony	0A000. 0	3	0A00070	0A000. 0	md/U		04/98/90 10:05	04/. 0/90 18:1L	1
grsenic	0A000068	3	0A00097	0A000068	md/U		04/98/90 10:05	07/01/90 16:. 5	1
Barium	**0.025**		0A00070	0A00014	md/U		04/98/90 10:05	04/. 0/90 18:1L	1
Beryllium	0A000. 4	3	0A00070	0A000. 4	md/U		04/98/90 10:05	04/. 0/90 18:1L	1
Boron	**0.020**		0A010	0A00. L	md/U		04/98/90 10:05	07/06/90 19:. 5	1
CaMmium	0A00007L	3	0A00070	0A00007L	md/U		04/98/90 10:05	04/. 0/90 18:1L	1
Calcium	**3.6**		0A070	0A097	md/U		04/98/90 10:05	04/. 0/90 18:1L	1
C2romium	0A00090	3	0A00070	0A00090	md/U		04/98/90 10:05	04/. 0/90 18:1L	1
Cobalt	0A00011	3	0A00070	0A00011	md/U		04/98/90 10:05	04/. 0/90 18:1L	1
UeaM	0A000078	3	0A00097	0A000078	md/U		04/98/90 10:05	04/. 0/90 18:1L	1
Lithium	**0.013**		0A0010	0A000. 8	md/U		04/98/90 10:05	04/. 0/90 18:1L	1
h olybMenum	0A00050	3	0A00. 0	0A00050	md/U		04/98/90 10:05	04/. 0/90 18:1L	1
Selenium	0A0001L	3	0A00097	0A0001L	md/U		04/98/90 10:05	04/. 0/90 18:1L	1
T2allium	0A000094	3	0A00010	0A000094	md/U		04/98/90 10:05	04/. 0/90 18:1L	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
h ercury	0A000060	3	0A00090	0A000060	md/U		07/0L/90 08:1L	07/0L/90 1. :7L	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**36**		7A0	7A0	md/U			04/. 0/90 18:99	1
Chloride	**3.7**		9A0	1A4	md/U			07/04/90 17:78	1
FluoriMe	0A0. 9	3	0A10	0A0. 9	md/U			04/97/90 18:94	1
Sulfate	**3.3**	I	7A0	1A4	md/U			04/95/90 17:00	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.87**				S3			04/94/90 05:. 7	1

Client Sample Results

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

Job ID: 400-186974-1
SDG: GSg Delineation Samplind

Client Sample ID: MW-2032

Date Collected: 04/24/20 19:04
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-6

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gntimony	0A000. 0	3	0A00070	0A000. 0	md/U		04/98/90 10:05	04/. 0/90 18:15	1
grsenic	0A000068	3	0A00097	0A000068	md/U		04/98/90 10:05	07/01/90 16:49	1
Barium	**0.020**		0A00070	0A00014	md/U		04/98/90 10:05	04/. 0/90 18:15	1
Beryllium	**0.00011**	**I**	0A00070	0A000. 4	md/U		04/98/90 10:05	04/. 0/90 18:15	1
Boron	**0.010**		0A010	0A00. L	md/U		04/98/90 10:05	07/06/90 19:4.	1
CaMmium	0A00007L	3	0A00070	0A00007L	md/U		04/98/90 10:05	04/. 0/90 18:15	1
Calcium	**6.4**		0A070	0A097	md/U		04/98/90 10:05	04/. 0/90 18:15	1
C2romium	0A00090	3	0A00070	0A00090	md/U		04/98/90 10:05	04/. 0/90 18:15	1
Cobalt	**0.0016**		0A00070	0A00011	md/U		04/98/90 10:05	04/. 0/90 18:15	1
Lead	**0.00020**	**I**	0A00097	0A000078	md/U		04/98/90 10:05	04/. 0/90 18:15	1
Lithium	**0.0026**		0A0010	0A000. 8	md/U		04/98/90 10:05	04/. 0/90 18:15	1
h olybMenum	0A00050	3	0A00. 0	0A00050	md/U		04/98/90 10:05	04/. 0/90 18:15	1
Selenium	0A0001L	3	0A00097	0A0001L	md/U		04/98/90 10:05	04/. 0/90 18:15	1
Thallium	**0.000025**	**I**	0A00010	0A000094	md/U		04/98/90 10:05	04/. 0/90 18:15	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
h ercury	0A000060	3	0A00090	0A000060	md/U		07/0L/90 08:1L	07/0L/90 1. :78	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**42**		7A0	7A0	md/U			04/. 0/90 16:45	1
Chloride	**28**		9A0	1A4	md/U			07/04/90 1L:7.	1
FluoriMe	0A0. 9	3	0A10	0A0. 9	md/U			04/97/90 18:98	1
Sulfate	**2.8**	**I**	7A0	1A4	md/U			04/95/90 17:00	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.84**				S3			04/94/90 15:04	1

Client Sample ID: EB-04

Date Collected: 04/25/20 07:35
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-7

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gntimony	0A000. 0	3	0A00070	0A000. 0	md/U		04/98/90 10:05	04/. 0/90 18:99	1
grsenic	0A000068	3	0A00097	0A000068	md/U		04/98/90 10:05	07/01/90 16:79	1
Barium	0A00014	3	0A00070	0A00014	md/U		04/98/90 10:05	04/. 0/90 18:99	1
Beryllium	0A000. 4	3	0A00070	0A000. 4	md/U		04/98/90 10:05	04/. 0/90 18:99	1
Boron	0A00. L	3	0A010	0A00. L	md/U		04/98/90 10:05	07/06/90 19:4L	1
CaMmium	0A00007L	3	0A00070	0A00007L	md/U		04/98/90 10:05	04/. 0/90 18:99	1
Calcium	0A097	3	0A070	0A097	md/U		04/98/90 10:05	04/. 0/90 18:99	1
C2romium	0A00090	3	0A00070	0A00090	md/U		04/98/90 10:05	04/. 0/90 18:99	1
Cobalt	0A00011	3	0A00070	0A00011	md/U		04/98/90 10:05	04/. 0/90 18:99	1
UeaM	0A000078	3	0A00097	0A000078	md/U		04/98/90 10:05	04/. 0/90 18:99	1
Ut2ium	0A000. 8	3	0A0010	0A000. 8	md/U		04/98/90 10:05	04/. 0/90 18:99	1
h olybMenum	0A00050	3	0A00. 0	0A00050	md/U		04/98/90 10:05	04/. 0/90 18:99	1
Selenium	0A0001L	3	0A00097	0A0001L	md/U		04/98/90 10:05	04/. 0/90 18:99	1
T2allium	0A000094	3	0A00010	0A000094	md/U		04/98/90 10:05	04/. 0/90 18:99	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
h ercury	0A000060	3	0A00090	0A000060	md/U		07/0L/90 08:1L	07/0L/90 14:00	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total DissolveMSoliMs	7A0	3	7A0	7A0	md/U			04/. 0/90 18:99	1
C2loriMe	1A4	3	9A0	1A4	md/U			07/04/90 1L:7.	1
FluoriMe	0A0. 9	3	0A10	0A0. 9	md/U			04/97/90 18:. 0	1
Sulfate	1A4	3	7A0	1A4	md/U			04/95/90 17:00	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.48**				S3			04/97/90 06:. 7	1

Client Sample Results

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

Job ID: 400-186974-1
SDG: GSg Delineation Samplind

Client Sample ID: FB-04

Date Collected: 04/24/20 16:11
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-8

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gntimony	0A000. 0	3	0A00070	0A000. 0	md/U		04/98/90 10:05	04/. 0/90 18:9L	1
grsenic	0A000068	3	0A00097	0A000068	md/U		04/98/90 10:05	07/07/90 1L:4.	1
Barium	0A00014	3	0A00070	0A00014	md/U		04/98/90 10:05	04/. 0/90 18:9L	1
Beryllium	0A000. 4	3	0A00070	0A000. 4	md/U		04/98/90 10:05	04/. 0/90 18:9L	1
Boron	0A00. L	3	0A010	0A00. L	md/U		04/98/90 10:05	07/06/90 19:70	1
CaMmium	0A00007L	3	0A00070	0A00007L	md/U		04/98/90 10:05	04/. 0/90 18:9L	1
Calcium	0A097	3	0A070	0A097	md/U		04/98/90 10:05	04/. 0/90 18:9L	1
C2romium	0A00090	3	0A00070	0A00090	md/U		04/98/90 10:05	04/. 0/90 18:9L	1
Cobalt	0A00011	3	0A00070	0A00011	md/U		04/98/90 10:05	04/. 0/90 18:9L	1
UeaM	0A000078	3	0A00097	0A000078	md/U		04/98/90 10:05	04/. 0/90 18:9L	1
Ut2ium	0A000. 8	3	0A0010	0A000. 8	md/U		04/98/90 10:05	04/. 0/90 18:9L	1
h olybMenum	0A00050	3	0A00. 0	0A00050	md/U		04/98/90 10:05	04/. 0/90 18:9L	1
Selenium	0A0001L	3	0A00097	0A0001L	md/U		04/98/90 10:05	04/. 0/90 18:9L	1
T2allium	0A000094	3	0A00010	0A000094	md/U		04/98/90 10:05	04/. 0/90 18:9L	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
h ercury	0A000060	3	0A00090	0A000060	md/U		07/0L/90 08:1L	07/0L/90 14:09	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total DissolveMSoliMs	7A0	3	7A0	7A0	md/U			04/. 0/90 18:99	1
C2loriMe	1A4	3	9A0	1A4	md/U			07/04/90 1L:7.	1
FluoriMe	0A0. 9	3	0A10	0A0. 9	md/U			04/97/90 18:. 9	1
Sulfate	1A4	3	7A0	1A4	md/U			04/95/90 17:00	1

Client Sample ID: DUP-04
Date Collected: 04/24/20 18:04
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-9
Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gntimony	0A000. 0	3	0A00070	0A000. 0	md/U		04/98/90 10:05	04/. 0/90 18:95	1
grsenic	0A000068	3	0A00097	0A000068	md/U		04/98/90 10:05	07/07/90 1L:4L	1
Barium	**0.020**		0A00070	0A00014	md/U		04/98/90 10:05	04/. 0/90 18:95	1
Beryllium	**0.00010**	I	0A00070	0A000. 4	md/U		04/98/90 10:05	04/. 0/90 18:95	1
Boron	**0.013**		0A010	0A00. L	md/U		04/98/90 10:05	07/06/90 1. :00	1
CaMmium	0A00007L	3	0A00070	0A00007L	md/U		04/98/90 10:05	04/. 0/90 18:95	1
Calcium	**7.0**		0A070	0A097	md/U		04/98/90 10:05	04/. 0/90 18:95	1
C2romium	0A00090	3	0A00070	0A00090	md/U		04/98/90 10:05	04/. 0/90 18:95	1
Cobalt	**0.0016**		0A00070	0A00011	md/U		04/98/90 10:05	04/. 0/90 18:95	1
Lead	**0.00022**	I	0A00097	0A000078	md/U		04/98/90 10:05	04/. 0/90 18:95	1
Lithium	**0.0026**		0A0010	0A000. 8	md/U		04/98/90 10:05	04/. 0/90 18:95	1
h olybMenum	0A00050	3	0A00. 0	0A00050	md/U		04/98/90 10:05	04/. 0/90 18:95	1
Selenium	0A0001L	3	0A00097	0A0001L	md/U		04/98/90 10:05	04/. 0/90 18:95	1
Thallium	**0.000024**	I	0A00010	0A000094	md/U		04/98/90 10:05	04/. 0/90 18:95	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
h ercury	0A000060	3	0A00090	0A000060	md/U		07/0L/90 08:1L	07/0L/90 14:04	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**56**		7A0	7A0	md/U			04/. 0/90 18:99	1
Chloride	**27**		9A0	1A4	md/U			07/04/90 1L:7L	1
FluoriMe	0A0. 9	3	0A10	0A0. 9	md/U			04/97/90 18:. L	1
Sulfate	**2.8**	I	7A0	1A4	md/U			04/95/90 17:00	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.84**				S3			04/94/90 18:04	1

Client Sample ID: PZ-200D FF

Date Collected: 04/24/20 16:20
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-10

Matrix: Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gntimony, DissolveM	0A000. 0	3	0A00070	0A000. 0	md/U		04/98/90 10:05	04/. 0/90 18:. 9	1
Arsenic, Dissolved	**0.00013**	**I**	0A00097	0A000068	md/U		04/98/90 10:05	07/07/90 1L:70	1
Barium, Dissolved	**0.030**		0A00070	0A00014	md/U		04/98/90 10:05	04/. 0/90 18:. 9	1
Beryllium, DissolveM	0A000. 4	3	0A00070	0A000. 4	md/U		04/98/90 10:05	04/. 0/90 18:. 9	1
Boron, Dissolved	**0.030**		0A010	0A00. L	md/U		04/98/90 10:05	07/06/90 1. :0.	1
CaMmium, DissolveM	0A00007L	3	0A00070	0A00007L	md/U		04/98/90 10:05	04/. 0/90 18:. 9	1
Calcium, Dissolved	**4.2**		0A070	0A097	md/U		04/98/90 10:05	04/. 0/90 18:. 9	1
C2romium, DissolveM	0A00090	3	0A00070	0A00090	md/U		04/98/90 10:05	04/. 0/90 18:. 9	1
Cobalt, DissolveM	0A00011	3	0A00070	0A00011	md/U		04/98/90 10:05	04/. 0/90 18:. 9	1
UeaM DissolveM	0A000078	3	0A00097	0A000078	md/U		04/98/90 10:05	04/. 0/90 18:. 9	1
Lithium, Dissolved	**0.00083**	**I**	0A0010	0A000. 8	md/U		04/98/90 10:05	04/. 0/90 18:. 9	1
h olybMenum, DissolveM	0A00050	3	0A00. 0	0A00050	md/U		04/98/90 10:05	04/. 0/90 18:. 9	1
Selenium, DissolveM	0A0001L	3	0A00097	0A0001L	md/U		04/98/90 10:05	04/. 0/90 18:. 9	1
T2allium, DissolveM	0A000094	3	0A00010	0A000094	md/U		04/98/90 10:05	04/. 0/90 18:. 9	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
h ercury, DissolveM	0A000060	3	0A00090	0A000060	md/U		07/0L/90 08:1L	07/0L/90 14:10	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids Field Filtered	**54**		7A0	7A0	md/U			04/. 0/90 16:45	1
Chloride, Dissolved	**3.4**		9A0	1A4	md/U			07/04/90 1L:7L	1
Fluoride, Dissolved	**0.070**	**I V**	0A10	0A0. 9	md/U			04/97/90 18:40	1
Sulfate, Dissolved	**5.8**		7A0	1A4	md/U			04/. 0/90 19:94	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.68**				S3			04/94/90 1L:90	1

Qualifiers

Metals

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

General Chemistry

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Lab Chronicle

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

Job ID: 400-187254-1
SDG: GSg Delineation Samplind

Client Sample ID: PZ-200S
Date Collected: 04/25/20 07:43
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Notal RecoEerable	Prep	3005g			487132	04/28/20 10:0A	9K W	NgT PLW
Notal RecoEerable	gnalysis	v020		1	487v72	04/30/20 17:43	gK	NgT PLW
Notal RecoEerable	Prep	3005g			487132	04/28/20 10:0A	9K W	NgT PLW
Notal RecoEerable	gnalysis	v020		1	4882v5	05/05/20 15:43	gK	NgT PLW
Notal RecoEerable	Prep	3005g			487132	04/28/20 10:0A	9K W	NgT PLW
Notal RecoEerable	gnalysis	v020		100	488448	05/07/20 12:1A	gK	NgT PLW
Notal/Wg	Prep	7470g			487517	05/0v/20 08:1v	JgP	NgT PLW
Notal/Wg	gnalysis	7470g		1	488232	05/0v/20 13:4A	JgP	NgT PLW
Notal/Wg	gnalysis	S6 2540C		1	487v37	04/30/20 17:4A	CTM	NgT PLW
Notal/Wg	gnalysis	S6 4500 Cl- L		10	487Av2	05/04/20 1v:17	BLS	NgT PLW
Notal/Wg	gnalysis	S6 4500 H C		1	487053	04/25/20 18:02	6 gH	NgT PLW
Notal/Wg	gnalysis	S6 4500 SF 4 L		10	4874v5	04/2A/20 1v:48	BLS	NgT PLW
Notal/Wg	gnalysis	HielOSamplind		1	48833v	04/25/20 07:43	6 CS	NgT PLW

Client Sample ID: PZ-200D
Date Collected: 04/24/20 16:20
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Notal RecoEerable	Prep	3005g			487132	04/28/20 10:0A	9K W	NgT PLW
Notal RecoEerable	gnalysis	v020		1	487v72	04/30/20 18:0v	gK	NgT PLW
Notal RecoEerable	Prep	3005g			487132	04/28/20 10:0A	9K W	NgT PLW
Notal RecoEerable	gnalysis	v020		1	487841	05/01/20 17:2A	gK	NgT PLW
Notal RecoEerable	Prep	3005g			487132	04/28/20 10:0A	9K W	NgT PLW
Notal RecoEerable	gnalysis	v020		100	488448	05/07/20 12:2A	gK	NgT PLW
Notal/Wg	Prep	7470g			487517	05/0v/20 08:1v	JgP	NgT PLW
Notal/Wg	gnalysis	7470g		1	488232	05/0v/20 13:51	JgP	NgT PLW
Notal/Wg	gnalysis	S6 2540C		1	487v37	04/30/20 17:4A	CTM	NgT PLW
Notal/Wg	gnalysis	S6 4500 Cl- L		1	487Av2	05/04/20 15:58	BLS	NgT PLW
Notal/Wg	gnalysis	S6 4500 H C		1	487053	04/25/20 18:13	6 gH	NgT PLW
Notal/Wg	gnalysis	S6 4500 SF 4 L		1	4874v5	04/2A/20 15:00	BLS	NgT PLW
Notal/Wg	gnalysis	HielOSamplind		1	48833v	04/24/20 1v:20	6 CS	NgT PLW

Client Sample ID: GSA-2S
Date Collected: 04/25/20 08:20
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Notal RecoEerable	Prep	3005g			487132	04/28/20 10:0A	9K W	NgT PLW
Notal RecoEerable	gnalysis	v020		1	487v72	04/30/20 18:0A	gK	NgT PLW
Notal RecoEerable	Prep	3005g			487132	04/28/20 10:0A	9K W	NgT PLW
Notal RecoEerable	gnalysis	v020		1	4882v5	05/05/20 1v:0A	gK	NgT PLW
Notal RecoEerable	Prep	3005g			487132	04/28/20 10:0A	9K W	NgT PLW
Notal RecoEerable	gnalysis	v020		100	488448	05/07/20 12:33	gK	NgT PLW

Lurofins Nestgmerica=Pensacola

Lab Chronicle

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

Job ID: 400-187254-1
SDG: GSg Delineation Samplind

Client Sample ID: GSA-2S

Lab Sample ID: 400-187254-3
Matrix: Water
Date Collected: 04/25/20 08:20
Date Received: 04/25/20 11:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Notal/Wg	Prep	7470g			487517	05/0v/20 08:1v	JgP	NgT PLW
Notal/Wg	gnalysis	7470g		1	488232	05/0v/20 13:53	JgP	NgT PLW
Notal/Wg	gnalysis	S6 2540C		1	487v40	04/30/20 18:22	CTM	NgT PLW
Notal/Wg	gnalysis	S6 4500 Cl- L		5	487Av2	05/04/20 1v:23	BLS	NgT PLW
Notal/Wg	gnalysis	S6 4500 H C		1	487053	04/25/20 18:17	6 gH	NgT PLW
Notal/Wg	gnalysis	S6 4500 SF 4 L		2	4874v5	04/2A/20 15:43	BLS	NgT PLW
Notal/Wg	gnalysis	HielOSamplind		1	48833v	04/25/20 08:20	6 CS	NgT PLW

Client Sample ID: PZ-201D

Lab Sample ID: 400-187254-4
Matrix: Water
Date Collected: 04/24/20 13:10
Date Received: 04/25/20 11:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Notal RecoEerable	Prep	3005g			487132	04/28/20 10:0A	9K W	NgT PLW
Notal RecoEerable	gnalysis	v020		1	487v72	04/30/20 18:12	gK	NgT PLW
Notal RecoEerable	Prep	3005g			487132	04/28/20 10:0A	9K W	NgT PLW
Notal RecoEerable	gnalysis	v020		1	4882v5	05/05/20 1v:2A	gK	NgT PLW
Notal RecoEerable	Prep	3005g			487132	04/28/20 10:0A	9K W	NgT PLW
Notal RecoEerable	gnalysis	v020		1	488448	05/07/20 12:3v	gK	NgT PLW
Notal/Wg	Prep	7470g			487517	05/0v/20 08:1v	JgP	NgT PLW
Notal/Wg	gnalysis	7470g		1	488232	05/0v/20 13:55	JgP	NgT PLW
Notal/Wg	gnalysis	S6 2540C		1	487v40	04/30/20 18:22	CTM	NgT PLW
Notal/Wg	gnalysis	S6 4500 Cl- L		1	487Av2	05/04/20 15:58	BLS	NgT PLW
Notal/Wg	gnalysis	S6 4500 H C		1	487053	04/25/20 18:20	6 gH	NgT PLW
Notal/Wg	gnalysis	S6 4500 SF 4 L		1	4874v5	04/2A/20 15:00	BLS	NgT PLW
Notal/Wg	gnalysis	HielOSamplind		1	48833v	04/24/20 13:10	6 CS	NgT PLW

Client Sample ID: PZ-203D

Lab Sample ID: 400-187254-5
Matrix: Water
Date Collected: 04/24/20 09:35
Date Received: 04/25/20 11:49

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Notal RecoEerable	Prep	3005g			487132	04/28/20 10:0A	9K W	NgT PLW
Notal RecoEerable	gnalysis	v020		1	487v72	04/30/20 18:1v	gK	NgT PLW
Notal RecoEerable	Prep	3005g			487132	04/28/20 10:0A	9K W	NgT PLW
Notal RecoEerable	gnalysis	v020		1	487841	05/01/20 17:3A	gK	NgT PLW
Notal RecoEerable	Prep	3005g			487132	04/28/20 10:0A	9K W	NgT PLW
Notal RecoEerable	gnalysis	v020		1	488448	05/07/20 12:3A	gK	NgT PLW
Notal/Wg	Prep	7470g			487517	05/0v/20 08:1v	JgP	NgT PLW
Notal/Wg	gnalysis	7470g		1	488232	05/0v/20 13:5v	JgP	NgT PLW
Notal/Wg	gnalysis	S6 2540C		1	487v40	04/30/20 18:22	CTM	NgT PLW
Notal/Wg	gnalysis	S6 4500 Cl- L		1	487Av2	05/04/20 15:58	BLS	NgT PLW
Notal/Wg	gnalysis	S6 4500 H C		1	487053	04/25/20 18:24	6 gH	NgT PLW

Lab Chronicle

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

Job ID: 400-187254-1
SDG: GSg Delineation Samplind

Client Sample ID: PZ-203D
Date Collected: 04/24/20 09:35
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Notal/Wg	gnalysis	S6 4500 SF 4 L		1	4874v5	04/2A/20 15:00	BLS	NgT PLW
Notal/Wg	gnalysis	HielOSamplind		1	48833v	04/24/20 0A:35	6 CS	NgT PLW

Client Sample ID: MW-2032
Date Collected: 04/24/20 19:04
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Notal RecoEerable	Prep	3005g			487132	04/28/20 10:0A	9K W	NgT PLW
Notal RecoEerable	gnalysis	v020		1	487v72	04/30/20 18:1A	gK	NgT PLW
Notal RecoEerable	Prep	3005g			487132	04/28/20 10:0A	9K W	NgT PLW
Notal RecoEerable	gnalysis	v020		1	487841	05/01/20 17:42	gK	NgT PLW
Notal RecoEerable	Prep	3005g			487132	04/28/20 10:0A	9K W	NgT PLW
Notal RecoEerable	gnalysis	v020		1	488448	05/07/20 12:43	gK	NgT PLW
Notal/Wg	Prep	7470g			487517	05/0v/20 08:1v	JgP	NgT PLW
Notal/Wg	gnalysis	7470g		1	488232	05/0v/20 13:58	JgP	NgT PLW
Notal/Wg	gnalysis	S6 2540C		1	487v37	04/30/20 17:4A	CTM	NgT PLW
Notal/Wg	gnalysis	S6 4500 Cl- L		1	487Av8	05/04/20 1v:53	BLS	NgT PLW
Notal/Wg	gnalysis	S6 4500 H C		1	487053	04/25/20 18:28	6 gH	NgT PLW
Notal/Wg	gnalysis	S6 4500 SF 4 L		1	4874v5	04/2A/20 15:00	BLS	NgT PLW
Notal/Wg	gnalysis	HielOSamplind		1	48833v	04/24/20 1A:04	6 CS	NgT PLW

Client Sample ID: EB-04
Date Collected: 04/25/20 07:35
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Notal RecoEerable	Prep	3005g			487132	04/28/20 10:0A	9K W	NgT PLW
Notal RecoEerable	gnalysis	v020		1	487v72	04/30/20 18:22	gK	NgT PLW
Notal RecoEerable	Prep	3005g			487132	04/28/20 10:0A	9K W	NgT PLW
Notal RecoEerable	gnalysis	v020		1	487841	05/01/20 17:52	gK	NgT PLW
Notal RecoEerable	Prep	3005g			487132	04/28/20 10:0A	9K W	NgT PLW
Notal RecoEerable	gnalysis	v020		1	488448	05/07/20 12:4v	gK	NgT PLW
Notal/Wg	Prep	7470g			487517	05/0v/20 08:1v	JgP	NgT PLW
Notal/Wg	gnalysis	7470g		1	488232	05/0v/20 14:00	JgP	NgT PLW
Notal/Wg	gnalysis	S6 2540C		1	487v40	04/30/20 18:22	CTM	NgT PLW
Notal/Wg	gnalysis	S6 4500 Cl- L		1	487Av8	05/04/20 1v:53	BLS	NgT PLW
Notal/Wg	gnalysis	S6 4500 H C		1	487053	04/25/20 18:30	6 gH	NgT PLW
Notal/Wg	gnalysis	S6 4500 SF 4 L		1	4874v5	04/2A/20 15:00	BLS	NgT PLW
Notal/Wg	gnalysis	HielOSamplind		1	48833v	04/25/20 07:35	6 CS	NgT PLW

Lab Chronicle

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

Job ID: 400-187254-1
SDG: GSg Delineation Samplind

Client Sample ID: FB-04

Date Collected: 04/24/20 16:11
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Notal RecoEerable	Prep	3005g			487132	04/28/20 10:0A	9K W	NgT PLW
Notal RecoEerable	gnalysis	v020		1	487v72	04/30/20 18:2v	gK	NgT PLW
Notal RecoEerable	Prep	3005g			487132	04/28/20 10:0A	9K W	NgT PLW
Notal RecoEerable	gnalysis	v020		1	4882v5	05/05/20 1v:43	gK	NgT PLW
Notal RecoEerable	Prep	3005g			487132	04/28/20 10:0A	9K W	NgT PLW
Notal RecoEerable	gnalysis	v020		1	488448	05/07/20 12:50	gK	NgT PLW
Notal/Wg	Prep	7470g			487517	05/0v/20 08:1v	JgP	NgT PLW
Notal/Wg	gnalysis	7470g		1	488232	05/0v/20 14:02	JgP	NgT PLW
Notal/Wg	gnalysis	S6 2540C		1	487v40	04/30/20 18:22	CTM	NgT PLW
Notal/Wg	gnalysis	S6 4500 Cl- L		1	487Av8	05/04/20 1v:53	BLS	NgT PLW
Notal/Wg	gnalysis	S6 4500 H C		1	487053	04/25/20 18:32	6 gH	NgT PLW
Notal/Wg	gnalysis	S6 4500 SF 4 L		1	4874v5	04/2A/20 15:00	BLS	NgT PLW

Client Sample ID: DUP-04

Date Collected: 04/24/20 18:04
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Notal RecoEerable	Prep	3005g			487132	04/28/20 10:0A	9K W	NgT PLW
Notal RecoEerable	gnalysis	v020		1	487v72	04/30/20 18:2A	gK	NgT PLW
Notal RecoEerable	Prep	3005g			487132	04/28/20 10:0A	9K W	NgT PLW
Notal RecoEerable	gnalysis	v020		1	4882v5	05/05/20 1v:4v	gK	NgT PLW
Notal RecoEerable	Prep	3005g			487132	04/28/20 10:0A	9K W	NgT PLW
Notal RecoEerable	gnalysis	v020		1	488448	05/07/20 13:00	gK	NgT PLW
Notal/Wg	Prep	7470g			487517	05/0v/20 08:1v	JgP	NgT PLW
Notal/Wg	gnalysis	7470g		1	488232	05/0v/20 14:04	JgP	NgT PLW
Notal/Wg	gnalysis	S6 2540C		1	487v40	04/30/20 18:22	CTM	NgT PLW
Notal/Wg	gnalysis	S6 4500 Cl- L		1	487Av8	05/04/20 1v:5v	BLS	NgT PLW
Notal/Wg	gnalysis	S6 4500 H C		1	487053	04/25/20 18:3v	6 gH	NgT PLW
Notal/Wg	gnalysis	S6 4500 SF 4 L		1	4874v5	04/2A/20 15:00	BLS	NgT PLW
Notal/Wg	gnalysis	HielOSamplind		1	48833v	04/24/20 18:04	6 CS	NgT PLW

Client Sample ID: PZ-200D FF

Date Collected: 04/24/20 16:20
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
DissolEeO	Prep	3005g			487132	04/28/20 10:0A	9K W	NgT PLW
DissolEeO	gnalysis	v020		1	487v72	04/30/20 18:32	gK	NgT PLW
DissolEeO	Prep	3005g			487132	04/28/20 10:0A	9K W	NgT PLW
DissolEeO	gnalysis	v020		1	4882v5	05/05/20 1v:50	gK	NgT PLW
DissolEeO	Prep	3005g			487132	04/28/20 10:0A	9K W	NgT PLW
DissolEeO	gnalysis	v020		1	488448	05/07/20 13:03	gK	NgT PLW

Lab Chronicle

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

Job ID: 400-187254-1
SDG: GSg Delineation Samplind

Client Sample ID: PZ-200D FF

Date Collected: 04/24/20 16:20
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
DissolEeO	Prep	7470g			487517	05/0v/20 08:1v	JgP	NgT PLW
DissolEeO	gnalysis	7470g		1	488232	05/0v/20 14:10	JgP	NgT PLW
DissolEeO	gnalysis	S6 2540C		1	487v37	04/30/20 17:4A	CTM	NgT PLW
DissolEeO	gnalysis	S6 4500 Cl- L		1	487Av8	05/04/20 1v:5v	BLS	NgT PLW
DissolEeO	gnalysis	S6 4500 H C		1	487053	04/25/20 18:40	6 gH	NgT PLW
DissolEeO	gnalysis	S6 4500 SF 4 L		1	48758v	04/30/20 12:24	BLS	NgT PLW
Notal/Wg	gnalysis	HielO Samplind		1	48833v	04/24/20 1v:20	6 CS	NgT PLW

Laboratory References:

NgT PLW, Lurofins Nestgmerica=Pensacola=3355 6 cTemore DriEe=Pensacola=HT 32514=NLT (850)474-1001

Metals

Prep Batch: 48639L

bal Sample ID	Client Sample ID	Prep xype	Matrid	MethoF	Prep Batch
400-187254-1	PZ-200S	Total Recoverable	Water	3005A	
400-187254-2	PZ-200D	Total Recoverable	Water	3005A	
400-187254-3	GSA-2S	Total Recoverable	Water	3005A	
400-187254-4	PZ-201D	Total Recoverable	Water	3005A	
400-187254-5	PZ-203D	Total Recoverable	Water	3005A	
400-187254-6	MW-2032	Total Recoverable	Water	3005A	
400-187254-7	EB-04	Total Recoverable	Water	3005A	
400-187254-8	FB-04	Total Recoverable	Water	3005A	
400-187254-9	DUP-04	Total Recoverable	Water	3005A	
400-187254-10	PZ-200D FF	Dissolved	Water	3005A	
MB 400-487132/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 400-487132/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
400-187254-1 MS	PZ-200S	Total Recoverable	Water	3005A	
400-187254-1 MSD	PZ-200S	Total Recoverable	Water	3005A	

Prep Batch: 486536

bal Sample ID	Client Sample ID	Prep xype	Matrid	MethoF	Prep Batch
400-187254-1	PZ-200S	Total/NA	Water	7470A	
400-187254-2	PZ-200D	Total/NA	Water	7470A	
400-187254-3	GSA-2S	Total/NA	Water	7470A	
400-187254-4	PZ-201D	Total/NA	Water	7470A	
400-187254-5	PZ-203D	Total/NA	Water	7470A	
400-187254-6	MW-2032	Total/NA	Water	7470A	
400-187254-7	EB-04	Total/NA	Water	7470A	
400-187254-8	FB-04	Total/NA	Water	7470A	
400-187254-9	DUP-04	Total/NA	Water	7470A	
400-187254-10	PZ-200D FF	Dissolved	Water	7470A	
MB 400-487517/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-487517/15-A	Lab Control Sample	Total/NA	Water	7470A	
400-187401-A-1-B MS	Matrix Spike	Total/NA	Water	7470A	
400-187401-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 48626L

bal Sample ID	Client Sample ID	Prep xype	Matrid	MethoF	Prep Batch
400-187254-1	PZ-200S	Total Recoverable	Water	6020	487132
400-187254-2	PZ-200D	Total Recoverable	Water	6020	487132
400-187254-3	GSA-2S	Total Recoverable	Water	6020	487132
400-187254-4	PZ-201D	Total Recoverable	Water	6020	487132
400-187254-5	PZ-203D	Total Recoverable	Water	6020	487132
400-187254-6	MW-2032	Total Recoverable	Water	6020	487132
400-187254-7	EB-04	Total Recoverable	Water	6020	487132
400-187254-8	FB-04	Total Recoverable	Water	6020	487132
400-187254-9	DUP-04	Total Recoverable	Water	6020	487132
400-187254-10	PZ-200D FF	Dissolved	Water	6020	487132
MB 400-487132/1-A	Method Blank	Total Recoverable	Water	6020	487132
LCS 400-487132/2-A	Lab Control Sample	Total Recoverable	Water	6020	487132
400-187254-1 MS	PZ-200S	Total Recoverable	Water	6020	487132
400-187254-1 MSD	PZ-200S	Total Recoverable	Water	6020	487132

Metals

Analysis Batch: 486843

bal Sample ID	Client Sample ID	Prep xype	Matrid	MethoF	Prep Batch
400-187254-2	PZ-200D	Total Recoverable	Water	6020	487132
400-187254-5	PZ-203D	Total Recoverable	Water	6020	487132
400-187254-6	MW-2032	Total Recoverable	Water	6020	487132
400-187254-7	EB-04	Total Recoverable	Water	6020	487132
MB 400-487132/1-A	Method Blank	Total Recoverable	Water	6020	487132

Analysis Batch: 488L9L

bal Sample ID	Client Sample ID	Prep xype	Matrid	MethoF	Prep Batch
400-187254-1	PZ-200S	Total/NA	Water	7470A	487517
400-187254-2	PZ-200D	Total/NA	Water	7470A	487517
400-187254-3	GSA-2S	Total/NA	Water	7470A	487517
400-187254-4	PZ-201D	Total/NA	Water	7470A	487517
400-187254-5	PZ-203D	Total/NA	Water	7470A	487517
400-187254-6	MW-2032	Total/NA	Water	7470A	487517
400-187254-7	EB-04	Total/NA	Water	7470A	487517
400-187254-8	FB-04	Total/NA	Water	7470A	487517
400-187254-9	DUP-04	Total/NA	Water	7470A	487517
400-187254-10	PZ-200D FF	Dissolved	Water	7470A	487517
MB 400-487517/14-A	Method Blank	Total/NA	Water	7470A	487517
LCS 400-487517/15-A	Lab Control Sample	Total/NA	Water	7470A	487517
400-187401-A-1-B MS	Matrix Spike	Total/NA	Water	7470A	487517
400-187401-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	487517

Analysis Batch: 488L25

bal Sample ID	Client Sample ID	Prep xype	Matrid	MethoF	Prep Batch
400-187254-1	PZ-200S	Total Recoverable	Water	6020	487132
400-187254-3	GSA-2S	Total Recoverable	Water	6020	487132
400-187254-4	PZ-201D	Total Recoverable	Water	6020	487132
400-187254-8	FB-04	Total Recoverable	Water	6020	487132
400-187254-9	DUP-04	Total Recoverable	Water	6020	487132
400-187254-10	PZ-200D FF	Dissolved	Water	6020	487132
400-187254-1 MS	PZ-200S	Total Recoverable	Water	6020	487132
400-187254-1 MSD	PZ-200S	Total Recoverable	Water	6020	487132

Analysis Batch: 488448

bal Sample ID	Client Sample ID	Prep xype	Matrid	MethoF	Prep Batch
400-187254-1	PZ-200S	Total Recoverable	Water	6020	487132
400-187254-2	PZ-200D	Total Recoverable	Water	6020	487132
400-187254-3	GSA-2S	Total Recoverable	Water	6020	487132
400-187254-4	PZ-201D	Total Recoverable	Water	6020	487132
400-187254-5	PZ-203D	Total Recoverable	Water	6020	487132
400-187254-6	MW-2032	Total Recoverable	Water	6020	487132
400-187254-7	EB-04	Total Recoverable	Water	6020	487132
400-187254-8	FB-04	Total Recoverable	Water	6020	487132
400-187254-9	DUP-04	Total Recoverable	Water	6020	487132
400-187254-10	PZ-200D FF	Dissolved	Water	6020	487132
400-187254-1 MS	PZ-200S	Total Recoverable	Water	6020	487132
400-187254-1 MSD	PZ-200S	Total Recoverable	Water	6020	487132

0 eneral Chemistry

Analysis Batch: 486759

bal Sample ID	Client Sample ID	Prep xype	Matrid	MethoF	Prep Batch
400-187254-1	PZ-200S	Total/NA	Water	SM 4500 F C	
400-187254-2	PZ-200D	Total/NA	Water	SM 4500 F C	
400-187254-3	GSA-2S	Total/NA	Water	SM 4500 F C	
400-187254-4	PZ-201D	Total/NA	Water	SM 4500 F C	
400-187254-5	PZ-203D	Total/NA	Water	SM 4500 F C	
400-187254-6	MW-2032	Total/NA	Water	SM 4500 F C	
400-187254-7	EB-04	Total/NA	Water	SM 4500 F C	
400-187254-8	FB-04	Total/NA	Water	SM 4500 F C	
400-187254-9	DUP-04	Total/NA	Water	SM 4500 F C	
400-187254-10	PZ-200D FF	Dissolved	Water	SM 4500 F C	
MB 400-487053/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-487053/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
400-187254-1 MS	PZ-200S	Total/NA	Water	SM 4500 F C	
400-187254-1 MSD	PZ-200S	Total/NA	Water	SM 4500 F C	
400-187257-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	

Analysis Batch: 486425

bal Sample ID	Client Sample ID	Prep xype	Matrid	MethoF	Prep Batch
400-187254-1	PZ-200S	Total/NA	Water	SM 4500 SO4 E	
400-187254-2	PZ-200D	Total/NA	Water	SM 4500 SO4 E	
400-187254-3	GSA-2S	Total/NA	Water	SM 4500 SO4 E	
400-187254-4	PZ-201D	Total/NA	Water	SM 4500 SO4 E	
400-187254-5	PZ-203D	Total/NA	Water	SM 4500 SO4 E	
400-187254-6	MW-2032	Total/NA	Water	SM 4500 SO4 E	
400-187254-7	EB-04	Total/NA	Water	SM 4500 SO4 E	
400-187254-8	FB-04	Total/NA	Water	SM 4500 SO4 E	
400-187254-9	DUP-04	Total/NA	Water	SM 4500 SO4 E	
MB 400-487465/33	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-487465/34	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-487465/30	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-187254-1 MS	PZ-200S	Total/NA	Water	SM 4500 SO4 E	
400-187254-1 MSD	PZ-200S	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 486582

bal Sample ID	Client Sample ID	Prep xype	Matrid	MethoF	Prep Batch
400-187254-10	PZ-200D FF	Dissolved	Water	SM 4500 SO4 E	
MB 400-487586/5	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-487586/6	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
LCSD 400-487586/26	Lab Control Sample Dup	Total/NA	Water	SM 4500 SO4 E	
MRL 400-487586/3	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
480-169087-C-8 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
480-169087-C-8 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 486296

bal Sample ID	Client Sample ID	Prep xype	Matrid	MethoF	Prep Batch
400-187254-1	PZ-200S	Total/NA	Water	SM 2540C	
400-187254-2	PZ-200D	Total/NA	Water	SM 2540C	
400-187254-6	MW-2032	Total/NA	Water	SM 2540C	
400-187254-10	PZ-200D FF	Dissolved	Water	SM 2540C	
MB 400-487637/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-487637/2	Lab Control Sample	Total/NA	Water	SM 2540C	

0 eneral Chemistry 1ContinueFG

Analysis Batch: 486296 1ContinueFG

bal Sample ID	Client Sample ID	Prep xype	Matrid	MethoF	Prep Batch
400-187263-D-2 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 486247

bal Sample ID	Client Sample ID	Prep xype	Matrid	MethoF	Prep Batch
400-187254-3	GSA-2S	Total/NA	Water	SM 2540C	
400-187254-4	PZ-201D	Total/NA	Water	SM 2540C	
400-187254-5	PZ-203D	Total/NA	Water	SM 2540C	
400-187254-7	EB-04	Total/NA	Water	SM 2540C	
400-187254-8	FB-04	Total/NA	Water	SM 2540C	
400-187254-9	DUP-04	Total/NA	Water	SM 2540C	
MB 400-487640/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-487640/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-187266-A-1 DU	Duplicate	Total/NA	Water	SM 2540C	
400-187292-A-4 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 486(2L

bal Sample ID	Client Sample ID	Prep xype	Matrid	MethoF	Prep Batch
400-187254-1	PZ-200S	Total/NA	Water	SM 4500 Cl- E	
400-187254-2	PZ-200D	Total/NA	Water	SM 4500 Cl- E	
400-187254-3	GSA-2S	Total/NA	Water	SM 4500 Cl- E	
400-187254-4	PZ-201D	Total/NA	Water	SM 4500 Cl- E	
400-187254-5	PZ-203D	Total/NA	Water	SM 4500 Cl- E	
MB 400-487962/6	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-487962/7	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-487962/3	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-187058-E-21 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- E	
400-187058-E-21 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- E	
400-187172-C-1 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- E	
400-187172-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 486(28

bal Sample ID	Client Sample ID	Prep xype	Matrid	MethoF	Prep Batch
400-187254-6	MW-2032	Total/NA	Water	SM 4500 Cl- E	
400-187254-7	EB-04	Total/NA	Water	SM 4500 Cl- E	
400-187254-8	FB-04	Total/NA	Water	SM 4500 Cl- E	
400-187254-9	DUP-04	Total/NA	Water	SM 4500 Cl- E	
400-187254-10	PZ-200D FF	Dissolved	Water	SM 4500 Cl- E	
MB 400-487968/6	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-487968/7	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-487968/3	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-187254-6 MS	MW-2032	Total/NA	Water	SM 4500 Cl- E	
400-187254-6 MSD	MW-2032	Total/NA	Water	SM 4500 Cl- E	

) ielF Service / Mol ile bal

Analysis Batch: 488992

bal Sample ID	Client Sample ID	Prep xype	Matrid	MethoF	Prep Batch
400-187254-1	PZ-200S	Total/NA	Water	Field Sampling	
400-187254-2	PZ-200D	Total/NA	Water	Field Sampling	
400-187254-3	GSA-2S	Total/NA	Water	Field Sampling	
400-187254-4	PZ-201D	Total/NA	Water	Field Sampling	

) ielF Service / Mol ile bal 1ContinueFG

Analysis Batch: 488992 1ContinueFG

bal Sample D	Client Sample D	Prep xype	Matrid	MethoF	Prep Batch
400-187254-5	PZ-203D	Total/NA	Water	Field Sampling	
400-187254-6	MW-2032	Total/NA	Water	Field Sampling	
400-187254-7	EB-04	Total/NA	Water	Field Sampling	
400-187254-9	DUP-04	Total/NA	Water	Field Sampling	
400-187254-10	PZ-200D FF	Total/NA	Water	Field Sampling	

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 400-487132/1-A
Matrix: Water
Analysis Batch: 487672

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 487132

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gntimony	0A000. 0	3	0A00070	0A000. 0	md/U		04/98/90 10:05	04/. 0/90 1. :41	1
gntimonyLDissol2eB	0A000. 0	3	0A00070	0A000. 0	md/U		04/98/90 10:05	04/. 0/90 1. :41	1
harium	0A00014	3	0A00070	0A00014	md/U		04/98/90 10:05	04/. 0/90 1. :41	1
hariumLDissol2eB	0A00014	3	0A00070	0A00014	md/U		04/98/90 10:05	04/. 0/90 1. :41	1
heryllium	0A000. 4	3	0A00070	0A000. 4	md/U		04/98/90 10:05	04/. 0/90 1. :41	1
herylliumLDissol2eB	0A000. 4	3	0A00070	0A000. 4	md/U		04/98/90 10:05	04/. 0/90 1. :41	1
horon	0A00. M	3	0A010	0A00. M	md/U		04/98/90 10:05	04/. 0/90 1. :41	1
horonLDissol2eB	0A00. M	3	0A010	0A00. M	md/U		04/98/90 10:05	04/. 0/90 1. :41	1
CaBmium	0A00007M	3	0A00070	0A00007M	md/U		04/98/90 10:05	04/. 0/90 1. :41	1
CaBmiumLDissol2eB	0A00007M	3	0A00070	0A00007M	md/U		04/98/90 10:05	04/. 0/90 1. :41	1
Calcium	0A097	3	0A070	0A097	md/U		04/98/90 10:05	04/. 0/90 1. :41	1
CalciumLDissol2eB	0A097	3	0A070	0A097	md/U		04/98/90 10:05	04/. 0/90 1. :41	1
CTromium	0A00090	3	0A00070	0A00090	md/U		04/98/90 10:05	04/. 0/90 1. :41	1
CTromiumLDissol2eB	0A00090	3	0A00070	0A00090	md/U		04/98/90 10:05	04/. 0/90 1. :41	1
Cobalt	0A00011	3	0A00070	0A00011	md/U		04/98/90 10:05	04/. 0/90 1. :41	1
CobaltLDissol2eB	0A00011	3	0A00070	0A00011	md/U		04/98/90 10:05	04/. 0/90 1. :41	1
UeaB	0A000078	3	0A00097	0A000078	md/U		04/98/90 10:05	04/. 0/90 1. :41	1
UeaBLDissol2eB	0A000078	3	0A00097	0A000078	md/U		04/98/90 10:05	04/. 0/90 1. :41	1
UtTium	0A000. 8	3	0A0010	0A000. 8	md/U		04/98/90 10:05	04/. 0/90 1. :41	1
UtTiumLDissol2eB	0A000. 8	3	0A0010	0A000. 8	md/U		04/98/90 10:05	04/. 0/90 1. :41	1
E olybBenum	0A00050	3	0A00. 0	0A00050	md/U		04/98/90 10:05	04/. 0/90 1. :41	1
E olybBenumLDissol2eB	0A00050	3	0A00. 0	0A00050	md/U		04/98/90 10:05	04/. 0/90 1. :41	1
Selenium	0A0001M	3	0A00097	0A0001M	md/U		04/98/90 10:05	04/. 0/90 1. :41	1
SeleniumLDissol2eB	0A0001M	3	0A00097	0A0001M	md/U		04/98/90 10:05	04/. 0/90 1. :41	1
, Tallium	0A000094	3	0A00010	0A000094	md/U		04/98/90 10:05	04/. 0/90 1. :41	1
, TalliumLDissol2eB	0A000094	3	0A00010	0A000094	md/U		04/98/90 10:05	04/. 0/90 1. :41	1

Lab Sample ID: MB 400-487132/1-A
Matrix: Water
Analysis Batch: 487841

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 487132

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
grsenic	0A000068	3	0A00097	0A000068	md/U		04/98/90 10:05	07/01/90 16:1M	1

Lab Sample ID: LCS 400-487132/2-A
Matrix: Water
Analysis Batch: 487672

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 487132

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
gntimony	0A0700	0A0748		md/U		110	80 - 190
gntimonyLDissol2eB	0A0700	0A0748		md/U		110	80 - 190
grsenic	0A0700	0A0459		md/U		58	80 - 190
grsenicLDissol2eB	0A0700	0A0459		md/U		58	80 - 190
harium	0A0700	0A045.		md/U		55	80 - 190
hariumLDissol2eB	0A0700	0A045.		md/U		55	80 - 190
heryllium	0A0700	0A070M		md/U		101	80 - 190
herylliumLDissol2eB	0A0700	0A070M		md/U		101	80 - 190
horon	0A100	0A056.		md/U		56	80 - 190
horonLDissol2eB	0A100	0A056.		md/U		56	80 - 190

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

Lab Sample ID: LCS 400-487132/2-A
Matrix: Water
Analysis Batch: 487672

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 487132

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
CaBmium	0A0700	0A0716		md/U		10.	80 - 190
CaBmiumLDissol2eB	0A0700	0A0716		md/U		10.	80 - 190
Calcium	7A00	4AM6		md/U		5.	80 - 190
CalciumLDissol2eB	7A00	4AM6		md/U		5.	80 - 190
CTromium	0A0700	0A0701		md/U		100	80 - 190
CTromiumLDissol2eB	0A0700	0A0701		md/U		100	80 - 190
Cobalt	0A0700	0A0455		md/U		100	80 - 190
CobaltLDissol2eB	0A0700	0A0455		md/U		100	80 - 190
UeaB	0A0700	0A0458		md/U		100	80 - 190
UeaBLDissol2eB	0A0700	0A0458		md/U		100	80 - 190
UtTium	0A0700	0A0701		md/U		100	80 - 190
UtTiumLDissol2eB	0A0700	0A0701		md/U		100	80 - 190
E olybBenum	0A0700	0A0708		md/U		109	80 - 190
E olybBenumLDissol2eB	0A0700	0A0708		md/U		109	80 - 190
Selenium	0A0700	0A0715		md/U		104	80 - 190
SeleniumLDissol2eB	0A0700	0A0715		md/U		104	80 - 190
, Tallium	0A0100	0A0104		md/U		104	80 - 190
, TalliumLDissol2eB	0A0100	0A0104		md/U		104	80 - 190

Lab Sample ID: 400-187254-1 MS
Matrix: Water
Analysis Batch: 487672

Client Sample ID: PZ-200S
Prep Type: Total Recoverable
Prep Batch: 487132

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
gntimony	0A000. 0	3	0A0700	0A0454		md/U		55	67 - 197
gntimonyLDissol2eB	0A000. 0	3	0A0700	0A0454		md/U		55	67 - 197
grsenic	0A000M7	v	0A0700	0A0459		md/U		56	67 - 197
grsenicLDissol2eB	0A000M7	v	0A0700	0A0459		md/U		56	67 - 197
harium	0A070		0A0700	0A0585		md/U		58	67 - 197
hariumLDissol2eB	0A070		0A0700	0A0585		md/U		58	67 - 197
heryllium	0A0000. 6	I	0A0700	0A0480		md/U		5M	67 - 197
herylliumLDissol2eB	0A0000. 6	I	0A0700	0A0480		md/U		5M	67 - 197
horon	11		0A100	11A	J.	md/U		-98M	67 - 197
horonLDissol2eB	11		0A100	11A	J.	md/U		-98M	67 - 197
CaBmium	0A00011	I	0A0700	0A045.		md/U		58	67 - 197
CaBmiumLDissol2eB	0A00011	I	0A0700	0A045.		md/U		58	67 - 197
Calcium	910		7A00	910	J.	md/U		-5	67 - 197
CalciumLDissol2eB	910		7A00	910	J.	md/U		-5	67 - 197
CTromium	0A00090	3	0A0700	0A04M0		md/U		59	67 - 197
CTromiumLDissol2eB	0A00090	3	0A0700	0A04M0		md/U		59	67 - 197
Cobalt	0A0071		0A0700	0A04MM		md/U		8.	67 - 197
CobaltLDissol2eB	0A0071		0A0700	0A04MM		md/U		8.	67 - 197
UeaB	0A000M		0A0700	0A0488		md/U		5M	67 - 197
UeaBLDissol2eB	0A000M		0A0700	0A0488		md/U		5M	67 - 197
UtTium	0A00049	I	0A0700	0A0457		md/U		58	67 - 197
UtTiumLDissol2eB	0A00049	I	0A0700	0A0457		md/U		58	67 - 197
E olybBenum	0A00050	3	0A0700	0A0488		md/U		58	67 - 197
E olybBenumLDissol2eB	0A00050	3	0A0700	0A0488		md/U		58	67 - 197
Selenium	0A0095		0A0700	0A0796		md/U		100	67 - 197

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

Lab Sample ID: 400-187254-1 MS
Matrix: Water
Analysis Batch: 487672

Client Sample ID: PZ-200S
Prep Type: Total Recoverable
Prep Batch: 487132

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
SeleniumLDissol2eB	0A0095		0A0700	0A0796		md/U		100	67 - 197
, Tallium	0A00018		0A0100	0A00551		md/U		56	67 - 197
, TalliumLDissol2eB	0A00018		0A0100	0A00551		md/U		56	67 - 197

Lab Sample ID: 400-187254-1 MS
Matrix: Water
Analysis Batch: 488265

Client Sample ID: PZ-200S
Prep Type: Total Recoverable
Prep Batch: 487132

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
grsenic	0A00049		0A0700	0A0790		md/U		10.	67 - 197
grsenicLDissol2eB	0A00049		0A0700	0A0790		md/U		10.	67 - 197

Lab Sample ID: 400-187254-1 MS
Matrix: Water
Analysis Batch: 488448

Client Sample ID: PZ-200S
Prep Type: Total Recoverable
Prep Batch: 487132

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
horon	1.		0A100	194	J.	md/U		948	67 - 197

Lab Sample ID: 400-187254-1 MSD
Matrix: Water
Analysis Batch: 487672

Client Sample ID: PZ-200S
Prep Type: Total Recoverable
Prep Batch: 487132

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
gntimony	0A000. 0	3	0A0700	0A0706		md/U		101	67 - 197	.	90
gntimonyLDissol2eB	0A000. 0	3	0A0700	0A0706		md/U		101	67 - 197	.	90
grsenic	0A000M7	v	0A0700	0A0465		md/U		57	67 - 197	.	90
grsenicLDissol2eB	0A000M7	v	0A0700	0A0465		md/U		57	67 - 197	.	90
harium	0A070		0A0700	0A0568		md/U		5M	67 - 197	1	90
hariumLDissol2eB	0A070		0A0700	0A0568		md/U		5M	67 - 197	1	90
heryllium	0A000. 6	I	0A0700	0A0465		md/U		5M	67 - 197	0	90
herylliumLDissol2eB	0A000. 6	I	0A0700	0A0465		md/U		5M	67 - 197	0	90
horon	11		0A100	11A0	J.	md/U		-. . 6	67 - 197	0	90
horonLDissol2eB	11		0A100	11A0	J.	md/U		-. . 6	67 - 197	0	90
CaBmium	0A00011	I	0A0700	0A0708		md/U		101	67 - 197	.	90
CaBmiumLDissol2eB	0A00011	I	0A0700	0A0708		md/U		101	67 - 197	.	90
Calcium	910		7A00	91M		md/U		57	67 - 197	9	90
CalciumLDissol2eB	910		7A00	91M		md/U		57	67 - 197	9	90
CTromium	0A00090	3	0A0700	0A0475		md/U		59	67 - 197	0	90
CTromiumLDissol2eB	0A00090	3	0A0700	0A0475		md/U		59	67 - 197	0	90
Cobalt	0A0071		0A0700	0A04M8		md/U		84	67 - 197	0	90
CobaltLDissol2eB	0A0071		0A0700	0A04M8		md/U		84	67 - 197	0	90
UeaB	0A000M		0A0700	0A0454		md/U		56	67 - 197	1	90
UeaBLDissol2eB	0A000M		0A0700	0A0454		md/U		56	67 - 197	1	90
UtTium	0A00049	I	0A0700	0A0450		md/U		56	67 - 197	1	90
UtTiumLDissol2eB	0A00049	I	0A0700	0A0450		md/U		56	67 - 197	1	90
E olybBenum	0A00050	3	0A0700	0A0486		md/U		56	67 - 197	0	90
E olybBenumLDissol2eB	0A00050	3	0A0700	0A0486		md/U		56	67 - 197	0	90
Selenium	0A0095		0A0700	0A0795		md/U		100	67 - 197	0	90

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

Lab Sample ID: 400-187254-1 MSD
Matrix: Water
Analysis Batch: 487672

Client Sample ID: PZ-200S
Prep Type: Total Recoverable
Prep Batch: 487132

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
SeleniumLDissol2eB	0A0095		0A0700	0A0795		md/U		100	67 - 197	0	90
, Tallium	0A00018		0A0100	0A0101		md/U		55	67 - 197	9	90
, TalliumLDissol2eB	0A00018		0A0100	0A0101		md/U		55	67 - 197	9	90

Lab Sample ID: 400-187254-1 MSD
Matrix: Water
Analysis Batch: 488265

Client Sample ID: PZ-200S
Prep Type: Total Recoverable
Prep Batch: 487132

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
grsenic	0A00049		0A0700	0A07. 1		md/U		107	67 - 197	9	90
grsenicLDissol2eB	0A00049		0A0700	0A07. 1		md/U		107	67 - 197	9	90

Lab Sample ID: 400-187254-1 MSD
Matrix: Water
Analysis Batch: 488448

Client Sample ID: PZ-200S
Prep Type: Total Recoverable
Prep Batch: 487132

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
horon	1.		0A100	19A6	J.	md/U		. 9	67 - 197	9	90

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 400-487517/14-A
Matrix: Water
Analysis Batch: 488232

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 487517

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
E ercury	0A000060	3	0A00090	0A000060	md/U		07/0M/90 08:1M	07/0M/90 1. :16	1
E ercuryLDissol2eB	0A000060	3	0A00090	0A000060	md/U		07/0M/90 08:1M	07/0M/90 1. :16	1

Lab Sample ID: LCS 400-487517/15-A
Matrix: Water
Analysis Batch: 488232

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 487517

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
E ercury	0A00101	0A00100		md/U		55	80 - 190
E ercuryLDissol2eB	0A00101	0A00100		md/U		55	80 - 190

Lab Sample ID: 400-187401-A-1-B MS
Matrix: Water
Analysis Batch: 488232

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 487517

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
E ercury	0A000060	3	0A00901	0A00171	J.	md/U		67	80 - 190
E ercuryLDissol2eB	0A000060	3	0A00901	0A00171	J.	md/U		67	80 - 190

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

Lab Sample ID: 400-187401-A-1-C MSD
Matrix: Water
Analysis Batch: 488232

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 487517

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
E ercury	0A000060	3	0A00901	0A00148	J.	md/U		6.	80 - 190	9	90
E ercuryLDissol2eB	0A000060	3	0A00901	0A00148	J.	md/U		6.	80 - 190	9	90

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

Lab Sample ID: MB 400-487637/1
Matrix: Water
Analysis Batch: 487637

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
, otal Dissol2eB SoliBs	7A0	3	7A0	7A0	md/U			04/. 0/90 16:45	1
, otal Dissol2eB SoliBs FielB FiltereB	7A0	3	7A0	7A0	md/U			04/. 0/90 16:45	1

Lab Sample ID: LCS 400-487637/2
Matrix: Water
Analysis Batch: 487637

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
, otal Dissol2eB SoliBs			95.	. 78		md/U		199	68 - 199		
, otal Dissol2eB SoliBs FielB FiltereB			95.	. 78		md/U		199	68 - 199		

Lab Sample ID: 400-187263-D-2 DU
Matrix: Water
Analysis Batch: 487637

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
, otal Dissol2eB SoliBs	9. 0			9. 4		md/U				0A5	7
, otal Dissol2eB SoliBs FielB FiltereB	9. 0			9. 4		md/U				0A5	7

Lab Sample ID: MB 400-487640/1
Matrix: Water
Analysis Batch: 487640

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
, otal Dissol2eB SoliBs	7A0	3	7A0	7A0	md/U			04/. 0/90 18:99	1

Lab Sample ID: LCS 400-487640/2
Matrix: Water
Analysis Batch: 487640

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
, otal Dissol2eB SoliBs			95.	. 4M		md/U		118	68 - 199		

Lab Sample ID: 400-187266-A-1 DU
Matrix: Water
Analysis Batch: 487640

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
, otal Dissol2eB SoliBs	1. 0			1. 9		md/U				7	7

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

Lab Sample ID: 400-187292-A-4 DU
Matrix: Water
Analysis Batch: 487640

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
, otal Dissol2eB SoliBs	970			97M		md/U				4	7

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-487962/6
Matrix: Water
Analysis Batch: 487962

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
CTloriBe	1A4	3	9A0	1A4	md/U			07/04/90 17:48	1

Lab Sample ID: LCS 400-487962/7
Matrix: Water
Analysis Batch: 487962

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
CTloriBe			. 0A0	. 1A5		md/U		10M	50 - 110		

Lab Sample ID: MRL 400-487962/3
Matrix: Water
Analysis Batch: 487962

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
CTloriBe			9A00	1A65	I	md/U		85	70 - 170		

Lab Sample ID: 400-187058-E-21 MS
Matrix: Water
Analysis Batch: 487962

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		
CTloriBe	4AM		10A0	1MA.		md/U		11M	6. - 190		

Lab Sample ID: 400-187058-E-21 MSD
Matrix: Water
Analysis Batch: 487962

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
CTloriBe	4AM		10A0	1M9		md/U		11M	6. - 190	0	8

Lab Sample ID: 400-187172-C-1 MS
Matrix: Water
Analysis Batch: 487962

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		
CTloriBe	1900		10A0	1140	J.	md/U		-709	6. - 190		

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

Lab Sample ID: 400-187172-C-1 MSD
Matrix: Water
Analysis Batch: 487962

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
CTloriBe	1900		10A0	1190	J.	md/U		-M80	6. - 190	9	8

Lab Sample ID: MB 400-487968/6
Matrix: Water
Analysis Batch: 487968

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
CTloriBe	1A4	3	9A0	1A4	md/U			07/04/90 1M7.	1
CTloriBeLDissol2eB	1A4	3	9A0	1A4	md/U			07/04/90 1M7.	1

Lab Sample ID: LCS 400-487968/7
Matrix: Water
Analysis Batch: 487968

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
CTloriBe	. 0A0	. 9A		md/U		108	50 - 110
CTloriBeLDissol2eB	. 0A0	. 9A		md/U		108	50 - 110

Lab Sample ID: MRL 400-487968/3
Matrix: Water
Analysis Batch: 487968

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
CTloriBe	9A00	1A88	I	md/U		54	70 - 170
CTloriBeLDissol2eB	9A00	1A88	I	md/U		54	70 - 170

Lab Sample ID: 400-187254-6 MS
Matrix: Water
Analysis Batch: 487968

Client Sample ID: MW-2032
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
CTloriBe	98		10A0	. 6A0		md/U		59	6. - 190
CTloriBeLDissol2eB	98		10A0	. 6A0		md/U		59	6. - 190

Lab Sample ID: 400-187254-6 MSD
Matrix: Water
Analysis Batch: 487968

Client Sample ID: MW-2032
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
CTloriBe	98		10A0	. 6A1		md/U		5.	6. - 190	0	8
CTloriBeLDissol2eB	98		10A0	. 6A1		md/U		5.	6. - 190	0	8

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-487053/3
Matrix: Water
Analysis Batch: 487053

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
FluoriBe	0A0700	I	0A10	0A0. 9	md/U			04/97/90 16:71	1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: MB 400-487053/3
Matrix: Water
Analysis Batch: 487053

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
FluoriBeLDissol2eB	0A0700	I	0A10	0A0. 9	md/U			04/97/90 16:71	1

Lab Sample ID: LCS 400-487053/4
Matrix: Water
Analysis Batch: 487053

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
FluoriBe			4A00	4A08		md/U		109	50 - 110		
FluoriBeLDissol2eB			4A00	4A08		md/U		109	50 - 110		

Lab Sample ID: 400-187254-1 MS
Matrix: Water
Analysis Batch: 487053

Client Sample ID: PZ-200S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
FluoriBe	0A0. 9	3	1A00	0A550		md/U		55	67 - 197		
FluoriBeLDissol2eB	0A0. 9	3	1A00	0A550		md/U		55	67 - 197		

Lab Sample ID: 400-187254-1 MSD
Matrix: Water
Analysis Batch: 487053

Client Sample ID: PZ-200S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
FluoriBe	0A0. 9	3	1A00	0A550		md/U		55	67 - 197	0	4
FluoriBeLDissol2eB	0A0. 9	3	1A00	0A550		md/U		55	67 - 197	0	4

Lab Sample ID: 400-187257-B-1 MSD
Matrix: Water
Analysis Batch: 487053

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
FluoriBe	0A5	v	1A00	1A4.		md/U		104	67 - 197	0	4
FluoriBeLDissol2eB	0A5	v	1A00	1A4.		md/U		104	67 - 197	0	4

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-487465/33
Matrix: Water
Analysis Batch: 487465

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	1A4	3	7A0	1A4	md/U			04/95/90 17:. M	1

Lab Sample ID: LCS 400-487465/34
Matrix: Water
Analysis Batch: 487465

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfate			17A0	14A9		md/U		57	50 - 110		

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

Lab Sample ID: MRL 400-487465/30
Matrix: Water
Analysis Batch: 487465

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfate			7A00	4A14	I	md/U		8.	70 - 170		

Lab Sample ID: 400-187254-1 MS
Matrix: Water
Analysis Batch: 487465

Client Sample ID: PZ-200S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfate	900		10A0	909	J.	md/U		46	66 - 198		

Lab Sample ID: 400-187254-1 MSD
Matrix: Water
Analysis Batch: 487465

Client Sample ID: PZ-200S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	900		10A0	904	J.	md/U		M8	66 - 198	1	7

Lab Sample ID: MB 400-487586/5
Matrix: Water
Analysis Batch: 487586

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
SulfateLDissol2eB	1A4	3	7A0	1A4	md/U			04/. 0/90 19:19	1

Lab Sample ID: LCS 400-487586/6
Matrix: Water
Analysis Batch: 487586

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
SulfateLDissol2eB			17A0	14A6		md/U		58	50 - 110		

Lab Sample ID: MRL 400-487586/3
Matrix: Water
Analysis Batch: 487586

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
SulfateLDissol2eB			7A00	4A8M	I	md/U		56	70 - 170		

Lab Sample ID: 480-169087-C-8 MS
Matrix: Water
Analysis Batch: 487586

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		
SulfateLDissol2eB	16		10A0	98A		md/U		117	66 - 198		

Lab Sample ID: 480-169087-C-8 MSD
Matrix: Water
Analysis Batch: 487586

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
SulfateLDissol2eB	16		10A0	98A8		md/U		190	66 - 198	9	7

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

400-187254 COC

Client Information	Sampler: Colton / Rick	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-93954-23631.1
Client Contact: Mr. Mike Markey	Phone:	E-Mail: cheyenne.whitmire@testamericainc.com		Page: Page 1 of 1
Company: Gulf Power Company				Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520				
Phone: 850-444-6573(Tel)	PO #: Purchase Order not required			
Email: richard.markey@nexteraenergy.com	WO #:			
Project Name: CCR Plant Crist GSA Delineation Sampling	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N	D	N	N		
PZ-200S	4/23/20	0743	G	Water			4	4	4	4	4	4		
PZ-200D	4/24/20	1628		Water										
GSA-2S	4/24/20	0820		Water										
PZ-201D	4/24/20	1319		Water										
PZ-203D	4/24/20	0935		Water										
~~GE-1D~~ MW-2032	4/24/20	1804		Water										
EB-04	4/25/20	0735		Water										
FB-04	4/24/20	1611		Water										
~~DUP-04~~	~~4/24/20~~	~~1804~~		Water										
Dup-04	4/24/20	1804		Water										

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	4/25/20 1149	RDH			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 4-25-20 1149	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.2°C, 0.4°C, 0.8°C IR-7

Ver: 01/16/2019

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5/27/2020

Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 400-187254-1
SDG Number: GSg Delineation Samplind

Login Number: 187254
List Number: 1
Creator: Conrady, Hank W

List Source: Eurofins TestAmerica, Pensacola

Question	Answer	Comment
AaRioactivity wasn't checkeR or is </= backdrounR as measureR by a survey meter.	N/g	
The cooler's custoRy seal, if present, is intact.	True	
Sample custoRy seals, if present, are intact.	N/g	
The cooler or samples Ro not appear to have been compromiseR or tampereR with.	True	
Samples were receiveR on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorReR	True	1.2°C 0.4°C 0.8°C IA-7
COC is present.	True	
COC is filleR out in ink anR legible.	True	
COC is filleR out with all pertinent information.	True	
Is the FielR Sampler's name present on COC?	True	
There are no RiscrepancieS between the containers receiveR anR the COC.	False	AeceiveR eHtra samples not listeR on COC.
Samples are receiveR within (olRind Time xeH-cluRind tests with immeRiate (Ts)	True	
Sample containers have legible labels.	True	
Containers are not broken or leakind.	True	
Sample collection Rate/times are proviReR	True	
gppropriate sample containers are useR	True	
Sample bottles are completely filleR	True	
Sample Preservation VerifieR	True	
There is sufficient vol. for all requesteR analyses, incl. any requesteR MS/MSDs	True	
Containers requirind zero heaRspace have no heaRspace or bubble is <6mm x1/4").	N/g	
Multiphasic samples are not present.	True	
Samples Ro not require splittind or compositind.	True	
AesiRual Chlorine CheckeR	N/g	

Accreditation/Certification Summary

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

Job ID: 400-186934-1
SDG: GSB Delineation Samplink

Laboratory: Eurofins TestAmerica, Pensacola

BIl accregitations/certifications delg by tdis laboratory are listegA h ot all accregitations/certifications are applicable to tdis reportA

Authority	Program	Identification Number	Expiration Date
Blabama	State	40130	06-01-90
Bh B.	ISN/I5C 16093	79461	09-92-92
BriQona	State	BE0610	01-12-91
BrLansas D5z	State	88-0Z8Q	0Q-01-90
California	State	9310	06-01-90
Floriga	h57BP	581010	0Z-20-90
Georkia	State	581010(F7)	0Z-20-90
Illinois	h57BP	00438Z	10-0Q-90
Iowa	State	2Z6	08-01-90
Kansas	h57BP	5-10932	08-1Z-90
KentucLy (UST)	State	32	0Z-20-90
KentucLy (WW)	State	KYQ8020	19-21-90
7ouisiana	h57BP	20Q6Z	0Z-20-90
7ouisiana (DW)	State	7B016	19-21-90
Marylang	State	922	0Q-20-90
Massacdusetts	State	M-F70Q4	0Z-20-90
Micdikan	State	QQ19	0Z-20-90
Minnesota	h57BP	019-QQQ-481	19-21-90
h ew Jersey	h57BP	F700Z	0Z-20-90
h ew YorL	h57BP	19113	04-01-91
h ortd Carolina (WW/SW)	State	214	19-21-90
NLladoma	State	Q810-18Z	08-21-90
Pennsylvania	h57BP	Z8-004Z6	01-21-91
Rdoge Islang	State	7BN00206	19-20-90
Soutd Carolina	State	QZ09Z009	0Z-20-90
Tennessee	State	Th 09Q06	0Z-20-90
Texas	h57BP	T10460498Z	0Q-20-90
US Fisd & Wilglife	US Fegeral Prokrams	038448	06-21-90
USDB	US Fegeral Prokrams	P220-18-00148	03-16-91
Virkinia	h57BP	4Z01ZZ	0Z-14-90
Wasdinkton	State	CQ13	03-13-90
West Virkinia D5P	State	12Z	0Z-20-90

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ANALYTICAL REPORT

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

Laboratory Job ID: 400-187254-2
Laboratory Sample Delivery Group: GSA Delineation Sampling
Client Project/Site: CCR Plant Crist

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

Attn: Mr. Mike Markey

Cheyenne R Whitmire

Authorized for release by:
5/27/2020 8:59:25 PM

Cheyenne Whitmire, Project Manager II
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The test results in this report meet all 2003 NELAC and 2009 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.

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Job ID: 400-187254-2

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-187254-2

Receipt Exceptions
The following sample(s) was submitted for analysis; however, it was not listed on the Chain-of-Custody (COC): 400-187254-10 (PZ-200D FF). Logged in at the end using information on container label.

RAD
Method 9315: Radium-226 Prep Batch 160-469549. Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. PZ-200S (400-187254-1), PZ-200D (400-187254-2), GSA-2S (400-187254-3), PZ-201D (400-187254-4), PZ-203D (400-187254-5), MW-2032 (400-187254-6), EB-04 (400-187254-7), FB-04 (400-187254-8), DUP-04 (400-187254-9), PZ-200D FF (400-187254-10), (LCS 160-469549/1-A), (LCSD 160-469549/2-A) and (MB 160-469549/23-A)

Method 9320: Radium-228 Prep Batch: 160-469552. The method blank (MB) detected radium-228 above the MDC but below the detection goal. The data have been reported. PZ-200S (400-187254-1), PZ-200D (400-187254-2), GSA-2S (400-187254-3), PZ-201D (400-187254-4), PZ-203D (400-187254-5), MW-2032 (400-187254-6), EB-04 (400-187254-7), FB-04 (400-187254-8), DUP-04 (400-187254-9), PZ-200D FF (400-187254-10) and (MB 160-469552/23-A)

Method 9320: Radium-228 Prep Batch 160-469552. Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. PZ-200S (400-187254-1), PZ-200D (400-187254-2), GSA-2S (400-187254-3), PZ-201D (400-187254-4), PZ-203D (400-187254-5), MW-2032 (400-187254-6), EB-04 (400-187254-7), FB-04 (400-187254-8), DUP-04 (400-187254-9), PZ-200D FF (400-187254-10), (LCS 160-469552/1-A), (LCSD 160-469552/2-A) and (MB 160-469552/23-A)

Method PrecSep_0: Radium 228 Prep batch 160-469552. The following samples were prepared at a reduced aliquot due to a cloudy appearance: PZ-200D (400-187254-2). 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 160-469552. Insufficient sample volume was available to perform a sample duplicate for the following samples: PZ-200S (400-187254-1), PZ-200D (400-187254-2), GSA-2S (400-187254-3), PZ-201D (400-187254-4), PZ-203D (400-187254-5), MW-2032 (400-187254-6), EB-04 (400-187254-7), FB-04 (400-187254-8), DUP-04 (400-187254-9) and PZ-200D FF (400-187254-10). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep-21: Radium 226 Prep Batch 160-469549. Insufficient sample volume was available to perform a sample duplicate for the following samples: PZ-200S (400-187254-1), PZ-200D (400-187254-2), GSA-2S (400-187254-3), PZ-201D (400-187254-4), PZ-203D (400-187254-5), MW-2032 (400-187254-6), EB-04 (400-187254-7), FB-04 (400-187254-8), DUP-04 (400-187254-9) and PZ-200D FF (400-187254-10). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep-21: Radium 226 Prep batch 160-469549. The following samples were prepared at a reduced aliquot due to a cloudy appearance: PZ-200D (400-187254-2). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead of a sample duplicate (DUP) to demonstrate batch precision.

Method Summary

l ien tGu f iPwor nm l op ayt S
wmo n/ Gk ea: l l s wiyt Gl ma WG

Job ID: 400-1869C4-9
gDu : u gd Dnie t nyGot gyp aie t j

Method	Method Description	Protocol	Laboratory
2(1C	s yFe p -995)u Twl A	g3 845	Ld_ g_
2(90	s yFe p -998)u Twl A	g3 845	Ld_ g_
s y995Ns y998	l op be t nF s yFe p -995 yt F s yFe p -998	Ld_-gL_	Ld_ g_
s y995Ns y998)DA	l op be t nF s yFe p -995 yt F s yFe p -998	Ld_-gL_	Ld_ g_
wm/ g naN0	wmayn yGot hwm/ ae eyGa g nayn yGot	, ot n	Ld_ g_
wm/ g na-91	wmayn yGot hwm/ ae eyGa g nayn yGot)91-DyS lt -u mor GA	, ot n	Ld_ g_

Protocol References:

, ot n " , ot n

g3 845 " NLnWGE nG oFWTomv Uyif yGa j goie F 3 yWGhw=SVe yiR =np e yi E nG oFWWL=en v FeGot h, oUhp bnm1285 dt F IGV. aFyGaWO

Ld_-gL_ " LnWGlp nme y _ybony Gme WhgGD_of eW Ty/ ieSS g Gt Fym F 7 anny Ga j wmo/ nFf mO

Laboratory References:

Ld_ g_ " v f mo Re WLnWGlp nme yhg GD_of eW1(61C s e Fnm Lnyie , om Ghv yn Ge l eSh E 7 5(04C hLv _)(14A928-8C55

Sample Summary

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

Job ID: 400-187254-2
SDG: GSA Delineation Sampling

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-187254-1	PZ-200S	Water	04/25/20 07:43	04/25/20 11:49	
400-187254-2	PZ-200D	Water	04/24/20 16:20	04/25/20 11:49	
400-187254-3	GSA-2S	Water	04/25/20 08:20	04/25/20 11:49	
400-187254-4	PZ-201D	Water	04/24/20 13:10	04/25/20 11:49	
400-187254-5	PZ-203D	Water	04/24/20 09:35	04/25/20 11:49	
400-187254-6	MW-2032	Water	04/24/20 19:04	04/25/20 11:49	
400-187254-7	EB-04	Water	04/25/20 07:35	04/25/20 11:49	
400-187254-8	FB-04	Water	04/24/20 16:11	04/25/20 11:49	
400-187254-9	DUP-04	Water	04/24/20 18:04	04/25/20 11:49	
400-187254-10	PZ-200D FF	Water	04/24/20 16:20	04/25/20 11:49	

Client Sample ID: PZ-200S

Date Collected: 04/25/20 07:43
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-1

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	4.00		02535	02C59	1200	02149	al eR	0CR0CR90 07:10	0CR96R90 06:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*3461*		*40 - 110*	*0/ 20/ 270 0: 510*	*0/ 2732700 0354 7*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.74		02008	02714	1200	02468	al eR	0CR0CR90 07:43	0CR90R90 08:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*3461*		*40 - 110*	*0/ 20/ 270 0: 549*	*0/ 2702700 0. 50.*	*1*
8 Carrier	*. 369*		*40 - 110*	*0/ 20/ 270 0: 549*	*0/ 2702700 0. 50.*	*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	7.74		02749	02819	C200	02468	al eR		0CR96R90 19:4C	1

Client Sample ID: PZ-200D
Date Collected: 04/24/20 16:20
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-2
Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
s y, e p -997	02690	U	02308	02310	1200	021C0	al e R	0CR0CR90 07:10	0CR96R90 06:45	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*. 061*		*40 - 110*	*0/ 20/ 270 0: 510*	*0/ 2732 70 035 4Y*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
s y, e p -998	02494	U	02500	02509	1200	02CC7	al e R	0CR0CR90 07:43	0CR90R90 08:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*. 061*		*40 - 110*	*0/ 20/ 270 0: 549*	*0/ 2702 70 0. 50.*	*1*
8 Carrier	*. : 60*		*40 - 110*	*0/ 20/ 270 0: 549*	*0/ 2702 70 0. 50.*	*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
l op be n, s y, e p 997 + 998	02437	U	02579	02574	C200	02CC7	al e R		0CR96R90 19:4C	1

Client Sample ID: GSA-2S

Date Collected: 04/25/20 08:20
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-3

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	1.86		02971	02510	1200	02039C	al eR	0CR3OCR90 07:10	0CR96R90 10:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*3: 6*		*40 - 110*	*0/ 20/ 270 0: 510*	*0/ 2732 70 1051 1*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.72		02441	02006	1200	02457	al eR	0CR3OCR90 07:43	0CR90R90 08:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*3: 6*		*40 - 110*	*0/ 20/ 270 0: 549*	*0/ 2702 70 0. 50.*	*1*
8 Carrier	*. : 64*		*40 - 110*	*0/ 20/ 270 0: 549*	*0/ 2702 70 0. 50.*	*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	4.58		02C19	02C34	C200	02457	al eR		0CR96R90 19:4C	1

Client Sample ID: PZ-201D

Date Collected: 04/24/20 13:10
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-4

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	0.137		02208C7	02874	1200	02107	al eR	0CR0CR90 07:10	0CR96R90 10:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*3Y6*		*40 - 110*	*0/ 20/ 270 0: 510*	*0/ 2732 70 105 11*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
s y, e p -998	02546	U	02500	02509	1200	02480	al eR	0CR0CR90 07:43	0CR90R90 08:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*3Y6*		*40 - 110*	*0/ 20/ 270 0: 549*	*0/ 2702 70 0. 50.*	*1*
8 Carrier	*. 16*		*40 - 110*	*0/ 20/ 270 0: 549*	*0/ 2702 70 0. 50.*	*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	0.484		02519	02514	C200	02480	al eR		0CR96R90 19:4C	1

Client Sample ID: PZ-203D

Date Collected: 04/24/20 09:35
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-5

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	0.150		02806	02818	1200	02869	al eR	0CR0CR90 07:10	0CR96R90 10:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*. 16*		*40 - 110*	*0/ 20/ 270 0: 510*	*0/ 2732 70 1051 1*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.796		02939	02501	1200	02409	al eR	0CR0CR90 07:43	0CR90R90 08:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*. 16*		*40 - 110*	*0/ 20/ 270 0: 549*	*0/ 2702 70 0. 50.*	*1*
8 Carrier	*9760*		*40 - 110*	*0/ 20/ 270 0: 549*	*0/ 2702 70 0. 50.*	*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	0.945		02505	02519	C200	02409	al eR		0CR96R90 19:4C	1

Client Sample ID: MW-2032
Date Collected: 04/24/20 19:04
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-6
Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.199		02085 5	02085 9	1200	02068 6	al eR	0CR0CR90 07:10	0CR96R90 10:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*9963*		*40 - 110*	*0/ 20/ 270 0: 510*	*0/ 2732 70 1057 17*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.691		02975	02961	1200	0257C	al eR	0CR0CR90 07:43	0CR90R90 08:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*9963*		*40 - 110*	*0/ 20/ 270 0: 549*	*0/ 2702 70 0. 509*	*1*
8 Carrier	*. 76*		*40 - 110*	*0/ 20/ 270 0: 549*	*0/ 2702 70 0. 509*	*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	0.890		02967	02984	C200	0257C	al eR		0CR96R90 19:4C	1

Client Sample ID: EB-04
Date Collected: 04/25/20 07:35
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-7
Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
s y, e p -997	-02 00341	U	02 0718	02 0718	1200	02193	al e R	0C R0C R90 07:10	0C R96R90 10:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*. 96*		*40 - 110*	*0/ 20/ 270 0: 510*	*0/ 2732 70 1057 17*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
s y, e p -998	02913	U	02945	02944	1200	02400	al e R	0C R0C R90 07:43	0C R90R90 08:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*. 96*		*40 - 110*	*0/ 20/ 270 0: 549*	*0/ 2702 70 0. 509*	*1*
8 Carrier	*. / 67*		*40 - 110*	*0/ 20/ 270 0: 549*	*0/ 2702 70 0. 509*	*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
l op be n, s y, e p 997 + 998	02903	U	02 9C1	02 9C9	C200	02400	al e R		0C R96R90 19:4C	1

Client Sample ID: FB-04
Date Collected: 04/24/20 16:11
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-8
Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
s y, é p -997	-02013C	U	02040 3	02041 0	1200	02109	al e R	0CR0CR90 07:10	0CR96R90 10:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*. . 6*		*40 - 110*	*0/ 20/ 270 0: 510*	*0/ 2732 70 105 17*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
s y, é p -998	02151	U	029C3	029C3	1200	02479	al e R	0CR0CR90 07:43	0CR90R90 08:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*. . 6*		*40 - 110*	*0/ 20/ 270 0: 549*	*0/ 2702 70 0. 509*	*1*
8 Carrier	*: 969*		*40 - 110*	*0/ 20/ 270 0: 549*	*0/ 2702 70 0. 509*	*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
l op be n, s y, é p 997 + 998	-02000749	U	02979	02979	C200	02479	al e R		0CR96R90 19:4C	1

Client Sample ID: DUP-04
Date Collected: 04/24/20 18:04
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-9
Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.293		02108	02111	1200	02364	al eR	0CR0CR90 07:10	0CR96R90 10:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*. 46Y*		*40 - 110*	*0/ 20/ 270 0: 510*	*0/ 2732 70 1057 17*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.642		029C3	02977	1200	02571	al eR	0CR0CR90 07:43	0CR90R90 08:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*. 46Y*		*40 - 110*	*0/ 20/ 270 0: 549*	*0/ 2702 70 0. 509*	*1*
8 Carrier	*9467*		*40 - 110*	*0/ 20/ 270 0: 549*	*0/ 2702 70 0. 509*	*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	0.935		02981	02988	C200	02571	al eR		0CR96R90 19:4C	1

Client Sample ID: PZ-200D FF
Date Collected: 04/24/20 16:20
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-10
Matrix: Water

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.281		0.114	0.116	1.00	0.159	pCi/L	05/01/20 07:10	05/06/20 10:19	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	96.7		40 - 110	05/01/20 07:10	05/06/20 10:17	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.598		0.297	0.360	1.00	0.580	pCi/L	05/01/20 07:43	05/06/20 08:03	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	96.7		40 - 110	05/01/20 07:49	05/07/20 00:09	1
Y Carrier	86.7		40 - 110	05/01/20 07:49	05/07/20 00:09	1

Method: Ra226_Ra228 (D) - Combined Radium-226 and Radium-228 - Dissolved

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.879		0.288	0.334	2.00	0.580	pCi/L		05/06/20 19:44	1

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample . etection limit¤

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
L	" iste. un. er the %D%column to . esidnate that the result is reporte. on a . ry weidht basis
v R	Percent RecoFery
Cq"	Contains qree " iNui.
CEq	Contains Eo qree " iNui.
D(R	Duplicate (rror Ratio znormali) e. absolute . ifferenceO
Dil qac	Dilution qactor
D"	Detection " imit zDoD/D, (O
D" ARgAR(AIE	In. icates a DilutionARe-analysisARe-extractionAor a. . itional Initial metals/anion analysis of the sample
D" C	Decision " eFel Concentration zRa. iochemistryO
(D"	(stimate. Detection " imit zDioxinO
", D	" imit of Detection zDoD/D, (O
", Q	" imit of Quantitation zDoD/D, (O
MDg	Minimum Detectable g ctiFity zRa. iochemistryO
MDC	Minimum Detectable Concentration zRa. iochemistryO
MD"	Metho. Detection " imit
M"	Minimum " eFel zDioxinO
MQ"	Metho. Quantitation " imit
EC	Eot Calculate.
ED	Eot Detecte. at the reportind limit zor MD" or (D" if shownO
PQ"	Practical Quantitation " imit
QC	Quality Control
R(R	RelatiFe (rror Ratio zRa. iochemistryO
R"	Reportind " imit or ReNueste. " imit zRa. iochemistryO
RPD	RelatiFe Percent DifferenceAa measure of the relatiFe . ifference between two points
T(q	Toxicity (NuiFalent qactor zDioxinO
T(Q	Toxicity (NuiFalent Quotient zDioxinO

Lab Chronicle

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

Job ID: 400-187254-2
SDG: GSA Delineation Sampling

Client Sample ID: PZ-200S
Date Collected: 04/25/20 07:43
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			469549	05/05/20 06:10	RBR	TAL SL
Total/NA	Analysis	9315		1	471298	05/27/20 07:42	AJD	TAL SL
Total/NA	Prep	PrecSep_0			469552	05/05/20 06:49	RBR	TAL SL
Total/NA	Analysis	9320		1	470958	05/20/20 08:08	KLS	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	471329	05/27/20 12:45	SMP	TAL SL

Client Sample ID: PZ-200D
Date Collected: 04/24/20 16:20
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			469549	05/05/20 06:10	RBR	TAL SL
Total/NA	Analysis	9315		1	471298	05/27/20 07:43	AJD	TAL SL
Total/NA	Prep	PrecSep_0			469552	05/05/20 06:49	RBR	TAL SL
Total/NA	Analysis	9320		1	470958	05/20/20 08:08	KLS	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	471329	05/27/20 12:45	SMP	TAL SL

Client Sample ID: GSA-2S
Date Collected: 04/25/20 08:20
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			469549	05/05/20 06:10	RBR	TAL SL
Total/NA	Analysis	9315		1	471298	05/27/20 10:11	AJD	TAL SL
Total/NA	Prep	PrecSep_0			469552	05/05/20 06:49	RBR	TAL SL
Total/NA	Analysis	9320		1	470958	05/20/20 08:08	KLS	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	471329	05/27/20 12:45	SMP	TAL SL

Client Sample ID: PZ-201D
Date Collected: 04/24/20 13:10
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			469549	05/05/20 06:10	RBR	TAL SL
Total/NA	Analysis	9315		1	471298	05/27/20 10:11	AJD	TAL SL
Total/NA	Prep	PrecSep_0			469552	05/05/20 06:49	RBR	TAL SL
Total/NA	Analysis	9320		1	470958	05/20/20 08:08	KLS	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	471329	05/27/20 12:45	SMP	TAL SL

Lab Chronicle

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

Job ID: 400-187254-2
SDG: GSA Delineation Sampling

Client Sample ID: PZ-203D
Date Collected: 04/24/20 09:35
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			469549	05/05/20 06:10	RBR	TAL SL
Total/NA	Analysis	9315		1	471298	05/27/20 10:11	AJD	TAL SL
Total/NA	Prep	PrecSep_0			469552	05/05/20 06:49	RBR	TAL SL
Total/NA	Analysis	9320		1	470958	05/20/20 08:08	KLS	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	471329	05/27/20 12:45	SMP	TAL SL

Client Sample ID: MW-2032
Date Collected: 04/24/20 19:04
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			469549	05/05/20 06:10	RBR	TAL SL
Total/NA	Analysis	9315		1	471298	05/27/20 10:12	AJD	TAL SL
Total/NA	Prep	PrecSep_0			469552	05/05/20 06:49	RBR	TAL SL
Total/NA	Analysis	9320		1	470958	05/20/20 08:09	KLS	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	471329	05/27/20 12:45	SMP	TAL SL

Client Sample ID: EB-04
Date Collected: 04/25/20 07:35
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			469549	05/05/20 06:10	RBR	TAL SL
Total/NA	Analysis	9315		1	471298	05/27/20 10:12	AJD	TAL SL
Total/NA	Prep	PrecSep_0			469552	05/05/20 06:49	RBR	TAL SL
Total/NA	Analysis	9320		1	470958	05/20/20 08:09	KLS	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	471329	05/27/20 12:45	SMP	TAL SL

Client Sample ID: FB-04
Date Collected: 04/24/20 16:11
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			469549	05/05/20 06:10	RBR	TAL SL
Total/NA	Analysis	9315		1	471298	05/27/20 10:12	AJD	TAL SL
Total/NA	Prep	PrecSep_0			469552	05/05/20 06:49	RBR	TAL SL
Total/NA	Analysis	9320		1	470958	05/20/20 08:09	KLS	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	471329	05/27/20 12:45	SMP	TAL SL

Lab Chronicle

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

Job ID: 400-187254-2
SDG: GSA Delineation Sampling

Client Sample ID: DUP-04

Date Collected: 04/24/20 18:04
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			469549	05/05/20 06:10	RBR	TAL SL
Total/NA	Analysis	9315		1	471298	05/27/20 10:12	AJD	TAL SL
Total/NA	Prep	PrecSep_0			469552	05/05/20 06:49	RBR	TAL SL
Total/NA	Analysis	9320		1	470958	05/20/20 08:09	KLS	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	471329	05/27/20 12:45	SMP	TAL SL

Client Sample ID: PZ-200D FF

Date Collected: 04/24/20 16:20
Date Received: 04/25/20 11:49

Lab Sample ID: 400-187254-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	PrecSep-21			469549	05/05/20 06:10	RBR	TAL SL
Dissolved	Analysis	9315		1	471298	05/27/20 10:12	AJD	TAL SL
Dissolved	Prep	PrecSep_0			469552	05/05/20 06:49	RBR	TAL SL
Dissolved	Analysis	9320		1	470958	05/20/20 08:09	KLS	TAL SL
Dissolved	Analysis	Ra226_Ra228 (D)		1	471328	05/27/20 12:44	SMP	TAL SL

Laboratory References:

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

Rad

Prep Batch: 469549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-187254-1	PZ-200S	Total/NA	Water	PrecSep-21	
400-187254-2	PZ-200D	Total/NA	Water	PrecSep-21	
400-187254-3	GSA-2S	Total/NA	Water	PrecSep-21	
400-187254-4	PZ-201D	Total/NA	Water	PrecSep-21	
400-187254-5	PZ-203D	Total/NA	Water	PrecSep-21	
400-187254-6	MW-2032	Total/NA	Water	PrecSep-21	
400-187254-7	EB-04	Total/NA	Water	PrecSep-21	
400-187254-8	FB-04	Total/NA	Water	PrecSep-21	
400-187254-9	DUP-04	Total/NA	Water	PrecSep-21	
400-187254-10	PZ-200D FF	Dissolved	Water	PrecSep-21	
MB 160-469549/23-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-469549/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-469549/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 469552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-187254-1	PZ-200S	Total/NA	Water	PrecSep_0	
400-187254-2	PZ-200D	Total/NA	Water	PrecSep_0	
400-187254-3	GSA-2S	Total/NA	Water	PrecSep_0	
400-187254-4	PZ-201D	Total/NA	Water	PrecSep_0	
400-187254-5	PZ-203D	Total/NA	Water	PrecSep_0	
400-187254-6	MW-2032	Total/NA	Water	PrecSep_0	
400-187254-7	EB-04	Total/NA	Water	PrecSep_0	
400-187254-8	FB-04	Total/NA	Water	PrecSep_0	
400-187254-9	DUP-04	Total/NA	Water	PrecSep_0	
400-187254-10	PZ-200D FF	Dissolved	Water	PrecSep_0	
MB 160-469552/23-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-469552/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-469552/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-469549823-7
Mat/iA: r ate/
7 nalWsis Batyh: 4N129c

Client Sample ID: Method Blank
P/ep xWpe: xotal8T 7
P/ep Batyh: 469549

7 nalWte	MB Result	MB Qualifie/	Count Unye/t. (2σ+8)	xotal Unye/t. (2σ+8)	RL	MDC	Unit	P/epa/ed	7 nalWzed	Dil Fay
s yUsp -995	-0.00146E	7	0.04E6	0.04E6	1.00	0.0348	al eR	0CR0CR90 05:10	0CR96R90 10:14	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		40 - 110	05/05/20 06:10	05/27/20 10:14	1

Lab Sample ID: LCS 160-469549881-7
Mat/iA: r ate/
7 nalWsis Batyh: 4N129c

Client Sample ID: Lab Cont/ol Sample
P/ep xWpe: xotal8T 7
P/ep Batyh: 469549

7 nalWte			Spike 7 dded	LCS Result	LCS Qual	xotal Unye/t. (2σ+8)	RL	MDC	Unit	%Rey	%Rey. Limits		
s yUsp -995			11.E	10.9E		1.03	1.00	0.105	al eR	30	6C - 19C		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	85.2		40 - 110

Lab Sample ID: LCSD 160-469549882-7
Mat/iA: r ate/
7 nalWsis Batyh: 4N129c

Client Sample ID: Lab Cont/ol Sample Dup
P/ep xWpe: xotal8T 7
P/ep Batyh: 469549

7 nalWte			Spike 7 dded	LCSD Result	LCSD Qual	xotal Unye/t. (2σ+8)	RL	MDC	Unit	%Rey	%Rey. Limits	RER	RER Limit
s yUsp -995			11.E	10.C1		1.1E	1.00	0.115	al eR	3E	6C - 19C	0.19	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	77.7		40 - 110

Method: 9320 - Radium-22c (GFPC)

Lab Sample ID: MB 160-469552823-7
Mat/iA: r ate/
7 nalWsis Batyh: 4N0959

Client Sample ID: Method Blank
P/ep xWpe: xotal8T 7
P/ep Batyh: 469552

7 nalWte	MB Result	MB Qualifie/	Count Unye/t. (2σ+8)	xotal Unye/t. (2σ+8)	RL	MDC	Unit	P/epa/ed	7 nalWzed	Dil Fay
s yUsp -998	0.CC61		0.935	0.E00	1.00	0.445	al eR	0CR0CR90 05:43	0CR90R90 08:05	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		40 - 110	05/05/20 06:49	05/20/20 08:06	1
Y Carrier	80.7		40 - 110	05/05/20 06:49	05/20/20 08:06	1

Method: 9320 - Radium-22c (GFPC) (Continued)

Lab Sample ID: LCS 160-469552 1-7
Mat/iA: r ate/
7 nalWsis Batyh: 4N095c

Client Sample ID: Lab Cont/ol Sample
P/ep xWpe: xotal 8T 7
P/ep Batyh: 469552

7 nalWte			Spike 7 dded	LCS Result	LCS Qual	xotal Unye/t. (2σ+8)	RL	MDC	Unit	%Rey	%Rey. Limits		
s yUsp -998			8.8E	8.030		0.385	1.00	0.495	al eR	39	6C- 19C		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*85.2*		*40 - 110*
Y Carrier	*85.2*		*40 - 110*

Lab Sample ID: LCSD 160-469552 2-7
Mat/iA: r ate/
7 nalWsis Batyh: 4N095c

Client Sample ID: Lab Cont/ol Sample Dup
P/ep xWpe: xotal 8T 7
P/ep Batyh: 469552

7 nalWte			Spike 7 dded	LCSD Result	LCSD Qual	xotal Unye/t. (2σ+8)	RL	MDC	Unit	%Rey	%Rey. Limits	RER	RER Limit
s yUsp -998			8.8E	8.EE9		1.0E	1.00	0.445	al eR	34	6C- 19C	0.19	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*77.7*		*40 - 110*
Y Carrier	*87.5*		*40 - 110*

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

400-187254 COC

Client Information	Sampler: Colton / Rick	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-93954-23631.1
Client Contact: Mr. Mike Markey	Phone:	E-Mail: cheyenne.whitmire@testamericainc.com		Page: Page 1 of 1
Company: Gulf Power Company				Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520				
Phone: 850-444-6573(Tel)	PO #: Purchase Order not required			
Email: richard.markey@nexteraenergy.com	WO #:			
Project Name: CCR Plant Crist GSA Delineation Sampling	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N	D	N	N		
PZ-200S	4/25/20	0743	G	Water			4	4	4	4	4	4		
PZ-200D	4/24/20	1628		Water										
GSA-2S	4/24/20	0820		Water										
PZ-201D	4/24/20	1310		Water										
PZ-203D	4/24/20	0935		Water										
~~GE-1D~~ MW-2032	4/24/20	1804		Water										
EB-04	4/25/20	0735		Water										
FB-04	4/24/20	1611		Water										
~~DEB-04~~	~~4/24/20~~	~~1804~~		Water										
Dup-04	4/24/20	1804		Water										

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	4/25/20 1149	RDH			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 4-25-20 1149	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.2°C, 0.4°C, 0.8°C IR-7

Ver: 01/16/2019

5/27/2020

Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 400-187254-2
SDG Number: GSg Delineation Samplind

Login Number: 18725Q
List Number: 1
Creator: Conray, HWank E

List Source: f uroTins PestwmericaHMensacola

Auestion	wnsd er	Comment
AaRioactivity wasn't checkeR or is </= backdrounR as measureR by a survey meter.	N/g	
The cooler's custoRy seal, if present, is intact.	True	
Sample custoRy seals, if present, are intact.	N/g	
The cooler or samples Ro not appear to have been compromiseR or tampereR with.	True	
Samples were receiveR on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorReR	True	1.2°C 0.4°C 0.8°C IA-7
COC is present.	True	
COC is filleR out in ink anR legible.	True	
COC is filleR out with all pertinent information.	True	
Is the FielR Sampler's name present on COC?	True	
There are no RiscrepancieS between the containers receiveR anR the COC.	False	AeceiveR eHtra samples not listeR on COC.
Samples are receiveR within (olRind Time xeH-cluRind tests with immeRiate (Ts)	True	
Sample containers have legible labels.	True	
Containers are not broken or leakind.	True	
Sample collection Rate/times are proviReR	True	
gppropriate sample containers are useR	True	
Sample bottles are completely filleR	True	
Sample Preservation VerifieR	True	
There is sufficient vol. for all requesteR analyses, incl. any requesteR MS/MSDs	True	
Containers requirind zero heaRspace have no heaRspace or bubble is <6mm x1/4").	N/g	
Multiphasic samples are not present.	True	
Samples Ro not require splittind or compositind.	True	
AesiRual Chlorine CheckeR	N/g	

Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 400-187254-2
SDG Number: GSg Delineation Samplind

Login Number: 18725Q
List Number: 2
Creator: z a. ariegosH-Leonel w

List Source: f uroTins PestwmericaHSt0Louis
List Creation: 4Q/28/24 41:11 Mz

Auestion	wnsd er	Comment
AaRioactivity wasn't checkeRor is </= backdrounRas measureRby a survey meter.	True	
The cooler's custoRy seal, if present, is intact.	True	
Sample custoRy seals, if present, are intact.	N/g	
The cooler or samples Ro not appear to have been compromiseRor tampereRwith.	True	
Samples were receiveRon ice.	N/g	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorReR	True	
COC is present.	True	
COC is filleRout in ink anRledible.	True	
COC is filleRout with all pertinent information.	True	
Is the FielRSampler's name present on COC?	True	
There are no Riscrepancies between the containers receiveRanRthe COC.	True	
Samples are receiveRwithin (olRind Time xeH-cluRind tests with immeRiate (Ts)	True	
Sample containers have ledible labels.	True	
Containers are not broken or leakind.	True	
Sample collection Rate/times are proviReR	True	
g ppropriate sample containers are useR	True	
Sample bottles are completely filleR	True	
Sample Preservation VerifieR	True	
There is sufficient vol. for all requesteRanalyses, incl. any requesteR MS/MSDs	True	
Containers requirind zero heaRspace have no heaRspace or bubble is <6mm x1/4").	True	
Multiphasic samples are not present.	True	
Samples Ro not require splittind or compositind.	True	
AesiRual Chlorine CheckeR	N/g	

Accreditation/Certification Summary

Client: Gulf Power Company
Pro2ej td ite: CCS Plant CriRt

Job ID: 400-186934-9
/ DG: G/ s Delineation / amplinB

Laboratory: Eurofins TestAmerica, Pensacola

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Authority	Program	Identification Number	Expiration Date
s labama	/ tate	40130	06-01-90
s Ash	I/ . dNC 16093	59461	09-97-97
s riQona	/ tate	s E0610	01-17-91
s rLanRaRDNz	/ tate	88-0Z8Q	0Q-01-90
California	/ tate	9310	06-01-90
Florika	AN5s P	N81010	0Z-70-90
GeorBia	/ tate	N81010(F5)	0Z-70-90
IllinoiR	AN5s P	00438Z	10-0Q-90
Iowa	/ tate	7Z6	08-01-90
KanRaR	AN5s P	N-10937	08-1Z-90
Kentuj Ly (U/ T)	/ tate	37	0Z-70-90
Kentuj Ly (WW)	/ tate	KYQ8070	19-71-90
5ouiRiana	AN5s P	70Q6Z	0Z-70-90
5ouiRiana (DW)	/ tate	5s 016	19-71-90
Marylank	/ tate	977	0Q-70-90
MaRRaj guRettR	/ tate	M-F50Q4	0Z-70-90
Mij giBan	/ tate	QQ19	0Z-70-90
MinneRota	AN5s P	019-QQQ-481	19-71-90
Aew JerRey	AN5s P	F500Z	0Z-70-90
Aew YorL	AN5s P	19113	04-01-91
Aortg Carolina (WWd W)	/ tate	714	19-71-90
. Llagoma	/ tate	Q810-18Z	08-71-90
PennRylvania	AN5s P	Z8-004Z6	01-71-91
Sgoke IRank	/ tate	5s . 00706	19-70-90
/ outg Carolina	/ tate	QZ09Z009	0Z-70-90
TenneRRee	/ tate	TA09Q06	0Z-70-90
TexaR	AN5s P	T10460498Z	0Q-70-90
U/ FiRg & Wilklife	U/ Fekeral ProBramR	038448	06-71-90
U/ Ds	U/ Fekeral ProBramR	P770-18-00148	03-16-91
VirBinia	AN5s P	4Z01ZZ	0Z-14-90
WaRginBton	/ tate	CQ13	03-13-91
WeRt VirBinia DNP	/ tate	17Z	0Z-70-90

Accreditation/Certification Summary

Client: Gulf Power Company
Pro2ej td ite: CCS Plant CriRt

Job ID: 400-186934-9
/ DG: G/ s Delineation / amplinB

Laboratory: Eurofins TestAmerica, St. Louis

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Authority	Program	Identification Number	Expiration Date
s laRLa (U/ T)	/ tate	90-001	03-0Z-99
s As h	Deptdof DefenRe N5s P	59703	04-0Z-99
s As h	Deptdof NnerBy	59703d01	04-0Z-99
s As h	I/ . dNC 16093	59703	04-0Z-99
s riCona	/ tate	s E0817	19-08-90
California	5oRs nBeleRCounty / anitation DiRtrij tR	1093Q	0Z-70-90
California	/ tate	988Z	0Z-70-90
Connej tij ut	/ tate	PH-0941	07-71-91
Florika	AN5s P	N86Z8Q	0Z-70-90
HI - SakCgem Sej oBnition	/ tate	nca	0Z-70-90
IllinoiR	AN5s P	004337	11-70-90
Iowa	/ tate	767	0Q-16-90
KanRaR	AN5s P	N-1097Z	10-71-90
Kentuj Ly (DW)	/ tate	KYQ0193	19-71-90
5ouiRiana	AN5s P	04080	0Z-70-90
5ouiRiana (DW)	/ tate	5s 011	19-71-90
Marylank	/ tate	710	0Q-70-90
MI - SakCgem Sej oBnition	/ tate	Q003	0Z-70-90
MiRRouri	/ tate	680	0Z-70-99
Aevaka	/ tate	M. 000349090-1	06-71-90
Aew JerRey	AN5s P	M. 009	0Z-70-90
Aew YorL	AN5s P	11Z1Z	04-01-91
Aortg DaLota	/ tate	S-906	0Z-70-90
ASC	ASC	94-94816-01	19-71-99
. Llagoma	/ tate	QQQ6	08-71-90
PennRylvania	AN5s P	Z8-00340	09-98-91
/ outg Carolina	/ tate	83009001	0Z-70-90
TexaR	AN5s P	T1046041Q7-1Q-17	06-71-90
U/ FiRg & Wilklife	U/ Fekeral ProBramR	038448	06-71-90
U/ Ds	U/ Fekeral ProBramR	P770-16-00098	07-11-97
Utag	AN5s P	M. 00034901Q-11	06-71-90
VirBinia	AN5s P	10710	0Z-14-90
WaRginBton	/ tate	C3Q9	08-70-90
WeRt VirBinia DNP	/ tate	781	10-71-90

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5/27/2020

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Memorandum

Date:	4 August 2020
To:	Lane Dorman
From:	Matthew Richardson
CC:	J. Caprio
Subject:	**Stage 2A Data Validations - Level II Data Deliverable – Eurofins TestAmerica Job ID 400-186893-1 Revision 1**

SITE: CCR Plant Crist

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of six aqueous samples, one field duplicate sample, and one equipment blank, collected 16 April 2020, as part of the Plant Crist 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

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, January 2017 (EPA 540-R-2017-001).

The following samples were analyzed and reported in the laboratory report:

Laboratory ID	Client ID
400-186893-1	MW-100
400-186893-2	MW-101
400-186893-3	MW-107
400-186893-4	MW-108

Laboratory ID	Client ID
400-186893-5	MW-306
400-186893-6	MW-307
400-186893-7	DUP-01
400-186893-8	EB-01

The chain of custody (COC) indicates the samples were received at 3.4°C and 5.7°C within the criteria of 0-6 °C. No preservation issues were noted by the laboratory.

The laboratory report was revised on 27 July 2020 to add laboratory control sample (LCS) data to the sulfate batch 486794. The revised report was identified as 400-186893-1 Revision 1.

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 the data 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

The laboratory narrative indicated the percent difference (%D) for boron in the continuing calibration verification (CCV) in batch 486628 was outside the method specified acceptance criteria with a high bias. Since boron was either reported from a different analysis batch with acceptable CCV recoveries or not detected above the MDL in the associated samples, no qualifications were applied to the data.

1.2 Holding Time

The holding time for the metals analysis 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). One method blank was reported (batch 486339). Metals were not detected in the method blank above the method detection limits (MDLs) with the following exception.

Arsenic was detected at an estimated concentration greater than the MDL and less than the practical quantitation limit (PQL) in the method blank in batch 486531. Therefore, the estimated arsenic concentration in sample DUP-01 was U qualified as not detected at the PQL.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
DUP-01	Arsenic	0.00018	I	0.00025	U	3

I-estimated value between the MDL and PQL
*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). One batch MS/MSD pair was 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

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One LCS was reported. The recovery results were within the laboratory specified acceptance criteria.

1.6 Equipment Blank

One equipment blank, EB-01, was collected with the sample set. Metals were not detected in the equipment blank above the MDLs.

1.7 Field Blank

A field blank was not collected with the sample set.

1.8 Field Duplicate

One field duplicate was collected with the sample set, DUP-01. Acceptable precision [relative percent difference (RPD)≤ 30%] was demonstrated between the field duplicate and the original sample, MW-100, with the following exceptions.

The RPD result for boron in the field duplicate pair DUP-01/MW-100 was greater than 30%. Therefore, the boron concentrations in the field duplicate pair DUP-01/MW-100 were J qualified as estimated.

Arsenic was not detected in MW-100 and was detected at an estimated concentration greater than the MDL and less than the PQL in DUP-01, resulting in a noncalculable RPD. Since the estimated arsenic concentration in DUP-01 was U qualified due to method blank concentration and based on professional and technical judgment, no additional qualifications were applied to the data.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	RPD	Validation Result (mg/L)	Validation Qualifier	Reason Code
DUP-01	Boron	0.011	NA	58	0.011	J	7
MW-100	Boron	0.020	NA		0.020	J	7
DUP-01	Arsenic	0.00018	I	NC*	NA	NA	NA
MW-100	Arsenic	0.000078	U		NA	NA	NA

mg/L-milligram per liter
I-estimated concentration greater than the MDL and less than the PQL
U-not detected at or above the MDL
NA-not applicable
NC-not calculable
*no qualifications, see explanation above

1.9 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

1.10 Electronic Data Deliverable (EDD) Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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 the data 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%.

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). One method blank was reported (batch 486544). 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). One batch MS/MSD pair was 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). One LCS was reported. The recovery result was within the laboratory specified acceptance criteria.

2.6 Equipment Blank

One equipment blank, EB-01, was collected with the sample set. Mercury was not detected in the equipment blank above the MDL.

2.7 Field Blank

A field blank was not collected with the sample set.

2.8 Field Duplicate

One field duplicate was collected with the sample set, DUP-01. Acceptable precision (RPD ≤ 30%) was demonstrated between the field duplicate and the original sample, MW-100.

2.9 Sensitivity

The samples were reported to the MDL. Elevated non-detect results were not reported.

2.10 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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 the data 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 data set 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 486565 and 486569; chloride batches 486873 and 487120; sulfate batches 486794 and 486829 and fluoride batch 486995) The wet chemistry parameters were not detected in the method blanks above the MDLs with the following exception.

Fluoride was detected at an estimated concentration greater than the MDL and less than the PQL in the method blank in batch 486995. Since fluoride was not detected in the associated samples, no qualifications were applied to the data.

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 fluoride and chloride using sample MW-100. The recovery and RPD results were within the laboratory specified acceptance criteria.

One sample specific MS/MSD pair was reported for sulfate using sample MW-107. The recovery and RPD results were within the laboratory specified acceptance criteria

Batch MS/MSD pairs were also reported for chloride, fluoride, and sulfate. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

3.5 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.

The laboratory also analyzed method reporting limit (MRL) standards for chloride and sulfate. The MRL recoveries were within the laboratory specified acceptance criteria

3.6 Laboratory Duplicate

Three batch laboratory duplicates were reported for TDS. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

3.7 Equipment Blank

One equipment blank, EB-01, was collected with the sample set. The wet chemistry parameters were not detected in the equipment blank above the MDLs.

3.8 Field Blank

A field blank was not collected with the sample set.

3.9 Field Duplicate

One field duplicate was collected with the sample set, DUP-01. Acceptable precision (RPD ≤ 30%) was demonstrated between the field duplicate and the original sample, MW-100.

3.10 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

3.11 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS
AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for but was not detected 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	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
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

RPD-relative percent difference

Geosyntec consultants

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Memorandum

Date:	June 17, 2020
To:	Lane Dorman
From:	Kristoffer Henderson
CC:	J. Caprio
Subject:	**Stage 2A Data Validations - Level II Data Deliverable – Eurofins TestAmerica Job ID 400-186893-2**

SITE: Plant Crist

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of six water samples, one field duplicate and one equipment blank, collected April 16, 2020, as part of the Plant Crist sampling event.

The samples were analyzed at Eurofins TestAmerica, St Louis, MO, for the following analytical tests:

- Radium-226 by United States (US) Environmental Protection Agency (EPA) Method 9315
- Radium-228 by US EPA Method 9320
- Combined Radium 226 + 228 by Calculation

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data as qualified are usable for supporting project objectives. 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 report:

Laboratory ID	Client ID
400-186893-1	MW-100
400-186893-2	MW-101
400-186893-3	MW-107
400-186893-4	MW-108

Laboratory ID	Client ID
400-186893-5	MW-306
400-186893-6	MW-307
400-186893-7	DUP-01
400-186893-8	EB-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
✓ Laboratory Duplicate
✓ Tracers and Carriers
⊗ Equipment Blank
✓ Field Blank
✓ Field Duplicate
✓ Sensitivity
✓ Electronic Data Deliverable Review

1.1 Overall Assessment

The radium-226 and radium-228 data reported in this data package are considered usable for meeting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this sample set is 100%.

1.2 Holding Times

The holding time for the radiochemistry 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). Method blanks were reported for radium-226 (batch 468574) and radium-228 (batch 468579). The radiochemistry parameters were not detected in the method blanks above the minimum detectable concentrations (MDCs).

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). One LCS/LCS duplicate (LCSD) pair was reported for radium-226 and one LCS/LCSD pair was reported for radium-228. The recovery and replicate error ratio (RER) results were within the laboratory specified acceptance criteria.

1.6 Laboratory Duplicate

Laboratory duplicates were not reported.

1.7 Tracers and Carriers

Carriers were reported for the radium-226 and radium-228 analyses. The recovery results were within the laboratory specified acceptance criteria.

1.8 Equipment Blank

One equipment blank was collected with the sample set, EB-01. The radiochemistry parameters were not detected in the equipment blank above the MDCs, with the following exception.

Radium-228 (0.412 pCi/L) was detected in EB-01 at a concentration greater than the MDC. Therefore, the radium-228 and combined radium 226 + 228 concentrations in samples MW-100, MW-108 and DUP-01 were J+ qualified as estimated with high biases.

Sample	Analyte	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier*	Reason Code**
MW-100	Radium-228	0.635	NA	0.635	J+	3
MW-100	Combined Radium 226 + 228	0.971	NA	0.971	J+	3
MW-108	Radium-228	1.07	NA	1.07	J+	3
MW-108	Combined Radium 226 + 228	1.35	NA	1.35	J+	3
DUP-01	Radium-228	0.631	NA	0.631	J+	3
DUP-01	Combined Radium 226 + 228	0.909	NA	0.909	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

1.9 Field Blank

A field blank was not collected with the sample set.

1.10 Field Duplicate

One field duplicate was reported with the sample set, DUP-01. Acceptable precision (RER ≤ 3) was demonstrated between the field duplicate and the original sample, MW-100.

1.11 Sensitivity

The samples were reported to the MDCs. No elevated non-detect results were reported.

1.12 Electronic Data Deliverable (EDD) Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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.

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ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

Valid Value	Description
1	Preservation requirement not met
2	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
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

RPD-relative percent difference

Geosyntec consultants

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Memorandum

Date: August 4, 2020

To: Lane Dorman

From: Matthew Richardson

CC: J. Caprio

Subject: Stage 2A Data Validations - Level II Data Deliverable – Eurofins TestAmerica Job IDs 400-186948-1 Revision 1, 400-186948-3 Revision 1, 400-186948-5 Revision 1, 400-186948-7 Revision 1 and 400-186948-9

SITE: CCR Plant Crist

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of eighteen aqueous samples, three field blanks, two equipment blanks and two field duplicate samples, collected 17-18 April 2020, as part of the Plant Crist 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

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, January 2017 (EPA 540-R-2017-001).

The following samples were analyzed and reported in the laboratory report:

Laboratory ID	Client ID
400-186948-1	MW-102
400-186948-2	MW-103
400-186948-3	MW-104
400-186948-4	MW-105
400-186948-5	MW-106
400-186948-6	MW-109
400-186948-7	MW-110
400-186948-8	FB-02
400-186948-9	MW-202
400-186948-10	MW-203
400-186948-11	MW-204
400-186948-12	MW-205
400-186948-13	DUP-02

Laboratory ID	Client ID
400-186948-14	FB-01
400-186948-15	MW-300
400-186948-16	MW-303
400-186948-17	MW-304
400-186948-18	MW-305
400-186948-19	MW-308
400-186948-20	DUP-03
400-186948-21	EB-02
400-186948-22	MW-200
400-186948-23	EB-03
400-186948-24	MW-206
400-186948-25	FB-03

The chain of custody (COC) indicates the samples were received between 0.0°C-2.5°C within the criteria of 0-6ºC. No preservation issues were noted by the laboratory.

The relinquished signature for the initial sample transfer was not documented on the COC for laboratory report 400-186948-5.

Incorrect error corrections were observed on the COC for laboratory reports 400-186948-1 and 400-186948-9, instead of the proper procedure of a single strike through, correction and initials and date of person making the corrections.

Laboratory reports 400-186948-3, 400-186948-5 and 400-186948-7 were revised on 9 July 2020 to include the fluoride method blank in analysis batch 487045 and to include the QC data for analysis batch 486569. The revised reports were identified as 400-186948-3 Revision 1, 400-186948-5 Revision 1 and 400-186948-7 Revision 1.

Laboratory report 400-186948-1 was revised on 9 July 2020 to remove the QC data for analysis batch 487247 and to include the QC data for analysis batch 486569 and the fluoride method blank in analysis batch 487045. The revised report was identified as 400-186948-1 Revision 1.

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
⊗ Field Blank
⊗ Equipment Blank
⊗ Field Duplicate
✓ Sensitivity
✓ Electronic Data Deliverable Review

1.1 Overall Assessment

1.1.1 Completeness

The metals data reported in the data sets 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 sets are 100%.

1.1.2 Analysis Anomaly

The laboratory narrative indicated the percent difference (%D) for calcium in the continuing calibration verification (CCV) in batch 486886 was outside the method specified acceptance criteria with a high bias. Since calcium was not detected in the associated samples, no qualifications were applied to the data.

1.2 Holding Time

The holding time for the metals analysis 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). Three method blanks were reported (batches 486354, 486492 and 486531). Metals were not detected in the method blanks above the method detection limits (MDLs) with the following exception.

Cadmium was detected at an estimated concentration greater than the MDL and less than the practical quantitation limit (PQL) in the method blank in batch 486531. Therefore, the estimated cadmium concentrations in samples EB-02, MW-206, DUP-03 and MW-308 were U qualified as not detected at the PQL.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
EB-02	Cadmium	0.00012	I,V	0.00050	U	3
MW-206	Cadmium	0.00029	I,V	0.00050	U	3
DUP-03	Cadmium	0.000069	I,V	0.00050	U	3
MW-308	Cadmium	0.000089	I,V	0.00050	U	3

mg/L-milligram per liter
I-laboratory flag indicating the reported value is between the laboratory MDL and the laboratory PQL
V-laboratory flag indicating 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
*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). One sample set specific MS/MSD pair was reported, using sample MW-308. The recoveries and relative percent differences (RPDs) were within the laboratory specified acceptance criteria, with the following exceptions.

The recoveries of boron in the MS/MSD pair using sample MW-308 were high and outside the laboratory specified acceptance criteria. Since the concentration of boron in the parent sample was greater than four times the spike concentration, no qualification was applied to the boron result, based on technical and professional judgment.

Two batch MS/MSD pairs were also reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

1.5 Laboratory Control Sample (LCS)

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.

1.6 Field Blank

Three field blanks, FB-01, FB-02 and FB-03, were collected with the sample set. Metals were not detected in the field blanks above the MDLs, with the following exceptions.

Arsenic was detected at an estimated concentration greater the MDL and less than the PQL in FB-01. Therefore, the estimated arsenic concentrations in the associated samples were U qualified as not detected at the PQL.

Boron was detected at concentrations greater than the PQL in FB-01 (0.014 mg/L) and FB-02 (0.018 mg/L). Therefore, the boron concentrations in the associated samples greater than field blank concentration and less than ten times the field blank concentration were J+ qualified as estimated with high biases and the boron concentration greater than the PQL and less than the field blank concentration was U qualified as not detected at the sample concentration.

Barium was detected at an estimated concentration greater the MDL and less than the PQL in FB-03. Since barium was detected at concentrations greater than the PQL in the associated samples, no qualifications were applied to the barium data.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-203	Arsenic	0.000083	I	0.00025	U	3
MW-205	Arsenic	0.00015	I	0.00025	U	3
MW-110	Arsenic	0.00012	I	0.00025	U	3
MW-102	Boron	0.012	NA	0.012	U	3
MW-106	Boron	0.070	NA	0.070	J+	3
DUP-03	Boron	0.021	NA	0.021	J+	3
MW-305	Boron	0.016	NA	0.016	J+	3
MW-300	Boron	0.027	NA	0.027	J+	3

mg/L-milligram per liter
I-laboratory flag indicating the reported value is between the laboratory MDL and the laboratory PQL
NA-not applicable

1.7 Equipment Blank

Two equipment blanks, EB-02 and EB-03, were collected with the sample set. Metals were not detected in the equipment blanks above the MDLs, with the following exceptions.

Arsenic, barium, cadmium and chromium were detected at estimated concentrations greater than the MDLs and less than the PQLs in EB-02. Since barium and chromium were either not detected or detected above the PQLs in the associated samples, no qualifications were applied to the barium and chromium data. Also, since the estimated arsenic and cadmium concentrations in the associated samples were qualified due to field blank contamination and method blank contamination; respectively, no additional qualifications were applied to the arsenic and cadmium data.

Arsenic and barium were detected at estimated concentrations greater than the MDLs and less than the PQLs in EB-03. Since barium was detected at concentrations greater than the PQL in the associated samples and the estimated arsenic concentrations were qualified due to field blank contamination, no additional qualifications were applied to the arsenic and barium data.

1.8 Field Duplicate

Two field duplicates were collected with the sample set, DUP-02 and DUP-03. Acceptable precision (RPD ≤ 30%) was demonstrated between the field duplicates and the original samples, MW-203 and MW-305, respectively, with the following exceptions.

Arsenic and lithium were detected at concentrations greater than the MDLs in sample MW-305 and not detected above the MDLs in field duplicate sample, DUP-03, resulting in noncalculable RPDs. Therefore, the arsenic and lithium concentrations in sample MW-305 were J qualified as estimated and the non-detect arsenic and lithium results in field duplicate sample DUP-03 were UJ qualified as estimated less than the MDLs.

Beryllium was detected at a concentration greater than the MDL and less than the PQL in field duplicate sample DUP-03 and not detected above the MDL in sample, MW-305, resulting in a noncalculable RPD. Therefore, the beryllium concentration in DUP-03 was J qualified as estimated and the non-detect beryllium result in MW-305 was UJ qualified as estimated less than the MDL.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	RPD	Validation Result (mg/L)	Validation Qualifier	Reason Code
DUP-03	Arsenic	0.000078	U	NC	0.000078	UJ	7
MW-305	Arsenic	0.00042	NA		0.00042	J	7
DUP-03	Beryllium	0.000036	I	NC	0.000036	J	7
MW-305	Beryllium	0.000034	U		0.000034	UJ	7
DUP-03	Lithium	0.00038	U	NC	0.00038	UJ	7
MW-305	Lithium	0.00047	I		0.00047	J	7

mg/L-milligram per liter
U-not detected at the MDL
NA-not applicable

NC-not calculable
I-laboratory flag indicating the reported value is between the laboratory MDL and the laboratory PQL

1.9 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

1.10 Electronic Data Deliverable (EDD) 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 the data sets 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 sets are 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). Two method blanks were reported (batches 487398 and 487403). Mercury was not detected in the method blanks 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). One sample specific MS/MSD pair was reported using sample MW-303. The recovery and RPD results were within the laboratory specified acceptance criteria.

One batch MS/MSD pair was also reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data

2.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two LCSs were reported. The recovery results were within the laboratory specified acceptance criteria.

2.6 Equipment Blank

Two equipment blanks, EB-02 and EB-03, were collected with the sample set. Mercury was not detected in the equipment blanks above the MDL.

2.7 Field Blank

Three field blanks, FB-01, FB-02 and FB-03, were collected with the sample set. Mercury was not detected in the field blanks above the MDL.

2.8 Field Duplicate

Two field duplicates were collected with the sample set, DUP-02 and DUP-03. Acceptable precision (RPD $\leq$ 30%) was demonstrated between the field duplicates and the original samples, MW-203 and MW-305, respectively.

2.9 Sensitivity

The samples were reported to the MDL. Elevated non-detect results were not reported.

2.10 Electronic Data Deliverable 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 report 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 the data sets 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 data sets are 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 486847 and 486569, chloride batches 487142, 487120 and 486873 sulfate batches 486829 and 486843, fluoride batches 486995, 487045 and 487053) The wet chemistry parameters were not detected in the method blanks above the MDLs, with the following exception.

Fluoride was detected at estimated concentrations greater than the MDL and less than the PQL in the method blanks. Therefore, the estimated fluoride concentrations in samples MW-110, MW-105 and MW-205 were U qualified as not detected at the PQL.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-110	Fluoride	0.040	I,V	0.10	U	3
MW-105	Fluoride	0.040	I,V	0.10	U	3
MW-205	Fluoride	0.040	I,V	0.10	U	3

mg/L-milligram per liter
I-laboratory flag indicating the reported value is between the laboratory MDL and the laboratory PQL
V-laboratory flag indicating 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

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).

Two sample set specific MS/MSD pairs were reported for fluoride using samples MW-104 and DUP-02. The recovery and RPD results were within the laboratory specified acceptance criteria, with the following exception.

The MSD recovery for fluoride in the MS/MSD pair using sample MW-104 was low and outside the laboratory specified acceptance criteria. Therefore, the fluoride concentration in MW-104 was J- qualified as estimated with a low bias.

Two sample specific MS/MSD pairs were reported for chloride using samples DUP-03 and MW-203. The recovery and RPD results were within the laboratory specified acceptance criteria.

Three sample specific MS/MSD pairs were reported for sulfate using samples FB-03, MW-300 and MW-106. The recovery and RPD results were within the laboratory specified acceptance criteria

Batch MS/MSD pairs were also reported for chloride, fluoride and sulfate. 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	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-104	Fluoride	0.30	V	0.30	J-	4

mg/L-milligram per liter
V-laboratory flag indicating 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

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.

The laboratory also analyzed method reporting limit (MRL) standards for chloride and sulfate. The MRL recoveries were within the laboratory specified acceptance criteria

3.6 Laboratory Duplicate

Two sample set specific laboratory duplicates were reported for TDS using samples MW-105 and MW-205. The RPD result for the laboratory duplicate using MW-205 was within the laboratory specified acceptance criteria.

The RPD result for the laboratory duplicate using MW-105 was high and outside the laboratory specified acceptance criteria. Therefore, the TDS concentration in MW-105 was J qualified as estimated.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-105	TDS	180	NA	180	J	12

mg/L-milligram per liter

NA-not applicable

Batch laboratory duplicates were also reported for TDS. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

3.7 Equipment Blank

Two equipment blanks, EB-02 and EB-03, were collected with the sample set. The wet chemistry parameters were not detected in the equipment blanks above the MDLs.

3.8 Field Blank

Three field blanks, FB-01, FB-02 and FB-03, were collected with the sample set. The wet chemistry parameters were not detected in the field blanks above the MDLs.

3.9 Field Duplicate

Two field duplicates were collected with the sample set, DUP-02 and DUP-03. Acceptable precision (RPD≤30%) was demonstrated between the field duplicates and the original samples, MW-203 and MW-305, respectively, with the following exception.

The RPD results for TDS in the field duplicate pairs were greater than 30%. Therefore, the TDS concentrations in the field duplicate pairs were J qualified as estimated.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	RPD	Validation Result (mg/L)	Validation Qualifier	Reason Code
DUP-02	Total Dissolved Solids	48	NA	70	48	J	7
MW-203	Total Dissolved Solids	100	NA		100	J	7
DUP-03	Total Dissolved Solids	110	NA	101	110	J	7
MW-305	Total Dissolved Solids	36	NA		36	J	7

mg/L-milligram per liter
NA-not applicable

3.10 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

3.11 Electronic Data Deliverable Review

The results and sample IDs in the EDDs were reviewed against the information provided by the associated level II reports at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II reports and the EDDs.

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ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS
AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for but was not detected 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.

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ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

Valid Value	Description
1	Preservation requirement not met
2	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
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

RPD-relative percent difference

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Memorandum

Date:	June 17, 2020
To:	Lane Dorman
From:	Kristoffer Henderson
CC:	J. Caprio
Subject:	**Stage 2A Data Validations - Level II Data Deliverable – Eurofins TestAmerica Job IDs 400-186948-2, 400-186948-4, 400-186948-6, 400-186948-8 and 400-186948-10**

SITE: Plant Crist

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of eighteen water samples, two field duplicates, two equipment blanks and three field blanks collected April 17-18, 2020, as part of the Plant Crist sampling event.

The samples were analyzed at Eurofins TestAmerica, St Louis, MO, for the following analytical tests:

- Radium-226 by United States (US) Environmental Protection Agency (EPA) Method 9315
- Radium-228 by US EPA Method 9320
- Combined Radium 226 + 228 by Calculation

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data are usable for supporting project objectives.

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 report:

Laboratory ID	Client ID
400-186948-1	MW-102
400-186948-2	MW-103
400-186948-3	MW-104
400-186948-4	MW-105
400-186948-5	MW-106
400-186948-6	MW-109
400-186948-7	MW-110
400-186948-8	FB-02
400-186948-9	MW-202
400-186948-10	MW-203
400-186948-11	MW-204
400-186948-12	MW-205
400-186948-13	DUP-02

Laboratory ID	Client ID
400-186948-14	FB-01
400-186948-15	MW-300
400-186948-16	MW-303
400-186948-17	MW-304
400-186948-18	MW-305
400-186948-19	MW-308
400-186948-20	DUP-03
400-186948-21	EB-02
400-186948-22	MW-200
400-186948-23	EB-03
400-186948-24	MW-206
400-186948-25	FB-03

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
- ✓ Laboratory Duplicate
- ✓ Tracers and Carriers
- ✓ Equipment Blank
- ✓ Field Blank
- ✓ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverable Review

1.1 Overall Assessment

The radium-226 and radium-228 data reported in these data packages are considered usable for meeting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this sample set is 100%.

1.2 Holding Times

The holding time for the radiochemistry 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). Method blanks were reported for radium-226 (batches 468595 and 468574) and radium-228 (batches 468597 and 468579). The radiochemistry parameters were not detected in the method blanks above the minimum detectable concentrations (MDCs).

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/LCS 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 Laboratory Duplicate

Laboratory duplicates were not reported.

1.7 Tracers and Carriers

Carriers were reported for the radium-226 and radium-228 analyses. The recovery results were within the laboratory specified acceptance criteria.

1.8 Equipment Blank

Two equipment blanks were collected with the sample set, EB-02 and EB-03. The radiochemistry parameters were not detected in the equipment blanks above the MDCs.

1.9 Field Blank

Three field blanks were collected with the sample set, FB-01, FB-02 and FB-03. The radiochemistry parameters were not detected in the field blanks above the MDCs.

1.10 Field Duplicate

Two field duplicates were reported with the sample set, DUP-02 and DUP-03. Acceptable precision (RER $\leq$ 3) was demonstrated between the field duplicates and the original samples, MW-203 and MW-305, respectively.

1.11 Sensitivity

The samples were reported to the MDCs. No elevated non-detect results were reported.

1.12 Electronic Data Deliverables (EDDs) Review

The results and sample IDs in the EDDs were reviewed against the information provided by the associated level II reports at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II reports and the EDDs.

ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for but was not detected 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	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
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

RPD-relative percent difference

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Memorandum

Date:	4 August 2020
To:	Lane Dorman
From:	Matthew Richardson
CC:	Julia Caprio
Subject:	**Stage 2A Data Validations - Level II Data Deliverable – Eurofins TestAmerica Job ID 400-187254-1**

SITE: CCR Plant Crist

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of seven aqueous samples, one field duplicate sample, one field blank, and one equipment blank, collected 24-25 April 2020, as part of the Plant Crist sampling event.

The samples were analyzed at Eurofins TestAmerica, Pensacola, Florida, for the following analytical tests:

- Total and Dissolved Metals by United States (US) Environmental Protection Agency (EPA) Methods 3005A/6020
- Total and Dissolved Mercury by US EPA Method 7470A
- Total Dissolved Solids (TDS) and field filtered TDS by Standard Method (SM) 2540C
- Total and Dissolved Chloride by SM 4500 CL-E
- Total and Dissolved Fluoride by SM 4500 F C
- Total and Dissolved Sulfate by SM 4500 SO4 E

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:

- 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, January 2017 (EPA 540-R-2017-001).

The following samples were analyzed and reported in the laboratory report:

Laboratory ID	Client ID
400-187254-1	PZ-200S
400-187254-2	PZ-200D
400-187254-3	GSA-2S
400-187254-4	PZ-201D
400-187254-5	PZ-203D

Laboratory ID	Client ID
400-187254-6	MW-2032
400-187254-7	EB-04
400-187254-8	FB-04
400-187254-9	DUP-04
400-187254-10	PZ-200D FF

The chain of custody (COC) indicates the samples were received at 1.2°C, 0.4°C, and 0.8°C within the criteria of 0-6°C. No preservation issues were noted by the laboratory.

The laboratory narrative indicated a field filtered sample, PZ-200D FF, was logged and analyzed. Sample PZ-200D FF was not documented on the COC.

Incorrect error corrections were observed on the COC, instead of the proper procedure of a single strike through, correction, and initials and date of person making the corrections.

1.0 METALS

The samples were analyzed for total and dissolved 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

⊗ Total vs Dissolved Metals Assessment
✓ Electronic Data Deliverable Review

1.1 Overall Assessment

1.1.1 Completeness

The metals data reported in the data 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

The laboratory narrative indicated that the percent difference (%D) for arsenic in the continuing calibration verification (CCV) in batch 487841 was outside the method specified acceptance criteria with a high bias. Since arsenic was not detected in the associated samples, no qualifications were applied to the data.

The laboratory narrative indicated that the percent relative standard deviations (%RSDs) for the metals in the initial calibration verification (ICV) in batch 488265 were outside the laboratory specified acceptance criteria. Since the %RSDs for the metals in the associated samples were within the laboratory specified acceptance criteria, no qualifications were applied to the data.

1.2 Holding Time

The holding time for the metals analysis 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). One method blank was reported (batch 487132). Metals were not detected in the method blank above the method detection limits (MDLs).

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). One sample set specific MS/MSD pair was reported using sample PZ-200S. The recovery and relative percent difference (RPD) results were within the laboratory specified acceptance criteria, with the following exceptions.

The recoveries of total and dissolved boron and total and dissolved calcium in the MS/MSD using sample PZ-200S were low and outside the laboratory specified acceptance criteria. Since the concentrations of total and dissolved boron and total and dissolved calcium in sample PZ-200S were greater than four times the spike concentrations, no qualification was applied to the data, based on technical and professional judgment.

1.5 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One LCS was reported. The recovery results were within the laboratory specified acceptance criteria.

1.6 Equipment Blank

One equipment blank, EB-04, was collected with the sample set. Metals were not detected in the equipment blank above the MDLs.

1.7 Field Blank

One field blank, FB-04, was collected with the sample set. Metals were not detected in the field blank above the MDLs.

1.8 Field Duplicate

One field duplicate was collected with the sample set, DUP-04. Acceptable precision (RPD $\leq$ 30%) was demonstrated between the field duplicate and the original sample, MW-2032.

1.9 Sensitivity

The samples were reported to the MDLs. An elevated non-detect boron result was reported due to the analyzed dilution of sample PZ-200D.

1.10 Total vs Dissolved Assessment

Sample PZ-200D was submitted as both an unfiltered and field filtered sample to report total and dissolved metals, respectively. The total metals concentrations were greater than the dissolved metals concentrations, with the following exceptions.

Total arsenic was not detected in PZ-200D and dissolved arsenic and boron were detected in PZ-200D FF. Therefore, the non-detect total arsenic result in PZ-200D was UJ qualified as estimated less than the MDL and the dissolved arsenic concentration in PZ-220D was J qualified as estimated.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	RPD	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
PZ-200D	Arsenic	0.000078	U	NC	0.000078	UJ	13
PZ-200D FF	Dissolved Arsenic	0.00013	I		0.00013	J	13

mg/L-milligram per liter
I-laboratory flag indicating the reported value is between the laboratory MDL and the laboratory PQL
U-not detected at or above the MDL
NC-not calculable
*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

1.11 Electronic Data Deliverable (EDD) Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

2.0 MERCURY

The samples were analyzed for total and dissolved 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
✓ Total vs Dissolved Metals Assessment
✓ Electronic Data Deliverable Review

2.1 Overall Assessment

The mercury data reported in the data 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%.

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). One method blank was reported (batch 487517). 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). One batch MS/MSD pair was 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). One LCS was reported. The recovery result was within the laboratory specified acceptance criteria.

2.6 Equipment Blank

One equipment blank, EB-04, was collected with the sample set. Mercury was not detected in the equipment blank above the MDL.

2.7 Field Blank

One field blank, FB-04, was collected with the sample set. Mercury was not detected in the field blank above the MDL.

2.8 Field Duplicate

One field duplicate was collected with the sample set, DUP-04. Acceptable precision (RPD $\leq$ 30%) was demonstrated between the field duplicate and the original sample, MW-2032.

2.9 Sensitivity

The samples were reported to the MDL. Elevated non-detect results were not reported.

2.10 Total vs Dissolved Assessment

Sample PZ-200D was submitted as both an unfiltered and field filtered sample to report total and dissolved mercury, respectively. The total mercury concentration was greater than the dissolved mercury concentrations.

2.11 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

3.0 WET CHEMISTRY

The samples were analyzed for total and dissolved chloride by SM 4500 Cl-E, total and dissolved fluoride by SM 4500 F C, total and dissolved sulfate by SM 4500 SO4 E and TDS and field filtered 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
✓ Total vs Dissolved Metals Assessment
✓ Electronic Data Deliverable Review

3.1 Overall Assessment

The wet chemistry data reported in the data 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 data set 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 487637 and 487640; chloride batches 487962 and 487968; sulfate batches 487465 and 487586 and fluoride batch 487053) The wet chemistry parameters were not detected in the method blanks above the MDLs with the following exceptions.

Total and dissolved fluoride were detected at estimated concentrations greater than the MDLs and less than the PQLs in the method blank in batch 486995. Therefore, estimated fluoride concentrations in samples PZ-200D FF, PZ-200D, and PZ-201D were U qualified as not detected at the PQLs.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
PZ-200D FF	Dissolved Fluoride	0.070	I,V	0.10	U	3
PZ-200D	Fluoride	0.080	I,V	0.10	U	3
PZ-201D	Fluoride	0.050	I,V	0.10	U	3

mg/L-milligram per liter
I-laboratory flag indicating the reported value is between the laboratory MDL and the laboratory PQL
V-laboratory flag indicating 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

3.4 Matrix Spike/Matrix Spike Duplicate

One sample set specific MS/MSD pair was reported for fluoride using sample PZ-200S. The recovery and RPD results were within the laboratory specified acceptance criteria.

One sample specific MS/MSD pair was reported for chloride using sample MW-2032. The recovery and RPD results were within the laboratory specified acceptance criteria.

One sample specific MS/MSD pair was reported for total sulfate using sample PZ-200S. The RPD result were within the laboratory specified acceptance criteria; however, the recoveries of sulfate in the MS/MSD pair using sample PZ-200S were low and outside the laboratory specified acceptance criteria. Since the concentration of total sulfate in the parent sample was greater than four times the spike concentration, no qualification was applied to the total sulfate result, based on technical and professional judgment.

Batch MS/MSD pairs were also reported for chloride, fluoride, and sulfate. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

3.5 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.

The laboratory also analyzed method reporting limit (MRL) standards for chloride and sulfate. The MRL recoveries were within the laboratory specified acceptance criteria

3.6 Laboratory Duplicate

Three batch laboratory duplicates were reported for TDS. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

3.7 Equipment Blank

One equipment blank, EB-04, was collected with the sample set. The wet chemistry parameters were not detected in the equipment blank above the MDLs.

3.8 Field Blank

One field blank, FB-04, was collected with the sample set. The wet chemistry parameters were not detected in the field blank above the MDLs.

3.9 Field Duplicate

One field duplicate was collected with the sample set, DUP-04. Acceptable precision (RPD $\leq$ 30%) was demonstrated between the field duplicate and the original sample, MW-2032.

3.10 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

3.11 Total vs Dissolved Assessment

Sample PZ-200D was submitted as both an unfiltered and field filtered sample to report total and dissolved wet chemistry parameters, respectively. The total wet chemistry parameters concentrations were greater than the dissolved wet chemistry parameters concentrations, with the following exceptions.

The TDS concentration in PZ-200D was less than the field filtered TDS concentration in PZ-200D FF. Since the RPD between the TDS concentration and field filtered TDS concentration was less than 30%, no qualifications were applied to the data, based on professional and technical judgment.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	RPD
PZ-200D	TDS	44	NA	NC
PZ-200D FF	TDS	54	NA	

mg/L-milligrams per liter
NA-not applicable

3.12 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for but was not detected 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	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
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

RPD-relative percent difference

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Memorandum

Date:	June 17, 2020
To:	Lane Dorman
From:	Kristoffer Henderson
CC:	J. Caprio
Subject:	**Stage 2A Data Validations - Level II Data Deliverable – Eurofins TestAmerica Job ID 400-187254-2**

SITE: Plant Crist

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of six water samples, one field filtered water sample, one field duplicate, one equipment blank and one field blank, collected April 24-25, 2020, as part of the Plant Crist sampling event.

The samples were analyzed at Eurofins TestAmerica, St Louis, MO, for the following analytical tests:

- Total and Dissolved Radium-226 by United States (US) Environmental Protection Agency (EPA) Method 9315
- Total and Dissolved Radium-228 by US EPA Method 9320
- Total and Dissolved Combined Radium 226 + 228 by Calculation

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data as qualified are usable for supporting project objectives. 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 report:

Laboratory ID	Client ID
400-187254-1	PZ-200S
400-187254-2	PZ-200D
400-187254-3	GSA-2S
400-187254-4	PZ-201D
400-187254-5	PZ-203D

Laboratory ID	Client ID
400-187254-6	MW-2032
400-187254-7	EB-04
400-187254-8	FB-04
400-187254-9	DUP-04
400-187254-10	PZ-200D FF

No preservation issues were noted by the laboratory. Incorrect error correction was noted on the chain of custody (COC) rather than the correct procedure of a single strike through, correction, and initials of the person making the correction and the date.

1.0 RADIOCHEMISTRY

The samples were analyzed for total and dissolved radium-226 by US EPA method 9315, total and dissolved radium-228 by US EPA method 9320 and total and dissolved 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
✓ Laboratory Duplicate
✓ Tracers and Carriers
✓ Equipment Blank
✓ Field Blank
✓ Field Duplicate
✓ Sensitivity
✓ Total and Dissolved Radiochemistry Assessment
✓ Electronic Data Deliverable Review

1.1 Overall Assessment

The radium-226 and radium-228 data reported in this data package are considered usable for meeting project objectives. The results are considered valid; the analytical completeness defined

as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this sample set is 100%.

1.2 Holding Times

The holding time for the radiochemistry 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). Method blanks were reported for radium-226 (batch 469549) and radium-228 (batch 469552). The radiochemistry parameters were not detected in the method blanks above the minimum detectable concentrations (MDCs), with the following exception.

Radium-228 (0.5571 pCi/L) was detected in the method blank in batch 468552 at a concentration greater than the MDC. Therefore, based on professional and technical judgment, the radium-228 and combined radium 226 + 228 concentrations in samples DUP-04, GSA-2S, MW-2032, PZ-200D FF, PZ-200S and PZ-203D were J+ qualified as estimated with high biases.

Sample	Analyte	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier*	Reason Code**
PZ-200S	Radium-228	3.74	NA	3.74	J+	3
PZ-200S	Combined Radium 226 + 228	7.74	NA	7.74	J+	3
GSA-2S	Radium-228	2.72	NA	2.72	J+	3
GSA-2S	Combined Radium 226 + 228	4.58	NA	4.58	J+	3
PZ-203D	Radium-228	0.796	NA	0.796	J+	3
PZ-203D	Combined Radium 226 + 228	0.945	NA	0.945	J+	3
MW-2032	Radium-228	0.691	NA	0.691	J+	3
MW-2032	Combined Radium 226 + 228	0.890	NA	0.890	J+	3
DUP-04	Radium-228	0.642	NA	0.642	J+	3
DUP-04	Combined Radium 226 + 228	0.935	NA	0.935	J+	3
PZ-200D FF	Radium-228	0.598	NA	0.598	J+	3
PZ-200D FF	Combined Radium 226 + 228	0.879	NA	0.879	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). One LCS/LCS duplicate (LCSD) pair was reported for radium-226 and one LCS/LCSD pair was reported for radium-228. The recovery and replicate error ratio (RER) results were within the laboratory specified acceptance criteria.

1.6 Laboratory Duplicate

Laboratory duplicates were not reported.

1.7 Tracers and Carriers

Carriers were reported for the radium-226 and radium-228 analyses. The recovery results were within the laboratory specified acceptance criteria.

1.8 Equipment Blank

One equipment blank was collected with the sample set, EB-04. The radiochemistry parameters were not detected in the equipment blank above the MDCs.

1.9 Field Blank

One field blank was collected with the sample set, FB-04. The radiochemistry parameters were not detected in the field blank above the MDCs.

1.10 Field Duplicate

One field duplicate was reported with the sample set, DUP-04. Acceptable precision (RER $\leq$ 3) was demonstrated between the field duplicate and the original sample, MW-2032.

1.11 Sensitivity

The samples were reported to the MDCs. No elevated non-detect results were reported.

1.12 Total and Dissolved Radiochemistry Assessment

Sample PZ-200D was collected as both a filtered and unfiltered sample. Dissolved radium-226 and radium-228 were detected at concentrations greater than the total radium-226 and radium-228

concentrations. Since the RERs were less than 3 and based on professional and technical judgment, no qualifications were applied to the data.

1.13 Electronic Data Deliverable (EDD) Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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.

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ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

Valid Value	Description
1	Preservation requirement not met
2	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
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

RPD-relative percent difference

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Memorandum

Date:	4 August 2020
To:	Lane Dorman
From:	Matthew Richardson
CC:	J. Caprio
Subject:	**Stage 2A Data Validations - Level II Data Deliverable – Eurofins TestAmerica Job ID 400-187257-1**

SITE: CCR Plant Crist

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of one aqueous sample, collected 22 April 2020, as part of the Plant Crist sampling event.

The sample was 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 this Stage 2A data validation covering the quality control (QC) parameters listed below and the information provided, the data are usable for supporting project objectives.

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, January 2017 (EPA 540-R-2017-001).

The following sample was analyzed and reported in the laboratory report:

Laboratory ID	Client ID
400-187257-1	MW-201

The chain of custody (COC) indicates the sample was received at 1.2°C within the criteria of 0-6 °C. No preservation issues were noted by the laboratory.

1.0 METALS

The sample was 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

The metals data reported in the data 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%.

1.2 Holding Time

The holding time for the metals analysis of a water sample is 180 days from sample collection to analysis. The holding times were met for the sample analysis.

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). One method blank was reported (batch 487132). Metals were not detected in the method blank above the method detection limits (MDLs), with the following exception.

Arsenic (0.000269 mg/L) was detected at a concentration greater than the practical quantitation limit (PQL) in the method blank in batch 487132. Since arsenic was not detected above the MDL in sample MW-201, no qualifications were applied to the data.

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). One batch MS/MSD pair was reported. Since these were batch QC, the results do not affect the sample 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). One LCS was reported. The recovery results were within the laboratory specified acceptance criteria.

1.6 Equipment Blank

An equipment blank was not collected with the sample.

1.7 Field Blank

A field blank was not collected with the sample.

1.8 Field Duplicate

A field duplicate was not collected with the sample.

1.9 Sensitivity

The sample was reported to the MDLs. Elevated non-detect results were not reported.

1.10 Electronic Data Deliverable (EDD) Review

The results and sample ID in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

2.0 MERCURY

The sample was 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 the data 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%.

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 analysis.

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). One method blank was reported (batch 487517). 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). One batch MS/MSD pair was 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). One LCS was reported. The recovery result was within the laboratory specified acceptance criteria.

2.6 Equipment Blank

An equipment blank was not collected with the sample.

2.7 Field Blank

A field blank was not collected with the sample.

2.8 Field Duplicate

A field duplicate was not collected with the sample.

2.9 Sensitivity

The sample was reported to the MDL. An elevated non-detect result was not reported.

2.10 Electronic Data Deliverable Review

The results and sample ID in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

3.0 WET CHEMISTRY

The sample was 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 the data 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 data set 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 batch 487316, chloride batch 487968, sulfate batch 487586 and fluoride batch 487053) The wet chemistry parameters were not detected in the method blanks above the MDLs, with the following exception.

Fluoride was detected at an estimated concentration greater than the MDL and less than the PQL in the method blank in batch 487053. Since fluoride was detected at a concentration greater than the PQL in sample MW-201, no qualifications were applied to the data.

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).

One sample set specific MS/MSD pair was reported for fluoride using sample MW-201. The recovery and RPD results were within the laboratory specified acceptance criteria.

Batch MS/MSD pairs were also reported for chloride and sulfate. One batch MSD was also reported for fluoride. Since these were batch QC, the results do not affect the sample in this data set and qualifications were not applied to the data.

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.

The laboratory also analyzed method reporting limit (MRL) standards for chloride and sulfate. The MRL recoveries were within the laboratory specified acceptance criteria

3.6 Laboratory Duplicate

One batch laboratory duplicate was reported for TDS. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

3.7 Equipment Blank

An equipment blank was not collected with the sample.

3.8 Field Blank

A field blank was not collected with the sample.

3.9 Field Duplicate

A field duplicate was not collected with the sample.

3.10 Sensitivity

The sample was reported to the MDLs. Elevated non-detect results were not reported.

3.11 Electronic Data Deliverable Review

The results and sample ID in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS
AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for but was not detected 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.

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ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

Valid Value	Description
1	Preservation requirement not met
2	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
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

RPD-relative percent difference

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Memorandum

Date:	June 17, 2020
To:	Lane Dorman
From:	Kristoffer Henderson
CC:	J. Caprio
Subject:	**Stage 2A Data Validations - Level II Data Deliverable – Eurofins TestAmerica Job ID 400-187257-2**

SITE: Plant Crist

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of one water sample, collected April 22, 2020, as part of the Plant Crist sampling event.

The sample was analyzed at Eurofins TestAmerica, St Louis, MO, for the following analytical tests:

- Radium-226 by United States (US) Environmental Protection Agency (EPA) Method 9315
- Radium-228 by US EPA Method 9320
- Combined Radium 226 + 228 by Calculation

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data are usable for supporting project objectives.

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 sample was analyzed and reported in the laboratory report:

Laboratory ID	Client ID
400-187257-1	MW-201

No preservation issues were noted by the laboratory.

1.0 RADIOCHEMISTRY

The sample was 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
- ✓ Laboratory Duplicate
- ✓ Tracers and Carriers
- ✓ Equipment Blank
- ✓ Field Blank
- ✓ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverable Review

1.1 Overall Assessment

The radium-226 and radium-228 data reported in this data package are considered usable for meeting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this sample set is 100%.

1.2 Holding Times

The holding time for the radiochemistry 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). Method blanks were reported for radium-226 (batch 469233) and radium-228 (batch 469239). The radiochemistry parameters were not detected in the method blanks above the minimum detectable concentrations (MDCs).

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). One LCS/LCS duplicate (LCSD) pair was reported for radium-226 and one LCS/LCSD pair was reported for radium-228. The recovery and replicate error ratio (RER) results were within the laboratory specified acceptance criteria.

1.6 Laboratory Duplicate

Laboratory duplicates were not reported.

1.7 Tracers and Carriers

Carriers were reported for the radium-226 and radium-228 analyses. The recovery results were within the laboratory specified acceptance criteria.

1.8 Equipment Blank

An equipment blank was not collected with the sample set.

1.9 Field Blank

A field blank was not collected with the sample set.

1.10 Field Duplicate

A field duplicate was not collected with the sample set.

1.11 Sensitivity

The sample was reported to the MDCs. No elevated non-detect results were reported.

1.12 Electronic Data Deliverable (EDD) Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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	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
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

RPD-relative percent difference

Product Name: Low-Flow System

Date: 2020-10-07 13:54:47

Project Information:		Pump Information:	
Operator Name	Philip Evans	Pump Model/Type	BP
Company Name	RDH Environmental	Tubing Type	PE
Project Name	Crist plant CCR	Tubing Diameter	.17 in
Site Name	Crist Plant	Tubing Length	121 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	417744		
Turbidity Make/Model	HACH 2100Q	Pump placement from TOC	104 ft

Well Information:		Pumping Information:	
Well ID	MW-100	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.7600741 L
Well Total Depth	119 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0.36 in
Depth to Water	90.02 ft	Total Volume Pumped	12 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	13:33:37	600.02	22.46	4.72	45.07	2.02	90.05	8.13	302.66
Last 5	13:38:37	900.02	22.25	4.73	44.78	1.94	90.05	8.18	296.90
Last 5	13:43:37	1200.02	22.00	4.74	44.85	1.89	90.05	8.23	292.82
Last 5	13:48:38	1501.02	22.05	4.75	44.94	1.85	90.05	8.25	290.79
Last 5	13:53:38	1801.02	21.91	4.74	44.81	1.85	90.05	8.20	288.62
Variance 0			-0.26	0.00	0.07			0.05	-4.09
Variance 1			0.05	0.01	0.09			0.02	-2.02
Variance 2			-0.14	-0.00	-0.13			-0.05	-2.18

Notes

Sample time @ 1400. Sunny 93.

Grab Samples

Product Name: Low-Flow System

Date: 2020-10-03 10:03:45

Project Information:		Pump Information:	
Operator Name	Brett Surles	Pump Model/Type	QED
Company Name	RDH	Tubing Type	PE
Project Name	CCR Background	Tubing Diameter	.17 in
Site Name	Crist plant CCR	Tubing Length	123 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	632615		
Turbidity Make/Model	HACH	Pump placement from TOC	113 ft

Well Information:		Pumping Information:	
Well ID	MW-101	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.7690011 L
Well Total Depth	118 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0.04 in
Depth to Water	95.46 ft	Total Volume Pumped	10 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	09:41:34	300.09	24.19	5.07	27.85	0.78	95.50	9.07	246.44
Last 5	09:46:34	600.03	25.24	5.10	27.91	0.54	95.50	8.92	233.15
Last 5	09:51:34	900.03	25.28	5.08	27.90	0.40	95.50	8.92	226.43
Last 5	09:56:34	1200.03	25.34	5.08	27.79	0.35	95.50	8.97	221.29
Last 5	10:01:34	1500.03	25.37	5.08	27.79	0.28	95.50	8.99	219.46
Variance 0			0.04	-0.02	-0.00			-0.00	-6.72
Variance 1			0.06	0.00	-0.11			0.05	-5.14
Variance 2			0.03	-0.01	0.00			0.01	-1.83

Notes

Sample @1003, Sunny 75

Grab Samples

Product Name: Low-Flow System

Date: 2020-10-07 12:13:35

Project Information:		Pump Information:	
Operator Name	Philip Evans	Pump Model/Type	BP
Company Name	RDH Environmental	Tubing Type	PE
Project Name	Crist plant CCR	Tubing Diameter	.17 in
Site Name	Crist Plant	Tubing Length	126 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	417744		
Turbidity Make/Model	HACH 2100Q	Pump placement from TOC	119 ft

Well Information:		Pumping Information:	
Well ID	MW-107	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.7823914 L
Well Total Depth	124 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0.24 in
Depth to Water	101.33 ft	Total Volume Pumped	14 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	11:48:32	900.02	21.90	4.90	29.73	3.10	101.35	8.60	304.49
Last 5	11:53:32	1200.02	21.95	4.89	29.77	2.94	101.35	8.59	304.65
Last 5	11:58:32	1500.02	21.91	4.89	29.63	1.60	101.35	8.51	304.46
Last 5	12:03:32	1800.02	21.94	4.89	29.71	1.22	101.35	8.53	303.93
Last 5	12:08:32	2100.02	21.90	4.91	29.51	0.89	101.35	8.43	302.13
Variance 0			-0.04	-0.01	-0.14			-0.08	-0.20
Variance 1			0.03	0.00	0.08			0.02	-0.52
Variance 2			-0.04	0.02	-0.20			-0.10	-1.80

Notes

Sample time @ 1212. Sunny 90. DUP-01@ fake time 1112.

Grab Samples

Product Name: Low-Flow System

Date: 2020-10-07 11:04:36

Project Information:		Pump Information:	
Operator Name	Philip Evans	Pump Model/Type	BP
Company Name	RDH Environmental	Tubing Type	PE
Project Name	Crist plant CCR	Tubing Diameter	.17 in
Site Name	Crist Plant	Tubing Length	105 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	417744		
Turbidity Make/Model	HACH 2100Q	Pump placement from TOC	92.9 ft

Well Information:		Pumping Information:	
Well ID	MW-108	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.6886594 L
Well Total Depth	97.9 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0.6 in
Depth to Water	69.37 ft	Total Volume Pumped	10 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	10:29:26	300.09	21.11	4.80	36.24	0.58	69.42	7.92	306.93
Last 5	10:34:26	600.02	20.87	4.80	35.77	0.83	69.42	7.97	313.91
Last 5	10:39:26	900.02	20.84	4.79	37.30	1.05	69.42	8.10	316.25
Last 5	10:44:26	1200.02	20.77	4.80	38.31	1.10	69.42	8.12	316.23
Last 5	10:49:26	1500.02	20.79	4.80	39.04	1.14	69.42	8.15	316.30
Variance 0			-0.04	-0.00	1.53			0.13	2.34
Variance 1			-0.06	0.00	1.00			0.02	-0.01
Variance 2			0.02	0.01	0.73			0.03	0.06

Notes

Sample time @ 1055. Sunny 89.

Grab Samples

Product Name: Low-Flow System

Date: 2020-10-03 11:01:11

Project Information:		Pump Information:	
Operator Name	Brett Surles	Pump Model/Type	QED
Company Name	RDH	Tubing Type	PE
Project Name	CCR Background	Tubing Diameter	.17 in
Site Name	Crist plant CCR	Tubing Length	95 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	632615		
Turbidity Make/Model	HACH	Pump placement from TOC	88 ft

Well Information:		Pumping Information:	
Well ID	MW-306	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.6440251 L
Well Total Depth	93 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0.07 in
Depth to Water	55.81 ft	Total Volume Pumped	10 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	10:40:12	300.03	23.34	5.14	35.98	1.68	55.88	8.53	220.27
Last 5	10:45:12	600.03	23.74	5.13	34.84	1.22	55.88	8.52	221.10
Last 5	10:50:12	900.02	23.96	5.13	34.57	1.16	55.88	8.50	221.90
Last 5	10:55:12	1200.03	24.04	5.13	34.42	1.36	55.88	8.50	222.13
Last 5	11:00:12	1500.02	24.10	5.13	34.38	1.29	55.88	8.51	222.11
Variance 0			0.23	-0.01	-0.26			-0.02	0.80
Variance 1			0.08	0.00	-0.16			-0.00	0.23
Variance 2			0.06	0.01	-0.04			0.00	-0.03

Notes

Sample@1100, Sunny 87

Grab Samples

Product Name: Low-Flow System

Date: 2020-10-03 12:28:35

Project Information:		Pump Information:	
Operator Name	Brett Surles	Pump Model/Type	QED
Company Name	RDH	Tubing Type	PE
Project Name	CCR Background	Tubing Diameter	.17 in
Site Name	Crist plant CCR	Tubing Length	125 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	632615		
Turbidity Make/Model	HACH	Pump placement from TOC	118 ft

Well Information:		Pumping Information:	
Well ID	MW-307	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.7779279 L
Well Total Depth	123 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0.02 in
Depth to Water	90.32 ft	Total Volume Pumped	22 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	12:07:46	2400.02	25.05	5.48	32.14	1.22	90.34	6.05	181.75
Last 5	12:12:46	2700.02	25.06	5.47	32.15	1.11	90.34	6.14	182.60
Last 5	12:17:46	3000.03	25.10	5.47	32.07	1.18	90.34	6.27	183.49
Last 5	12:22:46	3300.03	25.04	5.48	32.09	1.09	90.34	6.34	184.00
Last 5	12:27:46	3600.02	25.03	5.50	32.05	1.03	90.34	6.37	185.32
Variance 0			0.05	0.01	-0.09			0.13	0.88
Variance 1			-0.07	0.00	0.02			0.07	0.52
Variance 2			-0.00	0.02	-0.04			0.03	1.32

Notes

Sample @1228, Sunny 89

Grab Samples

Product Name: Low-Flow System

Date: 2020-10-08 09:32:44

Project Information:		Pump Information:	
Operator Name	Brett Surles	Pump Model/Type	QED
Company Name	RDH	Tubing Type	PE
Project Name	Crist CCR GYP	Tubing Diameter	.17 in
Site Name	Crist plant CCR	Tubing Length	36 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	632615		
Turbidity Make/Model	HACH	Pump placement from TOC	29 ft

Well Information:		Pumping Information:	
Well ID	MW-200	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.3806832 L
Well Total Depth	34 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0.02 in
Depth to Water	15.68 ft	Total Volume Pumped	10 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	09:10:46	300.03	23.93	5.73	668.33	0.45	15.70	3.89	137.95
Last 5	09:15:46	600.03	23.65	5.38	749.52	0.78	15.70	2.93	139.71
Last 5	09:20:46	900.03	23.54	5.33	749.68	1.23	15.70	2.66	142.20
Last 5	09:25:46	1200.03	23.55	5.31	738.05	1.56	15.70	2.56	144.58
Last 5	09:30:46	1500.03	23.55	5.30	727.67	1.22	15.70	2.46	147.27
Variance 0			-0.10	-0.04	0.16			-0.28	2.49
Variance 1			0.00	-0.02	-11.62			-0.09	2.38
Variance 2			-0.00	-0.01	-10.39			-0.10	2.69

Notes

Sample @0932 , Sunny 77

Grab Samples

Product Name: Low-Flow System

Date: 2020-10-12 08:54:57

Project Information:		Pump Information:	
Operator Name	Philip Evans	Pump Model/Type	BP
Company Name	RDH Environmental	Tubing Type	PE
Project Name	Crist plant CCR	Tubing Diameter	.17 in
Site Name	Crist Plant	Tubing Length	62 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	417744		
Turbidity Make/Model	HACH 2100Q	Pump placement from TOC	55 ft

Well Information:		Pumping Information:	
Well ID	MW-201	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.4967322 L
Well Total Depth	60 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0.24 in
Depth to Water	46.81 ft	Total Volume Pumped	14 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	08:32:04	900.03	21.33	4.55	534.46	7.40	46.83	0.57	157.79
Last 5	08:37:04	1200.03	21.33	4.55	544.87	3.68	46.83	0.52	149.35
Last 5	08:42:04	1500.03	21.37	4.55	556.58	2.21	46.83	0.49	144.94
Last 5	08:47:04	1800.03	21.41	4.56	556.36	1.34	46.83	0.48	141.81
Last 5	08:52:04	2100.03	21.46	4.56	554.86	1.25	46.83	0.45	141.14
Variance 0			0.05	-0.01	11.71			-0.03	-4.41
Variance 1			0.04	0.01	-0.22			-0.02	-3.12
Variance 2			0.05	0.00	-1.51			-0.02	-0.67

Notes

Sample time @ 0900. Sunny 88.

Grab Samples

Product Name: Low-Flow System

Date: 2020-10-08 08:43:28

Project Information:		Pump Information:	
Operator Name	Brett Surles	Pump Model/Type	QED
Company Name	RDH	Tubing Type	PE
Project Name	Crist CCR GYP	Tubing Diameter	.17 in
Site Name	Crist plant CCR	Tubing Length	40 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	632615		
Turbidity Make/Model	HACH	Pump placement from TOC	33 ft

Well Information:		Pumping Information:	
Well ID	MW-206	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.3985369 L
Well Total Depth	38 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0.02 in
Depth to Water	24.53 ft	Total Volume Pumped	12 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	08:22:10	600.03	23.43	5.32	174.58	0.21	24.55	0.17	129.39
Last 5	08:27:10	900.03	23.34	4.87	2154.87	0.19	24.55	0.16	166.91
Last 5	08:32:10	1200.03	23.34	4.84	2610.90	0.21	24.55	0.15	166.58
Last 5	08:37:10	1500.02	23.29	4.83	2675.22	0.13	24.55	0.14	165.38
Last 5	08:42:10	1800.02	23.30	4.82	2706.23	0.11	24.55	0.15	164.42
Variance 0			-0.00	-0.04	456.02			-0.02	-0.34
Variance 1			-0.05	-0.01	64.32			-0.01	-1.20
Variance 2			0.00	-0.01	31.01			0.00	-0.96

Notes

Sample@0843, Sunny 75

Grab Samples

Product Name: Low-Flow System

Date: 2020-10-08 07:44:18

Project Information:		Pump Information:	
Operator Name	Brett Surles	Pump Model/Type	QED
Company Name	RDH	Tubing Type	PE
Project Name	Crist CCR GYP	Tubing Diameter	.17 in
Site Name	Crist plant CCR	Tubing Length	65 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	632615		
Turbidity Make/Model	HACH	Pump placement from TOC	55 ft

Well Information:		Pumping Information:	
Well ID	MW-202	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.5101225 L
Well Total Depth	60 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	21 in
Depth to Water	49.81 ft	Total Volume Pumped	8 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	07:28:02	300.03	24.56	4.94	157.14	2.30	50.00	0.78	79.12
Last 5	07:33:02	600.03	24.63	4.89	140.38	1.78	50.00	1.29	85.35
Last 5	07:38:02	900.02	24.64	4.89	139.15	1.42	50.00	1.39	88.74
Last 5	07:43:02	1200.02	24.62	4.88	139.00	0.98	50.00	1.45	91.43
Last 5									
Variance 0			0.07	-0.05	-16.76			0.51	6.23
Variance 1			0.01	-0.00	-1.23			0.10	3.39
Variance 2			-0.02	-0.00	-0.14			0.06	2.69

Notes

Sample@0743, DUP-04@0643, cloudy 74

Grab Samples

Product Name: Low-Flow System

Date: 2020-10-05 12:23:37

Project Information:		Pump Information:	
Operator Name	Brett Surles	Pump Model/Type	QED
Company Name	RDH	Tubing Type	PE
Project Name	Crist CCR GYP	Tubing Diameter	.17 in
Site Name	Crist plant CCR	Tubing Length	65 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	632615		
Turbidity Make/Model	HACH	Pump placement from TOC	58 ft

Well Information:		Pumping Information:	
Well ID	MW-203	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.5101225 L
Well Total Depth	63 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0.03 in
Depth to Water	43.47 ft	Total Volume Pumped	8 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	12:07:34	300.03	24.56	5.30	304.23	16.10	43.50	0.92	247.79
Last 5	12:12:34	600.03	24.51	5.37	312.64	12.30	43.50	0.93	247.96
Last 5	12:17:34	900.02	24.56	5.37	307.95	8.32	43.50	0.89	246.35
Last 5	12:22:34	1200.02	24.61	5.38	310.55	4.81	43.50	0.95	246.64
Last 5									
Variance 0			-0.05	0.08	8.42			0.01	0.16
Variance 1			0.05	-0.00	-4.69			-0.04	-1.60
Variance 2			0.06	0.01	2.60			0.07	0.28

Notes

Sample@1223, Cloudy 81

Grab Samples

Product Name: Low-Flow System

Date: 2020-10-09 12:43:54

Project Information:		Pump Information:	
Operator Name	Philip Evans	Pump Model/Type	PP
Company Name	RDH Environmental	Tubing Type	PE
Project Name	Crist plant CCR	Tubing Diameter	.17 in
Site Name	Crist Plant	Tubing Length	40 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	417744		
Turbidity Make/Model	HACH 2100Q	Pump placement from TOC	28 ft

Well Information:		Pumping Information:	
Well ID	MW-204	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.2685369 L
Well Total Depth	33 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	14.16 in
Depth to Water	11.92 ft	Total Volume Pumped	14 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	12:18:14	900.03	20.77	4.21	994.24	1.42	13.10	0.17	152.68
Last 5	12:23:14	1200.03	20.66	4.21	1008.40	1.25	13.10	0.16	137.71
Last 5	12:28:14	1500.03	20.66	4.21	998.72	1.15	13.10	0.17	130.76
Last 5	12:33:14	1800.03	20.64	4.21	989.93	1.12	13.10	0.16	125.87
Last 5	12:38:14	2100.03	20.66	4.21	990.46	1.09	13.10	0.17	121.61
Variance 0			-0.00	0.00	-9.67			0.01	-6.95
Variance 1			-0.02	0.00	-8.79			-0.01	-4.89
Variance 2			0.02	0.00	0.53			0.01	-4.26

Notes

Sample time @ 1245. PC 85. FB-03@ 1240.

Grab Samples

Product Name: Low-Flow System

Date: 2020-10-09 13:51:02

Project Information:		Pump Information:	
Operator Name	Philip Evans	Pump Model/Type	PP
Company Name	RDH Environmental	Tubing Type	PE
Project Name	Crist plant CCR	Tubing Diameter	.17 in
Site Name	Crist Plant	Tubing Length	40 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	417744		
Turbidity Make/Model	HACH 2100Q	Pump placement from TOC	27.8 ft

Well Information:		Pumping Information:	
Well ID	MW-205	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.2685369 L
Well Total Depth	32.8 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0.24 in
Depth to Water	14.97 ft	Total Volume Pumped	14 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	13:26:22	900.03	21.10	4.86	303.33	0.27	14.99	3.49	145.94
Last 5	13:31:23	1201.03	21.10	4.83	361.47	0.26	14.99	3.39	144.48
Last 5	13:36:23	1501.03	21.13	4.83	381.44	0.28	14.99	3.36	143.29
Last 5	13:41:23	1801.04	21.11	4.83	383.52	0.26	14.99	3.36	142.59
Last 5	13:46:23	2101.03	21.06	4.82	393.84	0.24	14.99	3.39	142.51
Variance 0			0.03	-0.00	19.97			-0.03	-1.19
Variance 1			-0.02	0.00	2.07			-0.00	-0.70
Variance 2			-0.05	-0.01	10.32			0.03	-0.08

Notes

Sample time @ 1350. Cloudy 85. EB-03@ 1300.

Grab Samples

Product Name: Low-Flow System

Date: 2020-10-09 08:26:08

Project Information:		Pump Information:	
Operator Name	Brett Surles	Pump Model/Type	QED
Company Name	RDH	Tubing Type	PE
Project Name	Crist Delineation	Tubing Diameter	.17 in
Site Name	Crist Delineation	Tubing Length	40 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	632615		
Turbidity Make/Model	HACH	Pump placement from TOC	31 ft

Well Information:		Pumping Information:	
Well ID	PZ-200s	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.3985369 L
Well Total Depth	33.5 ft	Calculated Sample Rate	300 sec
Screen Length	5 ft	Stabilization Drawdown	0.09 in
Depth to Water	4.77 ft	Total Volume Pumped	10 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	08:05:02	300.02	22.08	5.56	1149.04	5.57	4.80	0.88	124.91
Last 5	08:10:02	600.02	22.00	5.18	1265.93	2.39	4.83	0.82	132.70
Last 5	08:15:02	900.02	22.00	5.12	1329.94	1.59	4.85	0.78	136.20
Last 5	08:20:02	1200.02	21.98	5.10	1340.31	1.35	4.86	0.77	138.62
Last 5	08:25:02	1500.02	22.00	5.08	1357.81	1.09	4.86	0.75	140.69
Variance 0			0.00	-0.06	64.01			-0.04	3.50
Variance 1			-0.02	-0.03	10.37			-0.01	2.42
Variance 2			0.02	-0.01	17.51			-0.02	2.07

Notes

Sample@0825, Sunny 74

Grab Samples

Product Name: Low-Flow System

Date: 2020-10-09 07:41:49

Project Information:		Pump Information:	
Operator Name	Brett Surles	Pump Model/Type	QED
Company Name	RDH	Tubing Type	PE
Project Name	Crist Delineation	Tubing Diameter	.17 in
Site Name	Crist Delineation	Tubing Length	155 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	632615		
Turbidity Make/Model	HACH	Pump placement from TOC	146 ft

Well Information:		Pumping Information:	
Well ID	PZ-200D	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.9118305 L
Well Total Depth	151 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0.02 in
Depth to Water	5.09 ft	Total Volume Pumped	12 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	07:19:38	600.02	21.59	7.02	111.92	3.71	5.11	0.14	97.85
Last 5	07:24:38	900.02	21.55	6.98	111.67	2.95	5.11	0.13	89.29
Last 5	07:29:38	1200.02	21.54	6.88	111.34	2.19	5.11	0.12	76.25
Last 5	07:34:38	1500.03	21.54	6.81	111.11	1.78	5.11	0.11	71.33
Last 5	07:39:38	1800.02	21.51	6.79	110.99	1.81	5.11	0.11	68.19
Variance 0			-0.01	-0.10	-0.33			-0.00	-13.05
Variance 1			-0.00	-0.07	-0.23			-0.01	-4.91
Variance 2			-0.02	-0.02	-0.12			-0.01	-3.14

Notes

Sample@0741, Sunny 72

Grab Samples

Product Name: Low-Flow System

Date: 2020-10-08 11:05:04

Project Information:		Pump Information:	
Operator Name	Brett Surles	Pump Model/Type	QED
Company Name	RDH	Tubing Type	PE
Project Name	Crist Delineation	Tubing Diameter	.17 in
Site Name	Crist Delineation	Tubing Length	190 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	632615		
Turbidity Make/Model	HACH	Pump placement from TOC	183 ft

Well Information:		Pumping Information:	
Well ID	PZ-201D	Final Pumping Rate	800 mL/min
Well diameter	2 in	Total System Volume	1.06805 L
Well Total Depth	188 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0.07 in
Depth to Water	44.3 ft	Total Volume Pumped	20 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	10:40:36	1800.03	25.94	6.94	148.23	2.22	44.37	0.13	13.84
Last 5	10:45:36	2100.02	26.07	6.96	148.07	2.39	44.37	0.13	3.71
Last 5	10:50:36	2400.02	26.20	6.98	148.00	2.46	44.37	0.12	-4.33
Last 5	10:55:36	2700.02	26.10	7.01	147.70	2.41	44.37	0.12	-9.86
Last 5	11:00:36	3000.03	26.14	7.03	147.48	2.52	44.37	0.11	-12.80
Variance 0			0.13	0.02	-0.08			-0.00	-8.04
Variance 1			-0.10	0.03	-0.30			-0.00	-5.53
Variance 2			0.04	0.02	-0.22			-0.00	-2.94

Notes

Sample@1104, Sunny 84

Grab Samples

Product Name: Low-Flow System

Date: 2020-10-12 12:57:28

Project Information:		Pump Information:	
Operator Name	Philip Evans	Pump Model/Type	BP
Company Name	RDH Environmental	Tubing Type	PE
Project Name	Crist Delineation CCR	Tubing Diameter	.17 in
Site Name	Crist Plant	Tubing Length	220 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	417744		
Turbidity Make/Model	HACH 2100Q	Pump placement from TOC	199.8 ft

Well Information:		Pumping Information:	
Well ID	PZ-203D	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	1.201953 L
Well Total Depth	202.3 ft	Calculated Sample Rate	300 sec
Screen Length	5 ft	Stabilization Drawdown	1.8 in
Depth to Water	6.92 ft	Total Volume Pumped	64 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	12:31:46	8408.04	25.35	6.68	73.99	8.69	7.07	0.12	-23.11
Last 5	12:36:50	8712.04	25.32	6.66	73.91	8.90	7.07	0.12	-23.00
Last 5	12:41:54	9016.04	25.28	6.68	73.80	8.84	7.07	0.12	-24.64
Last 5	12:46:54	9316.04	25.33	6.67	73.84	8.86	7.07	0.12	-25.22
Last 5	12:51:54	9616.04	25.46	6.65	73.26	8.88	7.07	0.12	-26.75
Variance 0			-0.04	0.03	-0.12			-0.01	-1.64
Variance 1			0.05	-0.01	0.05			-0.00	-0.58
Variance 2			0.13	-0.02	-0.59			-0.00	-1.53

Notes

Sample time @ 1300. Sunny 90. FB-04 @ 1255.

Grab Samples

Product Name: Low-Flow System

Date: 2020-10-13 08:27:25

Project Information:		Pump Information:	
Operator Name	Philip Evans	Pump Model/Type	PP
Company Name	RDH Environmental	Tubing Type	PE
Project Name	Crist Delineation CCR	Tubing Diameter	.17 in
Site Name	Crist Plant	Tubing Length	56 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	417744		
Turbidity Make/Model	HACH 2100Q	Pump placement from TOC	49.55 ft

Well Information:		Pumping Information:	
Well ID	GSA-2s	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.3399517 L
Well Total Depth	54.55 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0.6 in
Depth to Water	20.50 ft	Total Volume Pumped	8 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	08:10:12	300.05	21.02	4.24	773.74	1.20	20.55	1.64	229.49
Last 5	08:15:12	600.04	20.93	4.25	1115.97	1.14	20.55	0.62	226.98
Last 5	08:20:12	900.04	20.93	4.26	1111.28	1.05	20.55	0.59	225.41
Last 5	08:25:12	1200.05	20.93	4.27	1149.30	1.02	20.55	0.51	224.93
Last 5									
Variance 0			-0.09	0.01	342.23			-1.02	-2.51
Variance 1			-0.00	0.02	-4.70			-0.03	-1.57
Variance 2			0.00	0.01	38.02			-0.08	-0.48

Notes

Sample time @ 0830. Sunny 86.

Grab Samples

Product Name: Low-Flow System

Date: 2020-10-08 12:14:27

Project Information:		Pump Information:	
Operator Name	Brett Surles	Pump Model/Type	QED
Company Name	RDH	Tubing Type	PE
Project Name	Crist Delineation	Tubing Diameter	.17 in
Site Name	Crist Delineation	Tubing Length	107 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	632615		
Turbidity Make/Model	HACH	Pump placement from TOC	97 ft

Well Information:		Pumping Information:	
Well ID	MW-2032	Final Pumping Rate	400 mL/min
Well diameter	2 in	Total System Volume	0.6975863 L
Well Total Depth	102 ft	Calculated Sample Rate	300 sec
Screen Length	5 ft	Stabilization Drawdown	0.06 in
Depth to Water	15.84 ft	Total Volume Pumped	12 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.2	+/- 0.2	+/- 5%	+/- 10		+/- 0.2	+/- 10
Last 5	11:51:26	600.02	24.13	7.21	487.10	0.52	15.90	4.91	13.53
Last 5	11:56:26	900.02	24.10	7.22	496.20	0.35	15.90	4.82	17.53
Last 5	12:01:26	1200.03	23.82	7.22	496.92	0.29	15.90	4.84	21.04
Last 5	12:06:26	1500.02	23.85	7.22	498.57	0.46	15.90	4.84	23.64
Last 5	12:11:26	1800.02	24.06	7.21	499.47	0.33	15.90	4.81	26.20
Variance 0			-0.28	0.01	0.72			0.02	3.51
Variance 1			0.02	-0.00	1.65			0.00	2.60
Variance 2			0.21	-0.01	0.89			-0.03	2.56

Notes

Sample @1214, Sunny 88

Grab Samples

eurofins | Environment Testing America



ANALYTICAL REPORT

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

Laboratory Job ID: 400-194111-1
Laboratory Sample Delivery Group: Background A
Client Project/Site: CCR Plant Crist
Revision: 1

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

Attn: Barry Evans

Authorized for release by:
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Designee for

Cheyenne Whitmire, Project Manager II
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LINKS

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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.

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Job ID: 400-194111-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-194111-1

Metals

Method 6020: The method blank for preparation batch 400-506024 and analytical batch 400-506443 contained Beryllium, Dissolved above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6020: The method blank for preparation batch 400-506024 and analytical batch 400-506715 contained Arsenic above the method detection limit. This target analyte concentration was less than the practical quantitation limit (PQL); therefore, re-extraction and_or re-analysis of samples was not performed.

Method 7470A: The method blank for preparation batch 400-506274 and analytical batch 400-506328contained Mercury above the method detection limit. This target analyte concentration was less than the practical quantitation limit (PQL); therefore, re-extraction and_or re-analysis of samples was not performed.

Detection Summary

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

Job ID: 400-194111-1
SDG: Background A

Client Sample ID: MW-100 — Lab Sample ID: 400-194111-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.020		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Beryllium	0.0014	I V	0.0025	0.00017	mg/L	5		6020	Total Recoverable
Calcium	0.93		0.25	0.13	mg/L	5		6020	Total Recoverable
Cobalt	0.00060	I	0.0025	0.00056	mg/L	5		6020	Total Recoverable
Lithium	0.0054	V	0.0050	0.0019	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	30		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	6.6		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Field pH	4.74				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-101 — Lab Sample ID: 400-194111-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00056	I	0.0013	0.00039	mg/L	5		6020	Total Recoverable
Barium	0.0088		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Beryllium	0.0014	I V	0.0025	0.00017	mg/L	5		6020	Total Recoverable
Calcium	0.47		0.25	0.13	mg/L	5		6020	Total Recoverable
Chromium	0.0046		0.0025	0.0010	mg/L	5		6020	Total Recoverable
Lithium	0.0052	V	0.0050	0.0019	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	24		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	5.9		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Field pH	5.08				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-107 — Lab Sample ID: 400-194111-3

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
Beryllium	0.0015	I V	0.0025	0.00017	mg/L	5		6020	Total Recoverable
Calcium	0.43		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	0.0054	V	0.0050	0.0019	mg/L	5		6020	Total Recoverable
Mercury	0.00025	V	0.00020	0.000070	mg/L	1		7470A	Total/NA
Total Dissolved Solids	20		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	5.7		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Field pH	4.91				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-108 — Lab Sample ID: 400-194111-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.011		0.0025	0.00070	mg/L	5		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Client Sample ID: MW-108 (Continued) — Lab Sample ID: 400-194111-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.0015	I V	0.0025	0.00017	mg/L	5		6020	Total Recoverable
Calcium	1.6		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	0.0048	I V	0.0050	0.0019	mg/L	5		6020	Total Recoverable
Mercury	0.00013	I V	0.00020	0.000070	mg/L	1		7470A	Total/NA
Total Dissolved Solids	26		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	5.1		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	4.0	I	5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	4.8				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-306 — Lab Sample ID: 400-194111-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00064	I	0.0013	0.00039	mg/L	5		6020	Total Recoverable
Barium	0.013		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Beryllium	0.0014	I V	0.0025	0.00017	mg/L	5		6020	Total Recoverable
Calcium	0.63		0.25	0.13	mg/L	5		6020	Total Recoverable
Chromium	0.0033		0.0025	0.0010	mg/L	5		6020	Total Recoverable
Lithium	0.0050	V	0.0050	0.0019	mg/L	5		6020	Total Recoverable
Mercury	0.000080	I V	0.00020	0.000070	mg/L	1		7470A	Total/NA
Total Dissolved Solids	16		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	6.1		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Field pH	5.13				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-307 — Lab Sample ID: 400-194111-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.016		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Beryllium	0.0014	I V	0.0025	0.00017	mg/L	5		6020	Total Recoverable
Calcium	0.67		0.25	0.13	mg/L	5		6020	Total Recoverable
Chromium	0.0017	I	0.0025	0.0010	mg/L	5		6020	Total Recoverable
Lithium	0.0049	I V	0.0050	0.0019	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	12		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	4.7		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Field pH	5.50				SU	1		Field Sampling	Total/NA

Client Sample ID: DUP-01 — Lab Sample ID: 400-194111-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.013		0.0025	0.00070	mg/L	5		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

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

Job ID: 400-194111-1
SDG: Background A

Client Sample ID: DUP-01 (Continued)

Lab Sample ID: 400-194111-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.0015	I V	0.0025	0.00017	mg/L	5		6020	Total Recoverable
Calcium	0.42		0.25	0.13	mg/L	5		6020	Total Recoverable
Lithium	0.0049	I V	0.0050	0.0019	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	10		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	5.7		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Field pH	4.91				SU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

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

Job ID: 400-194111-1
SDG: Background 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 TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

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

Job ID: 400-194111-1
SDG: Background A

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-194111-1	MW-100	Water	10/07/20 14:00	10/07/20 14:45	
400-194111-2	MW-101	Water	10/07/20 10:03	10/07/20 14:45	
400-194111-3	MW-107	Water	10/07/20 12:12	10/07/20 14:45	
400-194111-4	MW-108	Water	10/07/20 10:55	10/07/20 14:45	
400-194111-5	MW-306	Water	10/07/20 11:00	10/07/20 14:45	
400-194111-6	MW-307	Water	10/07/20 12:28	10/07/20 14:45	
400-194111-7	DUP-01	Water	10/07/20 11:12	10/07/20 14:45	

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

Job ID: 400-194111-1
SDG: Background A

Client Sample ID: MW-100
Date Collected: 10/07/20 14:00
Date Received: 10/07/20 14:45

Lab Sample ID: 400-194111-1
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		10/08/20 12:08	10/09/20 18:43	5
Arsenic	0.00039	U	0.0013	0.00039	mg/L		10/08/20 12:08	10/09/20 18:43	5
Barium	**0.020**		0.0025	0.00070	mg/L		10/08/20 12:08	10/09/20 18:43	5
Beryllium	**0.0014**	**I V**	0.0025	0.00017	mg/L		10/08/20 12:08	10/09/20 18:43	5
Boron	0.018	U	0.050	0.018	mg/L		10/08/20 12:08	10/13/20 20:36	5
Cadmium	0.00028	U	0.0025	0.00028	mg/L		10/08/20 12:08	10/09/20 18:43	5
Calcium	**0.93**		0.25	0.13	mg/L		10/08/20 12:08	10/09/20 18:43	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		10/08/20 12:08	10/09/20 18:43	5
Cobalt	**0.00060**	**I**	0.0025	0.00056	mg/L		10/08/20 12:08	10/09/20 18:43	5
Lead	0.00029	U	0.0013	0.00029	mg/L		10/08/20 12:08	10/09/20 18:43	5
Lithium	**0.0054**	**V**	0.0050	0.0019	mg/L		10/08/20 12:08	10/09/20 18:43	5
Molybdenum	0.0045	U	0.015	0.0045	mg/L		10/08/20 12:08	10/09/20 18:43	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		10/08/20 12:08	10/09/20 18:43	5
Thallium	0.00012	U	0.00050	0.00012	mg/L		10/08/20 12:08	10/09/20 18:43	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000070	U	0.00020	0.000070	mg/L		10/09/20 16:17	10/09/20 20:55	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**30**		5.0	5.0	mg/L			10/13/20 19:33	1
Chloride	**6.6**		2.0	1.4	mg/L			10/15/20 11:01	1
Fluoride	0.032	U	0.10	0.032	mg/L			10/19/20 12:21	1
Sulfate	1.4	U	5.0	1.4	mg/L			10/15/20 14:06	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.74**				SU			10/07/20 14:00	1

Client Sample Results

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

Job ID: 400-194111-1
SDG: Background A

Client Sample ID: MW-101
Date Collected: 10/07/20 10:03
Date Received: 10/07/20 14:45

Lab Sample ID: 400-194111-2
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		10/08/20 12:08	10/09/20 19:02	5
Arsenic	**0.00056**	**I**	0.0013	0.00039	mg/L		10/08/20 12:08	10/09/20 19:02	5
Barium	**0.0088**		0.0025	0.00070	mg/L		10/08/20 12:08	10/09/20 19:02	5
Beryllium	**0.0014**	**I V**	0.0025	0.00017	mg/L		10/08/20 12:08	10/09/20 19:02	5
Boron	0.018	U	0.050	0.018	mg/L		10/08/20 12:08	10/13/20 20:48	5
Cadmium	0.00028	U	0.0025	0.00028	mg/L		10/08/20 12:08	10/09/20 19:02	5
Calcium	**0.47**		0.25	0.13	mg/L		10/08/20 12:08	10/09/20 19:02	5
Chromium	**0.0046**		0.0025	0.0010	mg/L		10/08/20 12:08	10/09/20 19:02	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		10/08/20 12:08	10/09/20 19:02	5
Lead	0.00029	U	0.0013	0.00029	mg/L		10/08/20 12:08	10/09/20 19:02	5
Lithium	**0.0052**	**V**	0.0050	0.0019	mg/L		10/08/20 12:08	10/09/20 19:02	5
Molybdenum	0.0045	U	0.015	0.0045	mg/L		10/08/20 12:08	10/09/20 19:02	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		10/08/20 12:08	10/09/20 19:02	5
Thallium	0.00012	U	0.00050	0.00012	mg/L		10/08/20 12:08	10/09/20 19:02	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000070	U	0.00020	0.000070	mg/L		10/09/20 16:17	10/09/20 20:57	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**24**		5.0	5.0	mg/L			10/13/20 19:33	1
Chloride	**5.9**		2.0	1.4	mg/L			10/15/20 11:01	1
Fluoride	0.032	U	0.10	0.032	mg/L			10/19/20 12:23	1
Sulfate	1.4	U	5.0	1.4	mg/L			10/15/20 14:06	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.08**				SU			10/07/20 10:03	1

Client Sample Results

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

Job ID: 400-194111-1
SDG: Background A

Client Sample ID: MW-107
Date Collected: 10/07/20 12:12
Date Received: 10/07/20 14:45

Lab Sample ID: 400-194111-3
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		10/08/20 12:08	10/09/20 19:06	5
Arsenic	0.00039	U	0.0013	0.00039	mg/L		10/08/20 12:08	10/09/20 19:06	5
Barium	**0.012**		0.0025	0.00070	mg/L		10/08/20 12:08	10/09/20 19:06	5
Beryllium	**0.0015**	**I V**	0.0025	0.00017	mg/L		10/08/20 12:08	10/09/20 19:06	5
Boron	0.018	U	0.050	0.018	mg/L		10/08/20 12:08	10/13/20 20:52	5
Cadmium	0.00028	U	0.0025	0.00028	mg/L		10/08/20 12:08	10/09/20 19:06	5
Calcium	**0.43**		0.25	0.13	mg/L		10/08/20 12:08	10/09/20 19:06	5
Chromium	**0.0010**	**I**	0.0025	0.0010	mg/L		10/08/20 12:08	10/09/20 19:06	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		10/08/20 12:08	10/09/20 19:06	5
Lead	0.00029	U	0.0013	0.00029	mg/L		10/08/20 12:08	10/09/20 19:06	5
Lithium	**0.0054**	**V**	0.0050	0.0019	mg/L		10/08/20 12:08	10/09/20 19:06	5
Molybdenum	0.0045	U	0.015	0.0045	mg/L		10/08/20 12:08	10/09/20 19:06	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		10/08/20 12:08	10/09/20 19:06	5
Thallium	0.00012	U	0.00050	0.00012	mg/L		10/08/20 12:08	10/09/20 19:06	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00025**	**V**	0.00020	0.000070	mg/L		10/09/20 16:17	10/09/20 20:59	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**20**		5.0	5.0	mg/L			10/13/20 19:33	1
Chloride	**5.7**		2.0	1.4	mg/L			10/15/20 11:01	1
Fluoride	0.032	U	0.10	0.032	mg/L			10/19/20 12:27	1
Sulfate	1.4	U	5.0	1.4	mg/L			10/15/20 14:06	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.91**				SU			10/07/20 12:12	1

Client Sample Results

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

Job ID: 400-194111-1
SDG: Background A

Client Sample ID: MW-108
Date Collected: 10/07/20 10:55
Date Received: 10/07/20 14:45

Lab Sample ID: 400-194111-4
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		10/08/20 12:08	10/09/20 19:10	5
Arsenic	0.00039	U	0.0013	0.00039	mg/L		10/08/20 12:08	10/09/20 19:10	5
Barium	**0.011**		0.0025	0.00070	mg/L		10/08/20 12:08	10/09/20 19:10	5
Beryllium	**0.0015**	**I V**	0.0025	0.00017	mg/L		10/08/20 12:08	10/09/20 19:10	5
Boron	0.018	U	0.050	0.018	mg/L		10/08/20 12:08	10/13/20 20:55	5
Cadmium	0.00028	U	0.0025	0.00028	mg/L		10/08/20 12:08	10/09/20 19:10	5
Calcium	**1.6**		0.25	0.13	mg/L		10/08/20 12:08	10/09/20 19:10	5
Chromium	**0.0015**	**I**	0.0025	0.0010	mg/L		10/08/20 12:08	10/09/20 19:10	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		10/08/20 12:08	10/09/20 19:10	5
Lead	0.00029	U	0.0013	0.00029	mg/L		10/08/20 12:08	10/09/20 19:10	5
Lithium	**0.0048**	**I V**	0.0050	0.0019	mg/L		10/08/20 12:08	10/09/20 19:10	5
Molybdenum	0.0045	U	0.015	0.0045	mg/L		10/08/20 12:08	10/09/20 19:10	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		10/08/20 12:08	10/09/20 19:10	5
Thallium	0.00012	U	0.00050	0.00012	mg/L		10/08/20 12:08	10/09/20 19:10	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00013**	**I V**	0.00020	0.000070	mg/L		10/09/20 16:17	10/09/20 21:00	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**26**		5.0	5.0	mg/L			10/13/20 19:33	1
Chloride	**5.1**		2.0	1.4	mg/L			10/15/20 11:04	1
Fluoride	0.032	U	0.10	0.032	mg/L			10/19/20 12:31	1
Sulfate	**4.0**	**I**	5.0	1.4	mg/L			10/15/20 14:12	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.8**				SU			10/07/20 10:55	1

Client Sample Results

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

Job ID: 400-194111-1
SDG: Background A

Client Sample ID: MW-306

Date Collected: 10/07/20 11:00
Date Received: 10/07/20 14:45

Lab Sample ID: 400-194111-5

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		10/08/20 12:08	10/09/20 19:22	5
Arsenic	**0.00064**	**I**	0.0013	0.00039	mg/L		10/08/20 12:08	10/09/20 19:22	5
Barium	**0.013**		0.0025	0.00070	mg/L		10/08/20 12:08	10/09/20 19:22	5
Beryllium	**0.0014**	**I V**	0.0025	0.00017	mg/L		10/08/20 12:08	10/09/20 19:22	5
Boron	0.018	U	0.050	0.018	mg/L		10/08/20 12:08	10/13/20 20:59	5
Cadmium	0.00028	U	0.0025	0.00028	mg/L		10/08/20 12:08	10/09/20 19:22	5
Calcium	**0.63**		0.25	0.13	mg/L		10/08/20 12:08	10/09/20 19:22	5
Chromium	**0.0033**		0.0025	0.0010	mg/L		10/08/20 12:08	10/09/20 19:22	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		10/08/20 12:08	10/09/20 19:22	5
Lead	0.00029	U	0.0013	0.00029	mg/L		10/08/20 12:08	10/09/20 19:22	5
Lithium	**0.0050**	**V**	0.0050	0.0019	mg/L		10/08/20 12:08	10/09/20 19:22	5
Molybdenum	0.0045	U	0.015	0.0045	mg/L		10/08/20 12:08	10/09/20 19:22	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		10/08/20 12:08	10/09/20 19:22	5
Thallium	0.00012	U	0.00050	0.00012	mg/L		10/08/20 12:08	10/09/20 19:22	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000080**	**I V**	0.00020	0.000070	mg/L		10/09/20 16:17	10/09/20 21:02	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**16**		5.0	5.0	mg/L			10/14/20 20:32	1
Chloride	**6.1**		2.0	1.4	mg/L			10/15/20 11:04	1
Fluoride	0.032	U	0.10	0.032	mg/L			10/19/20 12:33	1
Sulfate	1.4	U	5.0	1.4	mg/L			10/15/20 14:12	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.13**				SU			10/07/20 11:00	1

Client Sample Results

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

Job ID: 400-194111-1
SDG: Background A

Client Sample ID: MW-307
Date Collected: 10/07/20 12:28
Date Received: 10/07/20 14:45

Lab Sample ID: 400-194111-6
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		10/08/20 12:08	10/09/20 19:26	5
Arsenic	0.00039	U	0.0013	0.00039	mg/L		10/08/20 12:08	10/09/20 19:26	5
Barium	**0.016**		0.0025	0.00070	mg/L		10/08/20 12:08	10/09/20 19:26	5
Beryllium	**0.0014**	**I V**	0.0025	0.00017	mg/L		10/08/20 12:08	10/09/20 19:26	5
Boron	0.018	U	0.050	0.018	mg/L		10/08/20 12:08	10/13/20 21:03	5
Cadmium	0.00028	U	0.0025	0.00028	mg/L		10/08/20 12:08	10/09/20 19:26	5
Calcium	**0.67**		0.25	0.13	mg/L		10/08/20 12:08	10/09/20 19:26	5
Chromium	**0.0017**	**I**	0.0025	0.0010	mg/L		10/08/20 12:08	10/09/20 19:26	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		10/08/20 12:08	10/09/20 19:26	5
Lead	0.00029	U	0.0013	0.00029	mg/L		10/08/20 12:08	10/09/20 19:26	5
Lithium	**0.0049**	**I V**	0.0050	0.0019	mg/L		10/08/20 12:08	10/09/20 19:26	5
Molybdenum	0.0045	U	0.015	0.0045	mg/L		10/08/20 12:08	10/09/20 19:26	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		10/08/20 12:08	10/09/20 19:26	5
Thallium	0.00012	U	0.00050	0.00012	mg/L		10/08/20 12:08	10/09/20 19:26	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000070	U	0.00020	0.000070	mg/L		10/09/20 16:17	10/09/20 21:04	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**12**		5.0	5.0	mg/L			10/14/20 20:32	1
Chloride	**4.7**		2.0	1.4	mg/L			10/15/20 11:04	1
Fluoride	0.032	U	0.10	0.032	mg/L			10/19/20 12:37	1
Sulfate	1.4	U	5.0	1.4	mg/L			10/15/20 14:12	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.50**				SU			10/07/20 12:28	1

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

Job ID: 400-194111-1
SDG: Background A

Client Sample ID: DUP-01
Date Collected: 10/07/20 11:12
Date Received: 10/07/20 14:45

Lab Sample ID: 400-194111-7
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		10/08/20 12:08	10/09/20 19:30	5
Arsenic	0.00039	U	0.0013	0.00039	mg/L		10/08/20 12:08	10/09/20 19:30	5
Barium	**0.013**		0.0025	0.00070	mg/L		10/08/20 12:08	10/09/20 19:30	5
Beryllium	**0.0015**	**I V**	0.0025	0.00017	mg/L		10/08/20 12:08	10/09/20 19:30	5
Boron	0.018	U	0.050	0.018	mg/L		10/08/20 12:08	10/13/20 21:15	5
Cadmium	0.00028	U	0.0025	0.00028	mg/L		10/08/20 12:08	10/09/20 19:30	5
Calcium	**0.42**		0.25	0.13	mg/L		10/08/20 12:08	10/09/20 19:30	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		10/08/20 12:08	10/09/20 19:30	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		10/08/20 12:08	10/09/20 19:30	5
Lead	0.00029	U	0.0013	0.00029	mg/L		10/08/20 12:08	10/09/20 19:30	5
Lithium	**0.0049**	**I V**	0.0050	0.0019	mg/L		10/08/20 12:08	10/09/20 19:30	5
Molybdenum	0.0045	U	0.015	0.0045	mg/L		10/08/20 12:08	10/09/20 19:30	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		10/08/20 12:08	10/09/20 19:30	5
Thallium	0.00012	U	0.00050	0.00012	mg/L		10/08/20 12:08	10/09/20 19:30	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000070	U	0.00020	0.000070	mg/L		10/08/20 10:06	10/08/20 17:30	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**10**		5.0	5.0	mg/L			10/14/20 20:32	1
Chloride	**5.7**		2.0	1.4	mg/L			10/15/20 11:04	1
Fluoride	0.032	U	0.10	0.032	mg/L			10/19/20 12:40	1
Sulfate	1.4	U	5.0	1.4	mg/L			10/15/20 14:12	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.91**				SU			10/07/20 11:12	1

Qualifiers

Metals

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

General Chemistry

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

Glossary

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

Lab Chronicle

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

Job ID: 400-194111-1
SDG: Background A

Client Sample ID: MW-100
Date Collected: 10/07/20 14:00
Date Received: 10/07/20 14:45

Lab Sample ID: 400-194111-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			506024	10/08/20 12:08	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	506443	10/09/20 18:43	LDC	TAL PEN
Total Recoverable	Prep	3005A			506024	10/08/20 12:08	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	506715	10/13/20 20:36	LDC	TAL PEN
Total/NA	Prep	7470A			506274	10/09/20 16:17	NET	TAL PEN
Total/NA	Analysis	7470A		1	506328	10/09/20 20:55	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	506692	10/13/20 19:33	DEK	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	506930	10/15/20 11:01	NT	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	507344	10/19/20 12:21	RRC	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		1	506976	10/15/20 14:06	NT	TAL PEN
Total/NA	Analysis	Field Sampling		1	507988	10/07/20 14:00	IDE	TAL PEN

Client Sample ID: MW-101
Date Collected: 10/07/20 10:03
Date Received: 10/07/20 14:45

Lab Sample ID: 400-194111-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			506024	10/08/20 12:08	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	506443	10/09/20 19:02	LDC	TAL PEN
Total Recoverable	Prep	3005A			506024	10/08/20 12:08	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	506715	10/13/20 20:48	LDC	TAL PEN
Total/NA	Prep	7470A			506274	10/09/20 16:17	NET	TAL PEN
Total/NA	Analysis	7470A		1	506328	10/09/20 20:57	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	506692	10/13/20 19:33	DEK	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	506930	10/15/20 11:01	NT	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	507344	10/19/20 12:23	RRC	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		1	506976	10/15/20 14:06	NT	TAL PEN
Total/NA	Analysis	Field Sampling		1	507988	10/07/20 10:03	IDE	TAL PEN

Client Sample ID: MW-107
Date Collected: 10/07/20 12:12
Date Received: 10/07/20 14:45

Lab Sample ID: 400-194111-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			506024	10/08/20 12:08	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	506443	10/09/20 19:06	LDC	TAL PEN
Total Recoverable	Prep	3005A			506024	10/08/20 12:08	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	506715	10/13/20 20:52	LDC	TAL PEN
Total/NA	Prep	7470A			506274	10/09/20 16:17	NET	TAL PEN
Total/NA	Analysis	7470A		1	506328	10/09/20 20:59	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	506692	10/13/20 19:33	DEK	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	506930	10/15/20 11:01	NT	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	507344	10/19/20 12:27	RRC	TAL PEN

Client Sample ID: MW-107
Date Collected: 10/07/20 12:12
Date Received: 10/07/20 14:45

Lab Sample ID: 400-194111-3
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	506976	10/15/20 14:06	NT	TAL PEN
Total/NA	Analysis	Field Sampling		1	507988	10/07/20 12:12	IDE	TAL PEN

Client Sample ID: MW-108
Date Collected: 10/07/20 10:55
Date Received: 10/07/20 14:45

Lab Sample ID: 400-194111-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			506024	10/08/20 12:08	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	506443	10/09/20 19:10	LDC	TAL PEN
Total Recoverable	Prep	3005A			506024	10/08/20 12:08	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	506715	10/13/20 20:55	LDC	TAL PEN
Total/NA	Prep	7470A			506274	10/09/20 16:17	NET	TAL PEN
Total/NA	Analysis	7470A		1	506328	10/09/20 21:00	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	506692	10/13/20 19:33	DEK	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	506930	10/15/20 11:04	NT	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	507344	10/19/20 12:31	RRC	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		1	506976	10/15/20 14:12	NT	TAL PEN
Total/NA	Analysis	Field Sampling		1	507988	10/07/20 10:55	IDE	TAL PEN

Client Sample ID: MW-306
Date Collected: 10/07/20 11:00
Date Received: 10/07/20 14:45

Lab Sample ID: 400-194111-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			506024	10/08/20 12:08	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	506443	10/09/20 19:22	LDC	TAL PEN
Total Recoverable	Prep	3005A			506024	10/08/20 12:08	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	506715	10/13/20 20:59	LDC	TAL PEN
Total/NA	Prep	7470A			506274	10/09/20 16:17	NET	TAL PEN
Total/NA	Analysis	7470A		1	506328	10/09/20 21:02	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	506847	10/14/20 20:32	DEK	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	506930	10/15/20 11:04	NT	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	507344	10/19/20 12:33	RRC	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		1	506976	10/15/20 14:12	NT	TAL PEN
Total/NA	Analysis	Field Sampling		1	507988	10/07/20 11:00	IDE	TAL PEN

Client Sample ID: MW-307
Date Collected: 10/07/20 12:28
Date Received: 10/07/20 14:45

Lab Sample ID: 400-194111-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			506024	10/08/20 12:08	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	506443	10/09/20 19:26	LDC	TAL PEN

Lab Chronicle

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

Job ID: 400-194111-1
SDG: Background A

Client Sample ID: MW-307
Date Collected: 10/07/20 12:28
Date Received: 10/07/20 14:45

Lab Sample ID: 400-194111-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			506024	10/08/20 12:08	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	506715	10/13/20 21:03	LDC	TAL PEN
Total/NA	Prep	7470A			506274	10/09/20 16:17	NET	TAL PEN
Total/NA	Analysis	7470A		1	506328	10/09/20 21:04	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	506847	10/14/20 20:32	DEK	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	506930	10/15/20 11:04	NT	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	507344	10/19/20 12:37	RRC	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		1	506976	10/15/20 14:12	NT	TAL PEN
Total/NA	Analysis	Field Sampling		1	507988	10/07/20 12:28	IDE	TAL PEN

Client Sample ID: DUP-01
Date Collected: 10/07/20 11:12
Date Received: 10/07/20 14:45

Lab Sample ID: 400-194111-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			506024	10/08/20 12:08	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	506443	10/09/20 19:30	LDC	TAL PEN
Total Recoverable	Prep	3005A			506024	10/08/20 12:08	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	506715	10/13/20 21:15	LDC	TAL PEN
Total/NA	Prep	7470A			506016	10/08/20 10:06	NET	TAL PEN
Total/NA	Analysis	7470A		1	506160	10/08/20 17:30	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	506847	10/14/20 20:32	DEK	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	506930	10/15/20 11:04	NT	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	507344	10/19/20 12:40	RRC	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		1	506976	10/15/20 14:12	NT	TAL PEN
Total/NA	Analysis	Field Sampling		1	507988	10/07/20 11:12	IDE	TAL PEN

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

Metals

Prep Batch: 506016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194111-7	DUP-01	Total/NA	Water	7470A	
MB 400-506016/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-506016/15-A	Lab Control Sample	Total/NA	Water	7470A	
400-194116-A-1-B MS	Matrix Spike	Total/NA	Water	7470A	
400-194116-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Prep Batch: 506024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194111-1	MW-100	Total Recoverable	Water	3005A	
400-194111-2	MW-101	Total Recoverable	Water	3005A	
400-194111-3	MW-107	Total Recoverable	Water	3005A	
400-194111-4	MW-108	Total Recoverable	Water	3005A	
400-194111-5	MW-306	Total Recoverable	Water	3005A	
400-194111-6	MW-307	Total Recoverable	Water	3005A	
400-194111-7	DUP-01	Total Recoverable	Water	3005A	
MB 400-506024/1-A ^5	Method Blank	Total Recoverable	Water	3005A	
LCS 400-506024/2-A ^5	Lab Control Sample	Total Recoverable	Water	3005A	
400-194111-1 MS	MW-100	Total Recoverable	Water	3005A	
400-194111-1 MSD	MW-100	Total Recoverable	Water	3005A	

Analysis Batch: 506160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194111-7	DUP-01	Total/NA	Water	7470A	506016
MB 400-506016/14-A	Method Blank	Total/NA	Water	7470A	506016
LCS 400-506016/15-A	Lab Control Sample	Total/NA	Water	7470A	506016
400-194116-A-1-B MS	Matrix Spike	Total/NA	Water	7470A	506016
400-194116-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	506016

Prep Batch: 506274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194111-1	MW-100	Total/NA	Water	7470A	
400-194111-2	MW-101	Total/NA	Water	7470A	
400-194111-3	MW-107	Total/NA	Water	7470A	
400-194111-4	MW-108	Total/NA	Water	7470A	
400-194111-5	MW-306	Total/NA	Water	7470A	
400-194111-6	MW-307	Total/NA	Water	7470A	
MB 400-506274/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-506274/15-A	Lab Control Sample	Total/NA	Water	7470A	
400-194219-H-1-B MS	Matrix Spike	Total/NA	Water	7470A	
400-194219-H-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 506328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194111-1	MW-100	Total/NA	Water	7470A	506274
400-194111-2	MW-101	Total/NA	Water	7470A	506274
400-194111-3	MW-107	Total/NA	Water	7470A	506274
400-194111-4	MW-108	Total/NA	Water	7470A	506274
400-194111-5	MW-306	Total/NA	Water	7470A	506274
400-194111-6	MW-307	Total/NA	Water	7470A	506274
MB 400-506274/14-A	Method Blank	Total/NA	Water	7470A	506274
LCS 400-506274/15-A	Lab Control Sample	Total/NA	Water	7470A	506274

Metals (Continued)

Analysis Batch: 506328 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194219-H-1-B MS	Matrix Spike	Total/NA	Water	7470A	506274
400-194219-H-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	506274

Analysis Batch: 506443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194111-1	MW-100	Total Recoverable	Water	6020	506024
400-194111-2	MW-101	Total Recoverable	Water	6020	506024
400-194111-3	MW-107	Total Recoverable	Water	6020	506024
400-194111-4	MW-108	Total Recoverable	Water	6020	506024
400-194111-5	MW-306	Total Recoverable	Water	6020	506024
400-194111-6	MW-307	Total Recoverable	Water	6020	506024
400-194111-7	DUP-01	Total Recoverable	Water	6020	506024
MB 400-506024/1-A ^5	Method Blank	Total Recoverable	Water	6020	506024
LCS 400-506024/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	506024
400-194111-1 MS	MW-100	Total Recoverable	Water	6020	506024
400-194111-1 MSD	MW-100	Total Recoverable	Water	6020	506024

Analysis Batch: 506715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194111-1	MW-100	Total Recoverable	Water	6020	506024
400-194111-2	MW-101	Total Recoverable	Water	6020	506024
400-194111-3	MW-107	Total Recoverable	Water	6020	506024
400-194111-4	MW-108	Total Recoverable	Water	6020	506024
400-194111-5	MW-306	Total Recoverable	Water	6020	506024
400-194111-6	MW-307	Total Recoverable	Water	6020	506024
400-194111-7	DUP-01	Total Recoverable	Water	6020	506024
MB 400-506024/1-A ^5	Method Blank	Total Recoverable	Water	6020	506024
LCS 400-506024/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	506024
400-194111-1 MS	MW-100	Total Recoverable	Water	6020	506024
400-194111-1 MSD	MW-100	Total Recoverable	Water	6020	506024

General Chemistry

Analysis Batch: 506692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194111-1	MW-100	Total/NA	Water	SM 2540C	
400-194111-2	MW-101	Total/NA	Water	SM 2540C	
400-194111-3	MW-107	Total/NA	Water	SM 2540C	
400-194111-4	MW-108	Total/NA	Water	SM 2540C	
MB 400-506692/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-506692/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-194056-D-4 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 506847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194111-5	MW-306	Total/NA	Water	SM 2540C	
400-194111-6	MW-307	Total/NA	Water	SM 2540C	
400-194111-7	DUP-01	Total/NA	Water	SM 2540C	
MB 400-506847/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-506847/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-194159-I-2 DU	Duplicate	Total/NA	Water	SM 2540C	

General Chemistry

Analysis Batch: 506930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194111-1	MW-100	Total/NA	Water	SM 4500 Cl- E	
400-194111-2	MW-101	Total/NA	Water	SM 4500 Cl- E	
400-194111-3	MW-107	Total/NA	Water	SM 4500 Cl- E	
400-194111-4	MW-108	Total/NA	Water	SM 4500 Cl- E	
400-194111-5	MW-306	Total/NA	Water	SM 4500 Cl- E	
400-194111-6	MW-307	Total/NA	Water	SM 4500 Cl- E	
400-194111-7	DUP-01	Total/NA	Water	SM 4500 Cl- E	
MB 400-506930/6	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-506930/7	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-506930/3	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-194111-1 MS	MW-100	Total/NA	Water	SM 4500 Cl- E	
400-194111-1 MSD	MW-100	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 506976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194111-1	MW-100	Total/NA	Water	SM 4500 SO4 E	
400-194111-2	MW-101	Total/NA	Water	SM 4500 SO4 E	
400-194111-3	MW-107	Total/NA	Water	SM 4500 SO4 E	
400-194111-4	MW-108	Total/NA	Water	SM 4500 SO4 E	
400-194111-5	MW-306	Total/NA	Water	SM 4500 SO4 E	
400-194111-6	MW-307	Total/NA	Water	SM 4500 SO4 E	
400-194111-7	DUP-01	Total/NA	Water	SM 4500 SO4 E	
MB 400-506976/6	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-506976/7	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-506976/3	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-194111-1 MS	MW-100	Total/NA	Water	SM 4500 SO4 E	
400-194111-1 MSD	MW-100	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 507344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194111-1	MW-100	Total/NA	Water	SM 4500 F C	
400-194111-2	MW-101	Total/NA	Water	SM 4500 F C	
400-194111-3	MW-107	Total/NA	Water	SM 4500 F C	
400-194111-4	MW-108	Total/NA	Water	SM 4500 F C	
400-194111-5	MW-306	Total/NA	Water	SM 4500 F C	
400-194111-6	MW-307	Total/NA	Water	SM 4500 F C	
400-194111-7	DUP-01	Total/NA	Water	SM 4500 F C	
MB 400-507344/5	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-507344/8	Lab Control Sample	Total/NA	Water	SM 4500 F C	
400-194059-I-4 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
400-194059-I-4 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	
400-194139-Q-1 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
400-194139-Q-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	

Field Service / Mobile Lab

Analysis Batch: 507988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194111-1	MW-100	Total/NA	Water	Field Sampling	
400-194111-2	MW-101	Total/NA	Water	Field Sampling	
400-194111-3	MW-107	Total/NA	Water	Field Sampling	

Field Service / Mobile Lab (Continued)

Analysis Batch: 507988 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194111-4	MW-108	Total/NA	Water	Field Sampling	
400-194111-5	MW-306	Total/NA	Water	Field Sampling	
400-194111-6	MW-307	Total/NA	Water	Field Sampling	
400-194111-7	DUP-01	Total/NA	Water	Field Sampling	

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 400-506024/1-A ^5
Matrix: Water
Analysis Batch: 506443

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 506024

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		10/08/20 12:08	10/09/20 18:35	5
Barium	0.00070	U	0.0025	0.00070	mg/L		10/08/20 12:08	10/09/20 18:35	5
Beryllium	0.00134	I	0.0025	0.00017	mg/L		10/08/20 12:08	10/09/20 18:35	5
Cadmium	0.00028	U	0.0025	0.00028	mg/L		10/08/20 12:08	10/09/20 18:35	5
Calcium	0.13	U	0.25	0.13	mg/L		10/08/20 12:08	10/09/20 18:35	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		10/08/20 12:08	10/09/20 18:35	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		10/08/20 12:08	10/09/20 18:35	5
Lead	0.00029	U	0.0013	0.00029	mg/L		10/08/20 12:08	10/09/20 18:35	5
Lithium	0.00462	I	0.0050	0.0019	mg/L		10/08/20 12:08	10/09/20 18:35	5
Molybdenum	0.0045	U	0.015	0.0045	mg/L		10/08/20 12:08	10/09/20 18:35	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		10/08/20 12:08	10/09/20 18:35	5
Thallium	0.00012	U	0.00050	0.00012	mg/L		10/08/20 12:08	10/09/20 18:35	5

Lab Sample ID: MB 400-506024/1-A ^5
Matrix: Water
Analysis Batch: 506715

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 506024

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00102	I	0.0013	0.00039	mg/L		10/08/20 12:08	10/13/20 20:28	5
Boron	0.018	U	0.050	0.018	mg/L		10/08/20 12:08	10/13/20 20:28	5

Lab Sample ID: LCS 400-506024/2-A ^5
Matrix: Water
Analysis Batch: 506443

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 506024

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.0500	0.0511		mg/L		102	80 - 120
Arsenic	0.0500	0.0499		mg/L		100	80 - 120
Barium	0.0500	0.0499		mg/L		100	80 - 120
Beryllium	0.0500	0.0530		mg/L		106	80 - 120
Cadmium	0.0500	0.0542		mg/L		108	80 - 120
Calcium	5.00	5.07		mg/L		101	80 - 120
Chromium	0.0500	0.0529		mg/L		106	80 - 120
Cobalt	0.0500	0.0519		mg/L		104	80 - 120
Lead	0.0500	0.0535		mg/L		107	80 - 120
Lithium	0.0500	0.0579		mg/L		116	80 - 120
Molybdenum	0.0500	0.0537		mg/L		107	80 - 120
Selenium	0.0500	0.0512		mg/L		102	80 - 120
Thallium	0.0100	0.0108		mg/L		108	80 - 120

Lab Sample ID: LCS 400-506024/2-A ^5
Matrix: Water
Analysis Batch: 506715

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 506024

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	0.100	0.102		mg/L		102	80 - 120

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

Lab Sample ID: 400-194111-1 MS
Matrix: Water
Analysis Batch: 506443

Client Sample ID: MW-100
Prep Type: Total Recoverable
Prep Batch: 506024

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.0015	U	0.0500	0.0572		mg/L		114	75 - 125
Arsenic	0.00039	U	0.0500	0.0539		mg/L		108	75 - 125
Barium	0.020		0.0500	0.0673		mg/L		96	75 - 125
Beryllium	0.0014	I V	0.0500	0.0572		mg/L		112	75 - 125
Cadmium	0.00028	U	0.0500	0.0546		mg/L		109	75 - 125
Calcium	0.93		5.00	6.27		mg/L		107	75 - 125
Chromium	0.0010	U	0.0500	0.0564		mg/L		113	75 - 125
Cobalt	0.00060	I	0.0500	0.0553		mg/L		109	75 - 125
Lead	0.00029	U	0.0500	0.0549		mg/L		110	75 - 125
Lithium	0.0054	V	0.0500	0.0629		mg/L		115	75 - 125
Molybdenum	0.0045	U	0.0500	0.0553		mg/L		111	75 - 125
Selenium	0.00082	U	0.0500	0.0538		mg/L		108	75 - 125
Thallium	0.00012	U	0.0100	0.0111		mg/L		111	75 - 125

Lab Sample ID: 400-194111-1 MS
Matrix: Water
Analysis Batch: 506715

Client Sample ID: MW-100
Prep Type: Total Recoverable
Prep Batch: 506024

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	0.018	U	0.100	0.116		mg/L		116	75 - 125

Lab Sample ID: 400-194111-1 MSD
Matrix: Water
Analysis Batch: 506443

Client Sample ID: MW-100
Prep Type: Total Recoverable
Prep Batch: 506024

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	0.0015	U	0.0500	0.0521		mg/L		104	75 - 125	9	20
Arsenic	0.00039	U	0.0500	0.0489		mg/L		98	75 - 125	10	20
Barium	0.020		0.0500	0.0690		mg/L		99	75 - 125	3	20
Beryllium	0.0014	I V	0.0500	0.0543		mg/L		106	75 - 125	5	20
Cadmium	0.00028	U	0.0500	0.0539		mg/L		108	75 - 125	1	20
Calcium	0.93		5.00	5.98		mg/L		101	75 - 125	5	20
Chromium	0.0010	U	0.0500	0.0543		mg/L		109	75 - 125	4	20
Cobalt	0.00060	I	0.0500	0.0523		mg/L		103	75 - 125	5	20
Lead	0.00029	U	0.0500	0.0527		mg/L		105	75 - 125	4	20
Lithium	0.0054	V	0.0500	0.0590		mg/L		107	75 - 125	6	20
Molybdenum	0.0045	U	0.0500	0.0518		mg/L		104	75 - 125	7	20
Selenium	0.00082	U	0.0500	0.0522		mg/L		104	75 - 125	3	20
Thallium	0.00012	U	0.0100	0.0106		mg/L		106	75 - 125	5	20

Lab Sample ID: 400-194111-1 MSD
Matrix: Water
Analysis Batch: 506715

Client Sample ID: MW-100
Prep Type: Total Recoverable
Prep Batch: 506024

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Boron	0.018	U	0.100	0.119		mg/L		119	75 - 125	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 400-506016/14-A
Matrix: Water
Analysis Batch: 506160

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 506016

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000070	U	0.00020	0.000070	mg/L		10/08/20 10:06	10/08/20 17:26	1

Lab Sample ID: LCS 400-506016/15-A
Matrix: Water
Analysis Batch: 506160

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 506016

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00101	0.00108		mg/L		108	80 - 120

Lab Sample ID: 400-194116-A-1-B MS
Matrix: Water
Analysis Batch: 506160

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 506016

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.000070	U	0.00201	0.00168		mg/L		83	80 - 120

Lab Sample ID: 400-194116-A-1-C MSD
Matrix: Water
Analysis Batch: 506160

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 506016

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.000070	U	0.00201	0.00167		mg/L		83	80 - 120	0	20

Lab Sample ID: MB 400-506274/14-A
Matrix: Water
Analysis Batch: 506328

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 506274

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0000878	I	0.00020	0.000070	mg/L		10/09/20 16:17	10/09/20 20:15	1

Lab Sample ID: LCS 400-506274/15-A
Matrix: Water
Analysis Batch: 506328

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 506274

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00101	0.00114		mg/L		113	80 - 120

Lab Sample ID: 400-194219-H-1-B MS
Matrix: Water
Analysis Batch: 506328

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 506274

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.000070	U	0.00201	0.00202		mg/L		101	80 - 120

Lab Sample ID: 400-194219-H-1-C MSD
Matrix: Water
Analysis Batch: 506328

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 506274

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.000070	U	0.00201	0.00202		mg/L		100	80 - 120	0	20

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

Lab Sample ID: MB 400-506692/1
Matrix: Water
Analysis Batch: 506692

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			10/13/20 19:33	1

Lab Sample ID: LCS 400-506692/2
Matrix: Water
Analysis Batch: 506692

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	350		mg/L		119	78 - 122

Lab Sample ID: 400-194056-D-4 DU
Matrix: Water
Analysis Batch: 506692

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	260		244		mg/L		5	5

Lab Sample ID: MB 400-506847/1
Matrix: Water
Analysis Batch: 506847

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			10/14/20 20:32	1

Lab Sample ID: LCS 400-506847/2
Matrix: Water
Analysis Batch: 506847

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	346		mg/L		118	78 - 122

Lab Sample ID: 400-194159-I-2 DU
Matrix: Water
Analysis Batch: 506847

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	240		238		mg/L		2	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-506930/6
Matrix: Water
Analysis Batch: 506930

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			10/15/20 11:01	1

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

Lab Sample ID: LCS 400-506930/7
Matrix: Water
Analysis Batch: 506930

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	30.6		mg/L		102	90 - 110

Lab Sample ID: MRL 400-506930/3
Matrix: Water
Analysis Batch: 506930

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	2.03		mg/L		101	50 - 150

Lab Sample ID: 400-194111-1 MS
Matrix: Water
Analysis Batch: 506930

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	6.6		10.0	17.5		mg/L		109	73 - 120

Lab Sample ID: 400-194111-1 MSD
Matrix: Water
Analysis Batch: 506930

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	6.6		10.0	17.5		mg/L		110	73 - 120	1	8

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-507344/5
Matrix: Water
Analysis Batch: 507344

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.032	U	0.10	0.032	mg/L			10/19/20 11:57	1

Lab Sample ID: LCS 400-507344/8
Matrix: Water
Analysis Batch: 507344

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	5.00	4.83		mg/L		97	90 - 110

Lab Sample ID: 400-194059-I-4 MS
Matrix: Water
Analysis Batch: 507344

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	0.21		1.00	1.36		mg/L		115	75 - 125

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: 400-194059-I-4 MSD
Matrix: Water
Analysis Batch: 507344

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	0.21		1.00	1.41		mg/L		120	75 - 125	4	4

Lab Sample ID: 400-194139-Q-1 MS
Matrix: Water
Analysis Batch: 507344

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	0.19		1.00	1.33		mg/L		114	75 - 125

Lab Sample ID: 400-194139-Q-1 MSD
Matrix: Water
Analysis Batch: 507344

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	0.19		1.00	1.41	J3	mg/L		122	75 - 125	6	4

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-506976/6
Matrix: Water
Analysis Batch: 506976

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			10/15/20 14:06	1

Lab Sample ID: LCS 400-506976/7
Matrix: Water
Analysis Batch: 506976

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	15.0	15.9		mg/L		106	90 - 110

Lab Sample ID: MRL 400-506976/3
Matrix: Water
Analysis Batch: 506976

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	4.63	I	mg/L		93	50 - 150

Lab Sample ID: 400-194111-1 MS
Matrix: Water
Analysis Batch: 506976

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	1.4	U	10.0	11.5		mg/L		115	77 - 128

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

Lab Sample ID: 400-194111-1 MSD
Matrix: Water
Analysis Batch: 506976

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	1.4	U	10.0	11.6		mg/L		116	77 - 128	1	5

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Philip Evans / Brett Surles	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-96738-23627.1
Client Contact: Barry Evans	Phone: 850-336-0192	E-Mail: Cheyenne.Whitmire@Eurofinset.com		Page: Page 1 of 1
Company: Gulf Power Company				Job #:

Address: BIN 731 One Energy Place	Due Date Requested:	Analysis Requested
City: Pensacola	TAT Requested (days):	
State, Zip: FL, 32520		
Phone: 850-444-6427(Tel)	PO #: 2000339513	
Email: Barry.Evans@nexteraenergy.com	WO #: 3000004117	
Project Name: CCR Plant Crist Background A	Project #: 40005424	
Site:	SSOW#:	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N	D	N	N		
MW-100	10/7/20	1400	G	Water			X	X	X	X	X	X		
MW-101		1003		Water										
MW-107		1212		Water										
MW-108		1055		Water										
MW-306		1100		Water										
MW-307		1228		Water										
Dup-01	10/7/20	1112	G	Water			X	X	X	X	X	X		
				Water										

400-194111 COC

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time: 10/7/20 1445	Company RDM	Received by:	Date/Time: 10/8/20 14:45	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.8°C, 3.2°C IR8

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 400-194111-1
SDG Number: Background A

Login Number: 194111
List Number: 1
Creator: Gore, Beija K

List Source: Eurofins TestAmerica, 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.	True	
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	4.8 °C, 3.2 °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: Gulf Power Company
Project/Site: CCR Plant Crist

Job ID: 400-194111-1
SDG: Background A

Laboratory: Eurofins TestAmerica, 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	06-30-21
ANAB	ISO/IEC 17025	L2471	02-23-23
Arizona	State	AZ0710	01-13-21
Arkansas DEQ	State	88-0689	09-02-21
California	State	2510	06-30-21
Florida	NELAP	E81010	06-30-21
Georgia	State	E81010(FL)	06-30-21
Illinois	NELAP	200041	10-09-21
Iowa	State	367	08-01-22
Kansas	NELAP	E-10253	10-31-20
Kentucky (UST)	State	53	06-30-21
Kentucky (WW)	State	KY98030	12-31-20
Louisiana	NELAP	30976	06-30-21
Louisiana (DW)	State	LA017	12-31-20
Maryland	State	233	09-30-21
Massachusetts	State	M-FL094	06-30-21
Michigan	State	9912	06-30-21
New Jersey	NELAP	FL006	06-30-21
New York	NELAP	12115	04-01-21
North Carolina (WW/SW)	State	314	12-31-20
Oklahoma	State	9810-186	08-31-21
Pennsylvania	NELAP	68-00467	01-31-21
Rhode Island	State	LAO00307	12-30-20
South Carolina	State	96026002	06-30-21
Tennessee	State	TN02907	06-30-21
Texas	NELAP	T104704286	09-30-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-18-00148	05-17-21
Virginia	NELAP	460166	06-14-21
Washington	State	C915	05-15-21
West Virginia DEP	State	136	12-31-20

eurofins | Environment Testing America



ANALYTICAL REPORT

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

Laboratory Job ID: 400-194111-2
Laboratory Sample Delivery Group: Background A
Client Project/Site: CCR Plant Crist

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

Attn: Barry Evans

Cheyenne R Whitmire

Authorized for release by:
11/22/2020 2:54:27 PM

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

LINKS

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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.

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Job ID: 400-194111-2

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-194111-2

RAD

Method 9315: Radium-226 prep batch 160-485356. Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. MW-100 (400-194111-1), MW-101 (400-194111-2), MW-107 (400-194111-3), MW-108 (400-194111-4), MW-306 (400-194111-5), MW-307 (400-194111-6), DUP-01 (400-194111-7), (LCS 160-485356/1-A), (LCSD 160-485356/2-A) and (MB 160-485356/23-A)

Method 9320: 9320 - prep batch 488533. Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. MW-100 (400-194111-1), MW-101 (400-194111-2), MW-107 (400-194111-3), MW-108 (400-194111-4), MW-306 (400-194111-5), MW-307 (400-194111-6) and DUP-01 (400-194111-7)

Method PrecSep_0: Radium 228 Prep Batch 160-485358. Insufficient sample volume was available to perform a sample duplicate for the following samples: MW-100 (400-194111-1), MW-101 (400-194111-2), MW-107 (400-194111-3), MW-108 (400-194111-4), MW-306 (400-194111-5), MW-307 (400-194111-6) and DUP-01 (400-194111-7). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep_0: Radium 228 Prep Batch 160-488533. Insufficient sample volume was available to perform a sample duplicate for the following samples: MW-100 (400-194111-1), MW-101 (400-194111-2), MW-107 (400-194111-3), MW-108 (400-194111-4), MW-306 (400-194111-5), MW-307 (400-194111-6) and DUP-01 (400-194111-7). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep_0: Radium 228 Prep Batch 160-488533. The following samples were prepared at a reduced aliquot due to re extract of the samples: MW-100 (400-194111-1), MW-101 (400-194111-2), MW-107 (400-194111-3), MW-108 (400-194111-4), MW-306 (400-194111-5), MW-307 (400-194111-6) and DUP-01 (400-194111-7).

Method PrecSep-21: Radium 226 Prep Batch 160-485356. Insufficient sample volume was available to perform a sample duplicate for the following samples: MW-100 (400-194111-1), MW-101 (400-194111-2), MW-107 (400-194111-3), MW-108 (400-194111-4), MW-306 (400-194111-5), MW-307 (400-194111-6) and DUP-01 (400-194111-7). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method Summary

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

Job ID: 400-194111-2
SDG: Background 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 TestAmerica, St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

I ien-t Gu f iPwor nm l op ayt S
wm o/nk GBBe a: l l s wiyt G l m aM G

Job ID: 400-194111-C
BDu : c ykgdm of t Aj

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-194111-1	W7 -100	7 yG m	10R02R00 14:00	10R02R00 14:45	
400-194111-C	W7 -101	7 yG m	10R02R00 10:03	10R02R00 14:45	
400-194111-3	W7 -102	7 yG m	10R02R00 1C:1C	10R02R00 14:45	
400-194111-4	W7 -108	7 yG m	10R02R00 10:55	10R02R00 14:45	
400-194111-5	W7 -306	7 yG m	10R02R00 11:00	10R02R00 14:45	
400-194111-6	W7 -302	7 yG m	10R02R00 1C:C8	10R02R00 14:45	
400-194111-2	DUw-01	7 yG m	10R02R00 11:1C	10R02R00 14:45	

Ef moRe MTnMG p nmky, wnt Myk oiy

Client Sample ID: MW-100

Date Collected: 10/07/20 14:00
Date Received: 10/07/20 14:45

Lab Sample ID: 400-194111-1

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	**0.493**		0.233	0.238	1.00	0.290	pCi/L	10/13/20 09:59	11/06/20 12:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.3*		*40 - 110*	*10/13/20 09:59*	*11/06/20 12:07*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.651	U	0.497	0.501	1.00	0.785	pCi/L	11/09/20 07:02	11/12/20 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*78.2*		*40 - 110*	*11/09/20 07:02*	*11/12/20 12:03*	*1*
Y Carrier	*110*		*40 - 110*	*11/09/20 07:02*	*11/12/20 12:03*	*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	**1.14**		0.549	0.555	5.00	0.785	pCi/L		11/13/20 16:13	1

Client Sample ID: MW-101
Date Collected: 10/07/20 10:03
Date Received: 10/07/20 14:45

Lab Sample ID: 400-194111-2
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	**0.462**		0.202	0.206	1.00	0.217	pCi/L	10/13/20 09:59	11/06/20 12:07	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.1*		*40 - 110*	*10/13/20 09:59*	*11/06/20 12:07*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.604	U	0.516	0.519	1.00	0.825	pCi/L	11/09/20 07:02	11/12/20 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.8*		*40 - 110*	*11/09/20 07:02*	*11/12/20 12:04*	*1*
Y Carrier	*104*		*40 - 110*	*11/09/20 07:02*	*11/12/20 12:04*	*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	**1.07**		0.554	0.558	5.00	0.825	pCi/L		11/13/20 16:13	1

Client Sample ID: MW-107
Date Collected: 10/07/20 12:12
Date Received: 10/07/20 14:45

Lab Sample ID: 400-194111-3
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	**0.335**		0.175	0.178	1.00	0.207	pCi/L	10/13/20 09:59	11/06/20 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.3*		*40 - 110*	*10/13/20 09:59*	*11/06/20 12:11*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.428	U	0.424	0.426	1.00	0.687	pCi/L	11/09/20 07:02	11/12/20 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.9*		*40 - 110*	*11/09/20 07:02*	*11/12/20 12:04*	*1*
Y Carrier	*107*		*40 - 110*	*11/09/20 07:02*	*11/12/20 12:04*	*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	**0.763**		0.459	0.462	5.00	0.687	pCi/L		11/13/20 16:13	1

Client Sample ID: MW-108

Date Collected: 10/07/20 10:55
Date Received: 10/07/20 14:45

Lab Sample ID: 400-194111-4

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	0.531		0.204	0.209	1.00	0.192	pCi/L	10/13/20 09:59	11/06/20 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.0*		*40 - 110*	*10/13/20 09:59*	*11/06/20 12:11*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.22		0.559	0.570	1.00	0.810	pCi/L	11/09/20 07:02	11/12/20 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.5*		*40 - 110*	*11/09/20 07:02*	*11/12/20 12:04*	*1*
Y Carrier	*101*		*40 - 110*	*11/09/20 07:02*	*11/12/20 12:04*	*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	1.75		0.595	0.607	5.00	0.810	pCi/L		11/13/20 16:13	1

Client Sample ID: MW-306
Date Collected: 10/07/20 11:00
Date Received: 10/07/20 14:45

Lab Sample ID: 400-194111-5
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	0.332		0.176	0.179	1.00	0.205	pCi/L	10/13/20 09:59	11/06/20 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.3*		*40 - 110*	*10/13/20 09:59*	*11/06/20 12:11*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.378	U	0.447	0.448	1.00	0.737	pCi/L	11/09/20 07:02	11/12/20 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.8*		*40 - 110*	*11/09/20 07:02*	*11/12/20 12:04*	*1*
Y Carrier	*104*		*40 - 110*	*11/09/20 07:02*	*11/12/20 12:04*	*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	0.709	U	0.480	0.482	5.00	0.737	pCi/L		11/13/20 16:13	1

Client Sample ID: MW-307

Date Collected: 10/07/20 12:28
Date Received: 10/07/20 14:45

Lab Sample ID: 400-194111-6

Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0731	U	0.127	0.127	1.00	0.224	pCi/L	10/13/20 09:59	11/06/20 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.9*		*40 - 110*	*10/13/20 09:59*	*11/06/20 12:11*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.387	U	0.421	0.423	1.00	0.689	pCi/L	11/09/20 07:02	11/12/20 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.5*		*40 - 110*	*11/09/20 07:02*	*11/12/20 12:04*	*1*
Y Carrier	*105*		*40 - 110*	*11/09/20 07:02*	*11/12/20 12:04*	*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	0.460	U	0.440	0.442	5.00	0.689	pCi/L		11/13/20 16:13	1

Client Sample ID: DUP-01
Date Collected: 10/07/20 11:12
Date Received: 10/07/20 14:45

Lab Sample ID: 400-194111-7
Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.496**		0.216	0.221	1.00	0.238	pCi/L	10/13/20 09:59	11/06/20 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.3*		*40 - 110*	*10/13/20 09:59*	*11/06/20 12:11*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.249	U	0.440	0.441	1.00	0.747	pCi/L	11/09/20 07:02	11/12/20 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.1*		*40 - 110*	*11/09/20 07:02*	*11/12/20 12:04*	*1*
Y Carrier	*104*		*40 - 110*	*11/09/20 07:02*	*11/12/20 12:04*	*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	0.744	U	0.490	0.493	5.00	0.747	pCi/L		11/13/20 16:13	1

Definitions/Glossary

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

Job ID: 400-194111-2
SDG: Background 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.
¤	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 Plant Crist

Job ID: 400-194111-2
SDG: Background A

Client Sample ID: MW-100
Date Collected: 10/07/20 14:00
Date Received: 10/07/20 14:45

Lab Sample ID: 400-194111-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			485356	10/13/20 09:59	AVB	TAL SL
Total/NA	Analysis	9315		1	488483	11/06/20 12:07	SCB	TAL SL
Total/NA	Prep	PrecSep_0			488533	11/09/20 07:02	AVB	TAL SL
Total/NA	Analysis	9320		1	488988	11/12/20 12:03	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	489044	11/13/20 16:13	SCB	TAL SL

Client Sample ID: MW-101
Date Collected: 10/07/20 10:03
Date Received: 10/07/20 14:45

Lab Sample ID: 400-194111-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			485356	10/13/20 09:59	AVB	TAL SL
Total/NA	Analysis	9315		1	488483	11/06/20 12:07	SCB	TAL SL
Total/NA	Prep	PrecSep_0			488533	11/09/20 07:02	AVB	TAL SL
Total/NA	Analysis	9320		1	488988	11/12/20 12:04	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	489044	11/13/20 16:13	SCB	TAL SL

Client Sample ID: MW-107
Date Collected: 10/07/20 12:12
Date Received: 10/07/20 14:45

Lab Sample ID: 400-194111-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			485356	10/13/20 09:59	AVB	TAL SL
Total/NA	Analysis	9315		1	488483	11/06/20 12:11	SCB	TAL SL
Total/NA	Prep	PrecSep_0			488533	11/09/20 07:02	AVB	TAL SL
Total/NA	Analysis	9320		1	488988	11/12/20 12:04	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	489044	11/13/20 16:13	SCB	TAL SL

Client Sample ID: MW-108
Date Collected: 10/07/20 10:55
Date Received: 10/07/20 14:45

Lab Sample ID: 400-194111-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			485356	10/13/20 09:59	AVB	TAL SL
Total/NA	Analysis	9315		1	488483	11/06/20 12:11	SCB	TAL SL
Total/NA	Prep	PrecSep_0			488533	11/09/20 07:02	AVB	TAL SL
Total/NA	Analysis	9320		1	488988	11/12/20 12:04	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	489044	11/13/20 16:13	SCB	TAL SL

Lab Chronicle

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

Job ID: 400-194111-2
SDG: Background A

Client Sample ID: MW-306
Date Collected: 10/07/20 11:00
Date Received: 10/07/20 14:45

Lab Sample ID: 400-194111-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			485356	10/13/20 09:59	AVB	TAL SL
Total/NA	Analysis	9315		1	488483	11/06/20 12:11	SCB	TAL SL
Total/NA	Prep	PrecSep_0			488533	11/09/20 07:02	AVB	TAL SL
Total/NA	Analysis	9320		1	488988	11/12/20 12:04	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	489044	11/13/20 16:13	SCB	TAL SL

Client Sample ID: MW-307
Date Collected: 10/07/20 12:28
Date Received: 10/07/20 14:45

Lab Sample ID: 400-194111-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			485356	10/13/20 09:59	AVB	TAL SL
Total/NA	Analysis	9315		1	488483	11/06/20 12:11	SCB	TAL SL
Total/NA	Prep	PrecSep_0			488533	11/09/20 07:02	AVB	TAL SL
Total/NA	Analysis	9320		1	488988	11/12/20 12:04	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	489044	11/13/20 16:13	SCB	TAL SL

Client Sample ID: DUP-01
Date Collected: 10/07/20 11:12
Date Received: 10/07/20 14:45

Lab Sample ID: 400-194111-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			485356	10/13/20 09:59	AVB	TAL SL
Total/NA	Analysis	9315		1	488483	11/06/20 12:11	SCB	TAL SL
Total/NA	Prep	PrecSep_0			488533	11/09/20 07:02	AVB	TAL SL
Total/NA	Analysis	9320		1	488988	11/12/20 12:04	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	489044	11/13/20 16:13	SCB	TAL SL

Laboratory References:

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

Rad

Prep Batch: 485356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194111-1	MW-100	Total/NA	Water	PrecSep-21	
400-194111-2	MW-101	Total/NA	Water	PrecSep-21	
400-194111-3	MW-107	Total/NA	Water	PrecSep-21	
400-194111-4	MW-108	Total/NA	Water	PrecSep-21	
400-194111-5	MW-306	Total/NA	Water	PrecSep-21	
400-194111-6	MW-307	Total/NA	Water	PrecSep-21	
400-194111-7	DUP-01	Total/NA	Water	PrecSep-21	
MB 160-485356/23-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-485356/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-485356/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 488533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194111-1	MW-100	Total/NA	Water	PrecSep_0	
400-194111-2	MW-101	Total/NA	Water	PrecSep_0	
400-194111-3	MW-107	Total/NA	Water	PrecSep_0	
400-194111-4	MW-108	Total/NA	Water	PrecSep_0	
400-194111-5	MW-306	Total/NA	Water	PrecSep_0	
400-194111-6	MW-307	Total/NA	Water	PrecSep_0	
400-194111-7	DUP-01	Total/NA	Water	PrecSep_0	
MB 160-488533/22-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-488533/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-488533/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-485356/23-A
Matrix: Water
Analysis Batch: 488447

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 485356

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.03043	U	0.100	0.100	1.00	0.236	pCi/L	10/13/20 09:59	11/06/20 13:36	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.5*		*40 - 110*	*10/13/20 09:59*	*11/06/20 13:36*	*1*

Lab Sample ID: LCS 160-485356/1-A
Matrix: Water
Analysis Batch: 488483

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 485356

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-226			11.3	11.14		1.35	1.00	0.304	pCi/L	98	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*87.0*		*40 - 110*

Lab Sample ID: LCSD 160-485356/2-A
Matrix: Water
Analysis Batch: 488483

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 485356

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Radium-226			11.3	9.022		1.14	1.00	0.233	pCi/L	80	75 - 125	0.85	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*86.4*		*40 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-488533/22-A
Matrix: Water
Analysis Batch: 488989

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 488533

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.05411	U	0.424	0.424	1.00	0.752	pCi/L	11/09/20 07:02	11/12/20 12:06	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.5*		*40 - 110*	*11/09/20 07:02*	*11/12/20 12:06*	*1*
Y Carrier	*107*		*40 - 110*	*11/09/20 07:02*	*11/12/20 12:06*	*1*

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

Lab Sample ID: LCS 160-488533/1-A
Matrix: Water
Analysis Batch: 488988

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 488533

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-228			15.3	13.02		1.67	1.00	0.849	pCi/L	85	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*80.3*		*40 - 110*
Y Carrier	*103*		*40 - 110*

Lab Sample ID: LCSD 160-488533/2-A
Matrix: Water
Analysis Batch: 488988

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 488533

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Radium-228			15.3	13.40		1.70	1.00	0.828	pCi/L	87	75 - 125	0.11	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*77.9*		*40 - 110*
Y Carrier	*107*		*40 - 110*

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Philip Evans / Brett Surles	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-96738-23627.1
Client Contact: Barry Evans	Phone: 850-336-0192	E-Mail: Cheyenne.Whitmire@Eurofinset.com		Page: Page 1 of 1
Company: Gulf Power Company				Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520				
Phone: 850-444-6427(Tel)	PO #: 2000339513			
Email: Barry.Evans@nexteraenergy.com	WO #: 3000004117			
Project Name: CCR Plant Crist Background A	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N	D	N	N		
MW-100	10/7/20	1400	G	Water			X	X	X	X	X	X		
MW-101		1003		Water										
MW-107		1212		Water										
MW-108		1055		Water										
MW-306		1100		Water										
MW-307		1228		Water										
Dup-01	10/7/20	1112	G	Water			X	X	X	X	X	X		
				Water										

400-194111 COC

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time: 10/7/20 1445	Company RDM	Received by:	Date/Time: 10/7/20 14:45	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.8°C, 3.2°C IR8

Ver: 01/16/2019

11/22/2020

Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 400-194111-S
DBG Number: c akgdrounA/

Login Number: 194111
List Number: 1
Creator: Gore, Beija K

List Source: Eurofins TestAmerica, Pensacola

Question	Answer	Comment
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, <e kooler or ' ample' Ao not appear to <ase been kompromi' eA or tampereA wit<T	, rue	
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COC i' filleA out wit< all pertinent informationT	, rue	
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/ ppropriate ' ample kontainer' are u' eAT	, rue	
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v e' iAual C<lorine C<ekgeAT	NR	

Accreditation/Certification Summary

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

Job ID: 400-194111-2
SDG: Background A

Laboratory: Eurofins TestAmerica, StPLouis

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

Autl ority	hrogram	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-22
ANAB	Dept. of Defense ELAP	L2305	04-06-22
ANAB	Dept. of Energy	L2305.01	04-06-22
ANAB	ISO/IEC 17025	L2305	04-06-22
Arizona	State	AZ0813	12-08-20
California	Los Angeles County Sanitation Districts	10259	06-30-21
California	State	2886	06-30-21
Connecticut	State	PH-0241	03-31-21
Florida	NELAP	E87689	06-30-21
HI - RadChem Recognition	State	n/a	06-30-21
Illinois	NELAP	004553	11-30-20
Iowa	State	373	12-01-20
Kentucky (DW)	State	KY90125	12-31-20
Louisiana	NELAP	04080	06-30-21
Louisiana (DW)	State	LA011	12-31-20
Maryland	State	310	09-30-21
MI - RadChem Recognition	State	9005	06-30-21
Missouri	State	780	06-30-22
Nevada	State	MO000542020-1	07-31-21
New Jersey	NELAP	MO002	06-30-21
New York	NELAP	11616	04-01-21
North Dakota	State	R-207	06-30-21
NRC	NRC	24-24817-01	12-31-22
Oklahoma	State	9997	08-31-21
Oregon	NELAP	4157	09-01-21
Pennsylvania	NELAP	68-00540	02-28-21
South Carolina	State	85002001	06-30-21
Texas	NELAP	T104704193-19-13	07-31-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-17-00028	03-11-23
Utah	NELAP	MO000542019-11	07-31-21
Virginia	NELAP	10310	06-14-21
Washington	State	C592	08-30-21
West Virginia DEP	State	381	10-31-21

eurofins | Environment Testing America



ANALYTICAL REPORT

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

Laboratory Job ID: 400-194247-5
Laboratory Sample Delivery Group: Upgradient E
Client Project/Site: CCR Plant Crist

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

Attn: Barry Evans

Cheyenne Whitmire

Authorized for release by:
10/29/2020 4:28:10 PM

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

LINKS

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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.

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Job ID: 400-194247-5

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-194247-5

Metals

Method 6020: The ICV for batch 400-506715 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 400-506715/10)

Method 7470A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-506379 and analytical batch 400-506663 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 7470A: The method blank for preparation batch 400-506380 and analytical batch 400-506663contained Mercury above the method detection limit. This target analyte concentration was less than the practical quantitation limit (PQL); therefore, re-extraction and_or re-analysis of samples was not performed.

General Chemistry

Method SM 2540C: The sample duplicate (DUP) precision for analytical batch 400-507208 was outside control limits. Sample non-homogeneity is suspected.

Method SM 2540C: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for analytical batch 400-507023 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-507476 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 following samples were diluted to bring the concentration of target analytes within the calibration range: MW-203 (400-194247-10), MW-204 (400-194247-11) and MW-205 (400-194247-12). Elevated reporting limits (RLs) are provided.

Detection Summary

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

Job ID: 400-194247-5
SDG: Upgradient E

Client Sample ID: EB-03 — Lab Sample ID: 400-194247-9

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.024	I	0.050	0.018	mg/L	5		6020	Total Recoverable

Client Sample ID: MW-203 — Lab Sample ID: 400-194247-10

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00071	I	0.0013	0.00039	mg/L	5		6020	Total Recoverable
Barium	0.021		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	0.62		0.050	0.018	mg/L	5		6020	Total Recoverable
Calcium	32		0.25	0.13	mg/L	5		6020	Total Recoverable
Chromium	0.0022	I	0.0025	0.0010	mg/L	5		6020	Total Recoverable
Cobalt	0.00081	I	0.0025	0.00056	mg/L	5		6020	Total Recoverable
Selenium	0.00090	I	0.0013	0.00082	mg/L	5		6020	Total Recoverable
Thallium	0.00014	I	0.00050	0.00012	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	210		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	20		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	70		10	2.8	mg/L	2		SM 4500 SO4 E	Total/NA
Field pH	5.38				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-204 — Lab Sample ID: 400-194247-11

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.026		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	5.1		2.0	0.72	mg/L	200		6020	Total Recoverable
Calcium	63		0.25	0.13	mg/L	5		6020	Total Recoverable
Cobalt	0.012		0.0025	0.00056	mg/L	5		6020	Total Recoverable
Lead	0.0019		0.0013	0.00029	mg/L	5		6020	Total Recoverable
Selenium	0.0036		0.0013	0.00082	mg/L	5		6020	Total Recoverable
Thallium	0.00037	I	0.00050	0.00012	mg/L	5		6020	Total Recoverable
Mercury	0.00010	I	0.00020	0.000070	mg/L	1		7470A	Total/NA
Total Dissolved Solids	1300		10	10	mg/L	1		SM 2540C	Total/NA
Chloride	81		4.0	2.8	mg/L	2		SM 4500 Cl- E	Total/NA
Fluoride	0.22		0.10	0.032	mg/L	1		SM 4500 F C	Total/NA
Sulfate	300		50	14	mg/L	10		SM 4500 SO4 E	Total/NA
Field pH	4.21				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-205 — Lab Sample ID: 400-194247-12

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00098	I	0.0013	0.00039	mg/L	5		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-205 (Continued) — Lab Sample ID: 400-194247-12

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.032		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	1.4		0.050	0.018	mg/L	5		6020	Total Recoverable
Calcium	27		0.25	0.13	mg/L	5		6020	Total Recoverable
Cobalt	0.0023	I	0.0025	0.00056	mg/L	5		6020	Total Recoverable
Lead	0.00051	I	0.0013	0.00029	mg/L	5		6020	Total Recoverable
Selenium	0.0020		0.0013	0.00082	mg/L	5		6020	Total Recoverable
Thallium	0.00016	I	0.00050	0.00012	mg/L	5		6020	Total Recoverable
Mercury	0.00015	I	0.00020	0.000070	mg/L	1		7470A	Total/NA
Total Dissolved Solids	250		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	40		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.040	I	0.10	0.032	mg/L	1		SM 4500 F C	Total/NA
Sulfate	100		25	7.0	mg/L	5		SM 4500 SO4 E	Total/NA
Field pH	4.82				SU	1		Field Sampling	Total/NA

Client Sample ID: FB-03 — Lab Sample ID: 400-194247-13

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.00011	I	0.00020	0.000070	mg/L	1		7470A	Total/NA
Total Dissolved Solids	28		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-202 — Lab Sample ID: 400-194247-17

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00087	I	0.0013	0.00039	mg/L	5		6020	Total Recoverable
Barium	0.026		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	0.25		0.050	0.018	mg/L	5		6020	Total Recoverable
Calcium	8.2		0.25	0.13	mg/L	5		6020	Total Recoverable
Chromium	0.0025		0.0025	0.0010	mg/L	5		6020	Total Recoverable
Cobalt	0.0014	I	0.0025	0.00056	mg/L	5		6020	Total Recoverable
Mercury	0.00012	I	0.00020	0.000070	mg/L	1		7470A	Total/NA
Total Dissolved Solids	96		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	13		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	24		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	4.88				SU	1		Field Sampling	Total/NA

Client Sample ID: DUP-04 — Lab Sample ID: 400-194247-18

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.026		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	0.19		0.050	0.018	mg/L	5		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: DUP-04 (Continued)

Lab Sample ID: 400-194247-18

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	8.4		0.25	0.13	mg/L	5		6020	Total Recoverable
Chromium	0.0028		0.0025	0.0010	mg/L	5		6020	Total Recoverable
Cobalt	0.0015	I	0.0025	0.00056	mg/L	5		6020	Total Recoverable
Mercury	0.00015	I	0.00020	0.000070	mg/L	1		7470A	Total/NA
Total Dissolved Solids	90		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	13		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	23		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	4.88				SU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

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

Job ID: 400-194247-5
SDG: Upgradient E

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 TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

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

Job ID: 400-194247-5
SDG: Upgradient E

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-194247-9	EB-03	Water	10/09/20 13:00	10/09/20 14:45	
400-194247-10	MW-203	Water	10/09/20 12:23	10/09/20 14:45	
400-194247-11	MW-204	Water	10/09/20 12:45	10/09/20 14:45	
400-194247-12	MW-205	Water	10/09/20 13:50	10/09/20 14:45	
400-194247-13	FB-03	Water	10/09/20 12:40	10/09/20 14:45	
400-194247-17	MW-202	Water	10/12/20 07:43	10/12/20 14:30	
400-194247-18	DUP-04	Water	10/12/20 06:43	10/12/20 14:30	

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

Job ID: 400-194247-5
SDG: Upgradient E

Client Sample ID: EB-03
Date Collected: 10/09/20 13:00
Date Received: 10/09/20 14:45

Lab Sample ID: 400-194247-9
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		10/12/20 18:12	10/13/20 22:29	5
Arsenic	0.00039	U	0.0013	0.00039	mg/L		10/12/20 18:12	10/20/20 15:18	5
Barium	0.00070	U	0.0025	0.00070	mg/L		10/12/20 18:12	10/13/20 22:29	5
Beryllium	0.00017	U	0.0025	0.00017	mg/L		10/12/20 18:12	10/13/20 22:29	5
Boron	**0.024**	**I**	0.050	0.018	mg/L		10/12/20 18:12	10/13/20 22:29	5
Cadmium	0.00028	U	0.0025	0.00028	mg/L		10/12/20 18:12	10/13/20 22:29	5
Calcium	0.13	U	0.25	0.13	mg/L		10/12/20 18:12	10/13/20 22:29	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		10/12/20 18:12	10/13/20 22:29	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		10/12/20 18:12	10/13/20 22:29	5
Lead	0.00029	U	0.0013	0.00029	mg/L		10/12/20 18:12	10/13/20 22:29	5
Lithium	0.0019	U	0.0050	0.0019	mg/L		10/12/20 18:12	10/13/20 22:29	5
Molybdenum	0.0045	U	0.015	0.0045	mg/L		10/12/20 18:12	10/13/20 22:29	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		10/12/20 18:12	10/20/20 15:18	5
Thallium	0.00012	U	0.00050	0.00012	mg/L		10/12/20 18:12	10/13/20 22:29	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000070	U	0.00020	0.000070	mg/L		10/13/20 08:30	10/13/20 13:22	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			10/15/20 16:55	1
Chloride	1.4	U	2.0	1.4	mg/L			10/20/20 14:18	1
Fluoride	0.032	U	0.10	0.032	mg/L			10/20/20 11:50	1
Sulfate	1.4	U	5.0	1.4	mg/L			10/20/20 11:53	1

Client Sample Results

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

Job ID: 400-194247-5
SDG: Upgradient E

Client Sample ID: MW-203

Date Collected: 10/09/20 12:23
Date Received: 10/09/20 14:45

Lab Sample ID: 400-194247-10

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		10/12/20 18:12	10/13/20 22:33	5
Arsenic	**0.00071**	**I**	0.0013	0.00039	mg/L		10/12/20 18:12	10/13/20 22:33	5
Barium	**0.021**		0.0025	0.00070	mg/L		10/12/20 18:12	10/13/20 22:33	5
Beryllium	0.00017	U	0.0025	0.00017	mg/L		10/12/20 18:12	10/13/20 22:33	5
Boron	**0.62**		0.050	0.018	mg/L		10/12/20 18:12	10/13/20 22:33	5
Cadmium	0.00028	U	0.0025	0.00028	mg/L		10/12/20 18:12	10/13/20 22:33	5
Calcium	**32**		0.25	0.13	mg/L		10/12/20 18:12	10/13/20 22:33	5
Chromium	**0.0022**	**I**	0.0025	0.0010	mg/L		10/12/20 18:12	10/13/20 22:33	5
Cobalt	**0.00081**	**I**	0.0025	0.00056	mg/L		10/12/20 18:12	10/13/20 22:33	5
Lead	0.00029	U	0.0013	0.00029	mg/L		10/12/20 18:12	10/13/20 22:33	5
Lithium	0.0019	U	0.0050	0.0019	mg/L		10/12/20 18:12	10/13/20 22:33	5
Molybdenum	0.0045	U	0.015	0.0045	mg/L		10/12/20 18:12	10/13/20 22:33	5
Selenium	**0.00090**	**I**	0.0013	0.00082	mg/L		10/12/20 18:12	10/20/20 15:26	5
Thallium	**0.00014**	**I**	0.00050	0.00012	mg/L		10/12/20 18:12	10/13/20 22:33	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000070	U	0.00020	0.000070	mg/L		10/13/20 08:30	10/13/20 13:24	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**210**		5.0	5.0	mg/L			10/16/20 20:21	1
Chloride	**20**		2.0	1.4	mg/L			10/20/20 14:18	1
Fluoride	0.032	U	0.10	0.032	mg/L			10/20/20 11:55	1
Sulfate	**70**		10	2.8	mg/L			10/20/20 11:57	2

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.38**				SU			10/09/20 12:23	1

Client Sample Results

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

Job ID: 400-194247-5
SDG: Upgradient E

Client Sample ID: MW-204

Date Collected: 10/09/20 12:45
Date Received: 10/09/20 14:45

Lab Sample ID: 400-194247-11

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		10/12/20 18:12	10/13/20 22:37	5
Arsenic	0.00039	U	0.0013	0.00039	mg/L		10/12/20 18:12	10/13/20 22:37	5
Barium	**0.026**		0.0025	0.00070	mg/L		10/12/20 18:12	10/13/20 22:37	5
Beryllium	0.00017	U	0.0025	0.00017	mg/L		10/12/20 18:12	10/13/20 22:37	5
Boron	**5.1**		2.0	0.72	mg/L		10/12/20 18:12	10/20/20 15:49	200
Cadmium	0.00028	U	0.0025	0.00028	mg/L		10/12/20 18:12	10/13/20 22:37	5
Calcium	**63**		0.25	0.13	mg/L		10/12/20 18:12	10/13/20 22:37	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		10/12/20 18:12	10/13/20 22:37	5
Cobalt	**0.012**		0.0025	0.00056	mg/L		10/12/20 18:12	10/13/20 22:37	5
Lead	**0.0019**		0.0013	0.00029	mg/L		10/12/20 18:12	10/13/20 22:37	5
Lithium	0.0019	U	0.0050	0.0019	mg/L		10/12/20 18:12	10/13/20 22:37	5
Molybdenum	0.0045	U	0.015	0.0045	mg/L		10/12/20 18:12	10/13/20 22:37	5
Selenium	**0.0036**		0.0013	0.00082	mg/L		10/12/20 18:12	10/20/20 15:30	5
Thallium	**0.00037**	**I**	0.00050	0.00012	mg/L		10/12/20 18:12	10/13/20 22:37	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00010**	**I**	0.00020	0.000070	mg/L		10/13/20 08:30	10/13/20 13:26	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1300**		10	10	mg/L			10/16/20 20:21	1
Chloride	**81**		4.0	2.8	mg/L			10/20/20 14:39	2
Fluoride	**0.22**		0.10	0.032	mg/L			10/20/20 11:59	1
Sulfate	**300**		50	14	mg/L			10/20/20 12:16	10

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.21**				SU			10/09/20 12:45	1

Client Sample Results

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

Job ID: 400-194247-5
SDG: Upgradient E

Client Sample ID: MW-205

Date Collected: 10/09/20 13:50
Date Received: 10/09/20 14:45

Lab Sample ID: 400-194247-12

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		10/12/20 18:12	10/13/20 22:41	5
Arsenic	**0.00098**	**I**	0.0013	0.00039	mg/L		10/12/20 18:12	10/13/20 22:41	5
Barium	**0.032**		0.0025	0.00070	mg/L		10/12/20 18:12	10/13/20 22:41	5
Beryllium	0.00017	U	0.0025	0.00017	mg/L		10/12/20 18:12	10/13/20 22:41	5
Boron	**1.4**		0.050	0.018	mg/L		10/12/20 18:12	10/13/20 22:41	5
Cadmium	0.00028	U	0.0025	0.00028	mg/L		10/12/20 18:12	10/13/20 22:41	5
Calcium	**27**		0.25	0.13	mg/L		10/12/20 18:12	10/13/20 22:41	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		10/12/20 18:12	10/13/20 22:41	5
Cobalt	**0.0023**	**I**	0.0025	0.00056	mg/L		10/12/20 18:12	10/13/20 22:41	5
Lead	**0.00051**	**I**	0.0013	0.00029	mg/L		10/12/20 18:12	10/13/20 22:41	5
Lithium	0.0019	U	0.0050	0.0019	mg/L		10/12/20 18:12	10/13/20 22:41	5
Molybdenum	0.0045	U	0.015	0.0045	mg/L		10/12/20 18:12	10/13/20 22:41	5
Selenium	**0.0020**		0.0013	0.00082	mg/L		10/12/20 18:12	10/20/20 15:53	5
Thallium	**0.00016**	**I**	0.00050	0.00012	mg/L		10/12/20 18:12	10/13/20 22:41	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00015**	**I**	0.00020	0.000070	mg/L		10/13/20 08:30	10/13/20 13:28	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**250**		5.0	5.0	mg/L			10/16/20 20:21	1
Chloride	**40**		2.0	1.4	mg/L			10/20/20 14:19	1
Fluoride	**0.040**	**I**	0.10	0.032	mg/L			10/20/20 12:03	1
Sulfate	**100**		25	7.0	mg/L			10/20/20 12:16	5

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.82**				SU			10/09/20 13:50	1

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

Job ID: 400-194247-5
SDG: Upgradient E

Client Sample ID: FB-03

Date Collected: 10/09/20 12:40
Date Received: 10/09/20 14:45

Lab Sample ID: 400-194247-13

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		10/12/20 18:12	10/13/20 22:45	5
Arsenic	0.00039	U	0.0013	0.00039	mg/L		10/12/20 18:12	10/13/20 22:45	5
Barium	0.00070	U	0.0025	0.00070	mg/L		10/12/20 18:12	10/13/20 22:45	5
Beryllium	0.00017	U	0.0025	0.00017	mg/L		10/12/20 18:12	10/13/20 22:45	5
Boron	0.018	U	0.050	0.018	mg/L		10/12/20 18:12	10/13/20 22:45	5
Cadmium	0.00028	U	0.0025	0.00028	mg/L		10/12/20 18:12	10/13/20 22:45	5
Calcium	0.13	U	0.25	0.13	mg/L		10/12/20 18:12	10/13/20 22:45	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		10/12/20 18:12	10/13/20 22:45	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		10/12/20 18:12	10/13/20 22:45	5
Lead	0.00029	U	0.0013	0.00029	mg/L		10/12/20 18:12	10/13/20 22:45	5
Lithium	0.0019	U	0.0050	0.0019	mg/L		10/12/20 18:12	10/13/20 22:45	5
Molybdenum	0.0045	U	0.015	0.0045	mg/L		10/12/20 18:12	10/13/20 22:45	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		10/12/20 18:12	10/20/20 15:57	5
Thallium	0.00012	U	0.00050	0.00012	mg/L		10/12/20 18:12	10/13/20 22:45	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00011	I	0.00020	0.000070	mg/L		10/13/20 08:30	10/13/20 13:30	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	28		5.0	5.0	mg/L			10/16/20 20:21	1
Chloride	1.4	U	2.0	1.4	mg/L			10/20/20 14:25	1
Fluoride	0.032	U	0.10	0.032	mg/L			10/20/20 12:07	1
Sulfate	1.4	U	5.0	1.4	mg/L			10/20/20 11:36	1

Client Sample Results

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

Job ID: 400-194247-5
SDG: Upgradient E

Client Sample ID: MW-202

Date Collected: 10/12/20 07:43
Date Received: 10/12/20 14:30

Lab Sample ID: 400-194247-17

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		10/12/20 18:12	10/13/20 23:08	5
Arsenic	**0.00087**	**I**	0.0013	0.00039	mg/L		10/12/20 18:12	10/13/20 23:08	5
Barium	**0.026**		0.0025	0.00070	mg/L		10/12/20 18:12	10/13/20 23:08	5
Beryllium	0.00017	U	0.0025	0.00017	mg/L		10/12/20 18:12	10/13/20 23:08	5
Boron	**0.25**		0.050	0.018	mg/L		10/12/20 18:12	10/13/20 23:08	5
Cadmium	0.00028	U	0.0025	0.00028	mg/L		10/12/20 18:12	10/13/20 23:08	5
Calcium	**8.2**		0.25	0.13	mg/L		10/12/20 18:12	10/13/20 23:08	5
Chromium	**0.0025**		0.0025	0.0010	mg/L		10/12/20 18:12	10/13/20 23:08	5
Cobalt	**0.0014**	**I**	0.0025	0.00056	mg/L		10/12/20 18:12	10/13/20 23:08	5
Lead	0.00029	U	0.0013	0.00029	mg/L		10/12/20 18:12	10/13/20 23:08	5
Lithium	0.0019	U	0.0050	0.0019	mg/L		10/12/20 18:12	10/13/20 23:08	5
Molybdenum	0.0045	U	0.015	0.0045	mg/L		10/12/20 18:12	10/13/20 23:08	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		10/12/20 18:12	10/20/20 16:12	5
Thallium	0.00012	U	0.00050	0.00012	mg/L		10/12/20 18:12	10/13/20 23:08	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00012**	**I**	0.00020	0.000070	mg/L		10/13/20 08:30	10/13/20 13:38	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**96**		5.0	5.0	mg/L			10/16/20 20:21	1
Chloride	**13**		2.0	1.4	mg/L			10/20/20 14:25	1
Fluoride	0.032	U	0.10	0.032	mg/L			10/21/20 14:47	1
Sulfate	**24**		5.0	1.4	mg/L			10/20/20 11:53	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.88**				SU			10/12/20 07:43	1

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

Job ID: 400-194247-5
SDG: Upgradient E

Client Sample ID: DUP-04
Date Collected: 10/12/20 06:43
Date Received: 10/12/20 14:30

Lab Sample ID: 400-194247-18
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		10/12/20 18:12	10/13/20 23:12	5
Arsenic	0.00039	U	0.0013	0.00039	mg/L		10/12/20 18:12	10/13/20 23:12	5
Barium	**0.026**		0.0025	0.00070	mg/L		10/12/20 18:12	10/13/20 23:12	5
Beryllium	0.00017	U	0.0025	0.00017	mg/L		10/12/20 18:12	10/13/20 23:12	5
Boron	**0.19**		0.050	0.018	mg/L		10/12/20 18:12	10/13/20 23:12	5
Cadmium	0.00028	U	0.0025	0.00028	mg/L		10/12/20 18:12	10/13/20 23:12	5
Calcium	**8.4**		0.25	0.13	mg/L		10/12/20 18:12	10/13/20 23:12	5
Chromium	**0.0028**		0.0025	0.0010	mg/L		10/12/20 18:12	10/13/20 23:12	5
Cobalt	**0.0015**	**I**	0.0025	0.00056	mg/L		10/12/20 18:12	10/13/20 23:12	5
Lead	0.00029	U	0.0013	0.00029	mg/L		10/12/20 18:12	10/13/20 23:12	5
Lithium	0.0019	U	0.0050	0.0019	mg/L		10/12/20 18:12	10/13/20 23:12	5
Molybdenum	0.0045	U	0.015	0.0045	mg/L		10/12/20 18:12	10/13/20 23:12	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		10/12/20 18:12	10/20/20 16:16	5
Thallium	0.00012	U	0.00050	0.00012	mg/L		10/12/20 18:12	10/13/20 23:12	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00015**	**I**	0.00020	0.000070	mg/L		10/13/20 08:30	10/13/20 13:44	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**90**		5.0	5.0	mg/L			10/16/20 20:21	1
Chloride	**13**		2.0	1.4	mg/L			10/20/20 14:25	1
Fluoride	0.032	U	0.10	0.032	mg/L			10/21/20 14:51	1
Sulfate	**23**		5.0	1.4	mg/L			10/20/20 11:36	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.88**				SU			10/12/20 06:43	1

Qualifiers

Metals

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

General Chemistry

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

Glossary

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

Client Sample ID: EB-03

Lab Sample ID: 400-194247-9

Date Collected: 10/09/20 13:00

Matrix: Water

Date Received: 10/09/20 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			506487	10/12/20 18:12	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	506715	10/13/20 22:29	LDC	TAL PEN
Total Recoverable	Prep	3005A			506487	10/12/20 18:12	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	507590	10/20/20 15:18	LDC	TAL PEN
Total/NA	Prep	7470A			506379	10/13/20 08:30	NET	TAL PEN
Total/NA	Analysis	7470A		1	506663	10/13/20 13:22	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	507023	10/15/20 16:55	DEK	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	507524	10/20/20 14:18	NT	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	507475	10/20/20 11:50	RRC	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		1	507476	10/20/20 11:53	NT	TAL PEN

Client Sample ID: MW-203

Lab Sample ID: 400-194247-10

Date Collected: 10/09/20 12:23

Matrix: Water

Date Received: 10/09/20 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			506487	10/12/20 18:12	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	506715	10/13/20 22:33	LDC	TAL PEN
Total Recoverable	Prep	3005A			506487	10/12/20 18:12	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	507590	10/20/20 15:26	LDC	TAL PEN
Total/NA	Prep	7470A			506379	10/13/20 08:30	NET	TAL PEN
Total/NA	Analysis	7470A		1	506663	10/13/20 13:24	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	507208	10/16/20 20:21	DEK	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	507524	10/20/20 14:18	NT	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	507475	10/20/20 11:55	RRC	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		2	507476	10/20/20 11:57	NT	TAL PEN
Total/NA	Analysis	Field Sampling		1	507990	10/09/20 12:23	IDE	TAL PEN

Client Sample ID: MW-204

Lab Sample ID: 400-194247-11

Date Collected: 10/09/20 12:45

Matrix: Water

Date Received: 10/09/20 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			506487	10/12/20 18:12	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	506715	10/13/20 22:37	LDC	TAL PEN
Total Recoverable	Prep	3005A			506487	10/12/20 18:12	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	507590	10/20/20 15:30	LDC	TAL PEN
Total Recoverable	Prep	3005A			506487	10/12/20 18:12	KWN	TAL PEN
Total Recoverable	Analysis	6020		200	507590	10/20/20 15:49	LDC	TAL PEN
Total/NA	Prep	7470A			506379	10/13/20 08:30	NET	TAL PEN
Total/NA	Analysis	7470A		1	506663	10/13/20 13:26	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	507208	10/16/20 20:21	DEK	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		2	507524	10/20/20 14:39	NT	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	507475	10/20/20 11:59	RRC	TAL PEN

Client Sample ID: MW-204
Date Collected: 10/09/20 12:45
Date Received: 10/09/20 14:45

Lab Sample ID: 400-194247-11
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		10	507476	10/20/20 12:16	NT	TAL PEN
Total/NA	Analysis	Field Sampling		1	507990	10/09/20 12:45	IDE	TAL PEN

Client Sample ID: MW-205
Date Collected: 10/09/20 13:50
Date Received: 10/09/20 14:45

Lab Sample ID: 400-194247-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			506487	10/12/20 18:12	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	506715	10/13/20 22:41	LDC	TAL PEN
Total Recoverable	Prep	3005A			506487	10/12/20 18:12	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	507590	10/20/20 15:53	LDC	TAL PEN
Total/NA	Prep	7470A			506379	10/13/20 08:30	NET	TAL PEN
Total/NA	Analysis	7470A		1	506663	10/13/20 13:28	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	507208	10/16/20 20:21	DEK	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	507524	10/20/20 14:19	NT	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	507475	10/20/20 12:03	RRC	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		5	507476	10/20/20 12:16	NT	TAL PEN
Total/NA	Analysis	Field Sampling		1	507990	10/09/20 13:50	IDE	TAL PEN

Client Sample ID: FB-03
Date Collected: 10/09/20 12:40
Date Received: 10/09/20 14:45

Lab Sample ID: 400-194247-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			506487	10/12/20 18:12	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	506715	10/13/20 22:45	LDC	TAL PEN
Total Recoverable	Prep	3005A			506487	10/12/20 18:12	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	507590	10/20/20 15:57	LDC	TAL PEN
Total/NA	Prep	7470A			506379	10/13/20 08:30	NET	TAL PEN
Total/NA	Analysis	7470A		1	506663	10/13/20 13:30	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	507208	10/16/20 20:21	DEK	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	507524	10/20/20 14:25	NT	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	507475	10/20/20 12:07	RRC	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		1	507476	10/20/20 11:36	NT	TAL PEN

Client Sample ID: MW-202
Date Collected: 10/12/20 07:43
Date Received: 10/12/20 14:30

Lab Sample ID: 400-194247-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			506487	10/12/20 18:12	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	506715	10/13/20 23:08	LDC	TAL PEN

Lab Chronicle

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

Job ID: 400-194247-5
SDG: Upgradient E

Client Sample ID: MW-202

Date Collected: 10/12/20 07:43
Date Received: 10/12/20 14:30

Lab Sample ID: 400-194247-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			506487	10/12/20 18:12	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	507590	10/20/20 16:12	LDC	TAL PEN
Total/NA	Prep	7470A			506379	10/13/20 08:30	NET	TAL PEN
Total/NA	Analysis	7470A		1	506663	10/13/20 13:38	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	507208	10/16/20 20:21	DEK	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	507524	10/20/20 14:25	NT	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	507691	10/21/20 14:47	RRC	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		1	507476	10/20/20 11:53	NT	TAL PEN
Total/NA	Analysis	Field Sampling		1	507990	10/12/20 07:43	IDE	TAL PEN

Client Sample ID: DUP-04

Date Collected: 10/12/20 06:43
Date Received: 10/12/20 14:30

Lab Sample ID: 400-194247-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			506487	10/12/20 18:12	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	506715	10/13/20 23:12	LDC	TAL PEN
Total Recoverable	Prep	3005A			506487	10/12/20 18:12	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	507590	10/20/20 16:16	LDC	TAL PEN
Total/NA	Prep	7470A			506379	10/13/20 08:30	NET	TAL PEN
Total/NA	Analysis	7470A		1	506663	10/13/20 13:44	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	507208	10/16/20 20:21	DEK	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	507524	10/20/20 14:25	NT	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	507691	10/21/20 14:51	RRC	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		1	507476	10/20/20 11:36	NT	TAL PEN
Total/NA	Analysis	Field Sampling		1	507990	10/12/20 06:43	IDE	TAL PEN

Laboratory References:

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

Metals

Prep Batch: 5061Lb

I aD Sample Tx	Client Sample Tx	Prep dype	Matri2	Metho4	Prep Batch
400-194247-9	EB-03	Total/NA	Water	7470A	
400-194247-10	MW-203	Total/NA	Water	7470A	
400-194247-11	MW-204	Total/NA	Water	7470A	
400-194247-12	MW-205	Total/NA	Water	7470A	
400-194247-13	FB-03	Total/NA	Water	7470A	
400-194247-17	MW-202	Total/NA	Water	7470A	
400-194247-18	DUP-04	Total/NA	Water	7470A	
MB 400-506379/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-506379/15-A	Lab Control Sample	Total/NA	Water	7470A	
400-194247-C-3-D MS	Matrix Spike	Total/NA	Water	7470A	
400-194247-C-3-E MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Prep Batch: 50673L

I aD Sample Tx	Client Sample Tx	Prep dype	Matri2	Metho4	Prep Batch
400-194247-9	EB-03	Total Recoverable	Water	3005A	
400-194247-10	MW-203	Total Recoverable	Water	3005A	
400-194247-11	MW-204	Total Recoverable	Water	3005A	
400-194247-12	MW-205	Total Recoverable	Water	3005A	
400-194247-13	FB-03	Total Recoverable	Water	3005A	
400-194247-17	MW-202	Total Recoverable	Water	3005A	
400-194247-18	DUP-04	Total Recoverable	Water	3005A	
MB 400-506487/1-A ^5	Method Blank	Total Recoverable	Water	3005A	
LCS 400-506487/2-A ^5	Lab Control Sample	Total Recoverable	Water	3005A	
400-194247-C-1-C MS ^5	Matrix Spike	Total Recoverable	Water	3005A	
400-194247-C-1-D MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 506661

I aD Sample Tx	Client Sample Tx	Prep dype	Matri2	Metho4	Prep Batch
400-194247-9	EB-03	Total/NA	Water	7470A	506379
400-194247-10	MW-203	Total/NA	Water	7470A	506379
400-194247-11	MW-204	Total/NA	Water	7470A	506379
400-194247-12	MW-205	Total/NA	Water	7470A	506379
400-194247-13	FB-03	Total/NA	Water	7470A	506379
400-194247-17	MW-202	Total/NA	Water	7470A	506379
400-194247-18	DUP-04	Total/NA	Water	7470A	506379
MB 400-506379/14-A	Method Blank	Total/NA	Water	7470A	506379
LCS 400-506379/15-A	Lab Control Sample	Total/NA	Water	7470A	506379
400-194247-C-3-D MS	Matrix Spike	Total/NA	Water	7470A	506379
400-194247-C-3-E MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	506379

Analysis Batch: 506L85

I aD Sample Tx	Client Sample Tx	Prep dype	Matri2	Metho4	Prep Batch
400-194247-9	EB-03	Total Recoverable	Water	6020	506487
400-194247-10	MW-203	Total Recoverable	Water	6020	506487
400-194247-11	MW-204	Total Recoverable	Water	6020	506487
400-194247-12	MW-205	Total Recoverable	Water	6020	506487
400-194247-13	FB-03	Total Recoverable	Water	6020	506487
400-194247-17	MW-202	Total Recoverable	Water	6020	506487
400-194247-18	DUP-04	Total Recoverable	Water	6020	506487
MB 400-506487/1-A ^5	Method Blank	Total Recoverable	Water	6020	506487
LCS 400-506487/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	506487

Metals (Continue4)

Analysis Batch: 506L85 (Continue4)

I aD Sample Tx	Client Sample Tx	Prep dype	Matri2	Metho4	Prep Batch
400-194247-C-1-C MS ^5	Matrix Spike	Total Recoverable	Water	6020	506487
400-194247-C-1-D MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	6020	506487

Analysis Batch: 50L5b0

I aD Sample Tx	Client Sample Tx	Prep dype	Matri2	Metho4	Prep Batch
400-194247-9	EB-03	Total Recoverable	Water	6020	506487
400-194247-10	MW-203	Total Recoverable	Water	6020	506487
400-194247-11	MW-204	Total Recoverable	Water	6020	506487
400-194247-11	MW-204	Total Recoverable	Water	6020	506487
400-194247-12	MW-205	Total Recoverable	Water	6020	506487
400-194247-13	FB-03	Total Recoverable	Water	6020	506487
400-194247-17	MW-202	Total Recoverable	Water	6020	506487
400-194247-18	DUP-04	Total Recoverable	Water	6020	506487
MB 400-506487/1-A ^5	Method Blank	Total Recoverable	Water	6020	506487
LCS 400-506487/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	506487
400-194247-C-1-C MS ^5	Matrix Spike	Total Recoverable	Water	6020	506487
400-194247-C-1-D MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	6020	506487

General Chemistry

Analysis Batch: 50L091

I aD Sample Tx	Client Sample Tx	Prep dype	Matri2	Metho4	Prep Batch
400-194247-9	EB-03	Total/NA	Water	SM 2540C	
MB 400-507023/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-507023/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-194213-D-3 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 50L903

I aD Sample Tx	Client Sample Tx	Prep dype	Matri2	Metho4	Prep Batch
400-194247-10	MW-203	Total/NA	Water	SM 2540C	
400-194247-11	MW-204	Total/NA	Water	SM 2540C	
400-194247-12	MW-205	Total/NA	Water	SM 2540C	
400-194247-13	FB-03	Total/NA	Water	SM 2540C	
400-194247-17	MW-202	Total/NA	Water	SM 2540C	
400-194247-18	DUP-04	Total/NA	Water	SM 2540C	
MB 400-507208/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-507208/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-194247-10 DU	MW-203	Total/NA	Water	SM 2540C	

Analysis Batch: 50L7L5

I aD Sample Tx	Client Sample Tx	Prep dype	Matri2	Metho4	Prep Batch
400-194247-9	EB-03	Total/NA	Water	SM 4500 F C	
400-194247-10	MW-203	Total/NA	Water	SM 4500 F C	
400-194247-11	MW-204	Total/NA	Water	SM 4500 F C	
400-194247-12	MW-205	Total/NA	Water	SM 4500 F C	
400-194247-13	FB-03	Total/NA	Water	SM 4500 F C	
MB 400-507475/14	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-507475/11	Lab Control Sample	Total/NA	Water	SM 4500 F C	
400-194247-B-5 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
400-194247-B-5 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	

General Chemistry

Analysis Batch: 50L7L6

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194247-9	EB-03	Total/NA	Water	SM 4500 SO4 E	
400-194247-10	MW-203	Total/NA	Water	SM 4500 SO4 E	
400-194247-11	MW-204	Total/NA	Water	SM 4500 SO4 E	
400-194247-12	MW-205	Total/NA	Water	SM 4500 SO4 E	
400-194247-13	FB-03	Total/NA	Water	SM 4500 SO4 E	
400-194247-17	MW-202	Total/NA	Water	SM 4500 SO4 E	
400-194247-18	DUP-04	Total/NA	Water	SM 4500 SO4 E	
MB 400-507476/6	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-507476/7	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-507476/3	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-194247-17 MS	MW-202	Total/NA	Water	SM 4500 SO4 E	
400-194247-17 MSD	MW-202	Total/NA	Water	SM 4500 SO4 E	
400-194247-B-1 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
400-194247-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 50L597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194247-9	EB-03	Total/NA	Water	SM 4500 Cl- E	
400-194247-10	MW-203	Total/NA	Water	SM 4500 Cl- E	
400-194247-11	MW-204	Total/NA	Water	SM 4500 Cl- E	
400-194247-12	MW-205	Total/NA	Water	SM 4500 Cl- E	
400-194247-13	FB-03	Total/NA	Water	SM 4500 Cl- E	
400-194247-17	MW-202	Total/NA	Water	SM 4500 Cl- E	
400-194247-18	DUP-04	Total/NA	Water	SM 4500 Cl- E	
MB 400-507524/6	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-507524/7	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-507524/3	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-194247-12 MS	MW-205	Total/NA	Water	SM 4500 Cl- E	
400-194247-12 MSD	MW-205	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 50L6b8

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194247-17	MW-202	Total/NA	Water	SM 4500 F C	
400-194247-18	DUP-04	Total/NA	Water	SM 4500 F C	
MB 400-507691/14	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-507691/11	Lab Control Sample	Total/NA	Water	SM 4500 F C	
400-194247-B-15 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
400-194247-B-15 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	

Field Service / Mobile Lab

Analysis Batch: 50Lbb0

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194247-10	MW-203	Total/NA	Water	Field Sampling	
400-194247-11	MW-204	Total/NA	Water	Field Sampling	
400-194247-12	MW-205	Total/NA	Water	Field Sampling	
400-194247-17	MW-202	Total/NA	Water	Field Sampling	
400-194247-18	DUP-04	Total/NA	Water	Field Sampling	

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 400-506487/1-A ^5
Matrix: Water
Analysis Batch: 506715

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 506487

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		10/12/20 18:12	10/13/20 21:27	5
Arsenic	0.00039	U	0.0013	0.00039	mg/L		10/12/20 18:12	10/13/20 21:27	5
Barium	0.00070	U	0.0025	0.00070	mg/L		10/12/20 18:12	10/13/20 21:27	5
Beryllium	0.00017	U	0.0025	0.00017	mg/L		10/12/20 18:12	10/13/20 21:27	5
Boron	0.018	U	0.050	0.018	mg/L		10/12/20 18:12	10/13/20 21:27	5
Cadmium	0.00028	U	0.0025	0.00028	mg/L		10/12/20 18:12	10/13/20 21:27	5
Calcium	0.13	U	0.25	0.13	mg/L		10/12/20 18:12	10/13/20 21:27	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		10/12/20 18:12	10/13/20 21:27	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		10/12/20 18:12	10/13/20 21:27	5
Lead	0.00029	U	0.0013	0.00029	mg/L		10/12/20 18:12	10/13/20 21:27	5
Lithium	0.0019	U	0.0050	0.0019	mg/L		10/12/20 18:12	10/13/20 21:27	5
Molybdenum	0.0045	U	0.015	0.0045	mg/L		10/12/20 18:12	10/13/20 21:27	5
Thallium	0.00012	U	0.00050	0.00012	mg/L		10/12/20 18:12	10/13/20 21:27	5

Lab Sample ID: MB 400-506487/1-A ^5
Matrix: Water
Analysis Batch: 507590

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 506487

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	0.00082	U	0.0013	0.00082	mg/L		10/12/20 18:12	10/20/20 14:08	5

Lab Sample ID: LCS 400-506487/2-A ^5
Matrix: Water
Analysis Batch: 506715

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 506487

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.0500	0.0524		mg/L		105	80 - 120
Arsenic	0.0500	0.0522		mg/L		104	80 - 120
Barium	0.0500	0.0463		mg/L		93	80 - 120
Beryllium	0.0500	0.0519		mg/L		104	80 - 120
Boron	0.100	0.100		mg/L		100	80 - 120
Cadmium	0.0500	0.0530		mg/L		106	80 - 120
Calcium	5.00	4.67		mg/L		93	80 - 120
Chromium	0.0500	0.0523		mg/L		105	80 - 120
Cobalt	0.0500	0.0521		mg/L		104	80 - 120
Lead	0.0500	0.0513		mg/L		103	80 - 120
Lithium	0.0500	0.0502		mg/L		100	80 - 120
Molybdenum	0.0500	0.0513		mg/L		103	80 - 120
Thallium	0.0100	0.0106		mg/L		106	80 - 120

Lab Sample ID: LCS 400-506487/2-A ^5
Matrix: Water
Analysis Batch: 507590

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 506487

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Selenium	0.0500	0.0521		mg/L		104	80 - 120

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

Lab Sample ID: 400-194247-C-1-C MS ^5
Matrix: Water
Analysis Batch: 506715

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 506487

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.0015	U	0.0500	0.0581		mg/L		116	75 - 125
Arsenic	0.00039	U	0.0500	0.0505		mg/L		101	75 - 125
Barium	0.011		0.0500	0.0558		mg/L		90	75 - 125
Beryllium	0.00017	U	0.0500	0.0522		mg/L		104	75 - 125
Boron	0.025	I	0.100	0.137		mg/L		112	75 - 125
Cadmium	0.00028	U	0.0500	0.0533		mg/L		107	75 - 125
Calcium	0.58		5.00	5.37		mg/L		96	75 - 125
Chromium	0.0010	U	0.0500	0.0521		mg/L		104	75 - 125
Cobalt	0.00056	U	0.0500	0.0526		mg/L		105	75 - 125
Lead	0.00029	U	0.0500	0.0517		mg/L		103	75 - 125
Lithium	0.0019	U	0.0500	0.0531		mg/L		106	75 - 125
Molybdenum	0.0045	U	0.0500	0.0513		mg/L		103	75 - 125
Thallium	0.00012	U	0.0100	0.0107		mg/L		107	75 - 125

Lab Sample ID: 400-194247-C-1-C MS ^5
Matrix: Water
Analysis Batch: 507590

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 506487

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Selenium	0.00082	U	0.0500	0.0522		mg/L		104	75 - 125

Lab Sample ID: 400-194247-C-1-D MSD ^5
Matrix: Water
Analysis Batch: 506715

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 506487

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	0.0545		mg/L		109	75 - 125	6	20
Arsenic	0.00039	U	0.0500	0.0523		mg/L		105	75 - 125	4	20
Barium	0.011		0.0500	0.0542		mg/L		87	75 - 125	3	20
Beryllium	0.00017	U	0.0500	0.0518		mg/L		104	75 - 125	1	20
Boron	0.025	I	0.100	0.134		mg/L		109	75 - 125	2	20
Cadmium	0.00028	U	0.0500	0.0520		mg/L		104	75 - 125	3	20
Calcium	0.58		5.00	5.68		mg/L		102	75 - 125	5	20
Chromium	0.0010	U	0.0500	0.0533		mg/L		107	75 - 125	2	20
Cobalt	0.00056	U	0.0500	0.0514		mg/L		103	75 - 125	2	20
Lead	0.00029	U	0.0500	0.0516		mg/L		103	75 - 125	0	20
Lithium	0.0019	U	0.0500	0.0517		mg/L		103	75 - 125	3	20
Molybdenum	0.0045	U	0.0500	0.0523		mg/L		105	75 - 125	2	20
Thallium	0.00012	U	0.0100	0.0105		mg/L		105	75 - 125	2	20

Lab Sample ID: 400-194247-C-1-D MSD ^5
Matrix: Water
Analysis Batch: 507590

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 506487

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	0.0516		mg/L		103	75 - 125	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 400-506379/14-A
Matrix: Water
Analysis Batch: 506663

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 506379

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000070	U	0.00020	0.000070	mg/L		10/13/20 08:30	10/13/20 12:41	1

Lab Sample ID: LCS 400-506379/15-A
Matrix: Water
Analysis Batch: 506663

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 506379

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00101	0.00118		mg/L		118	80 - 120

Lab Sample ID: 400-194247-C-3-D MS
Matrix: Water
Analysis Batch: 506663

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 506379

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00014	I	0.00201	0.000070	U J3	mg/L		0	80 - 120

Lab Sample ID: 400-194247-C-3-E MSD
Matrix: Water
Analysis Batch: 506663

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 506379

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00014	I	0.00201	0.000070	U J3	mg/L		0	80 - 120	NC	20

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

Lab Sample ID: MB 400-507023/1
Matrix: Water
Analysis Batch: 507023

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			10/15/20 16:55	1

Lab Sample ID: LCS 400-507023/2
Matrix: Water
Analysis Batch: 507023

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	354		mg/L		121	78 - 122

Lab Sample ID: 400-194213-D-3 DU
Matrix: Water
Analysis Batch: 507023

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	82		104	J3	mg/L		24	5

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

Lab Sample ID: MB 400-507208/1
Matrix: Water
Analysis Batch: 507208

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			10/16/20 20:21	1

Lab Sample ID: LCS 400-507208/2
Matrix: Water
Analysis Batch: 507208

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	147	162		mg/L		111	78 - 122

Lab Sample ID: 400-194247-10 DU
Matrix: Water
Analysis Batch: 507208

Client Sample ID: MW-203
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	210		250	J3	mg/L		16	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-507524/6
Matrix: Water
Analysis Batch: 507524

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			10/20/20 14:15	1

Lab Sample ID: LCS 400-507524/7
Matrix: Water
Analysis Batch: 507524

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	30.7		mg/L		102	90 - 110

Lab Sample ID: MRL 400-507524/3
Matrix: Water
Analysis Batch: 507524

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	2.07		mg/L		104	50 - 150

Lab Sample ID: 400-194247-12 MS
Matrix: Water
Analysis Batch: 507524

Client Sample ID: MW-205
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	40		10.0	46.9	J3	mg/L		65	73 - 120

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

Lab Sample ID: 400-194247-12 MSD
Matrix: Water
Analysis Batch: 507524

Client Sample ID: MW-205
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	40		10.0	46.7	J3	mg/L		62	73 - 120	1	8

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-507475/14
Matrix: Water
Analysis Batch: 507475

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.032	U	0.10	0.032	mg/L			10/20/20 10:28	1

Lab Sample ID: LCS 400-507475/11
Matrix: Water
Analysis Batch: 507475

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	4.00	4.33		mg/L		108	90 - 110

Lab Sample ID: 400-194247-B-5 MS
Matrix: Water
Analysis Batch: 507475

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	0.032	U	1.00	1.04		mg/L		104	75 - 125

Lab Sample ID: 400-194247-B-5 MSD
Matrix: Water
Analysis Batch: 507475

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	0.032	U	1.00	1.00		mg/L		100	75 - 125	4	4

Lab Sample ID: MB 400-507691/14
Matrix: Water
Analysis Batch: 507691

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.032	U	0.10	0.032	mg/L			10/21/20 14:20	1

Lab Sample ID: LCS 400-507691/11
Matrix: Water
Analysis Batch: 507691

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	5.00	4.70		mg/L		94	90 - 110

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: 400-194247-B-15 MS
Matrix: Water
Analysis Batch: 507691

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	0.46		1.00	1.45		mg/L		99	75 - 125		

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-507476/6
Matrix: Water
Analysis Batch: 507476

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			10/20/20 11:25	1

Lab Sample ID: LCS 400-507476/7
Matrix: Water
Analysis Batch: 507476

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfate			15.0	15.4		mg/L		103	90 - 110		

Lab Sample ID: MRL 400-507476/3
Matrix: Water
Analysis Batch: 507476

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfate			15.0	15.4		mg/L		103	50 - 150		

Lab Sample ID: 400-194247-17 MS
Matrix: Water
Analysis Batch: 507476

Client Sample ID: MW-202
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfate	24		10.0	31.0	J3	mg/L		73	77 - 128		

Lab Sample ID: 400-194247-17 MSD
Matrix: Water
Analysis Batch: 507476

Client Sample ID: MW-202
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	24		10.0	30.9	J3	mg/L		73	77 - 128	0	5

Lab Sample ID: 400-194247-B-1 MS
Matrix: Water
Analysis Batch: 507476

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	11.4		mg/L		114	77 - 128		

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

Lab Sample ID: 400-194247-B-1 MSD
Matrix: Water
Analysis Batch: 507476

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	11.3		mg/L		113	77 - 128	0	5

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

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Philip Evans / Brett Surles	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-96742-34082.1
Client Contact: Barry Evans	Phone: 850-336-0192	E-Mail: Cheyenne.Whitmire@Eurofinset.com		Page: Page 1 of 1
Company: Gulf Power Company				Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520				
Phone: 850-444-6427(Tel)	PO #: 2000339513			
Email: Barry.Evans@nexteraenergy.com	WO #: 3000004117			
Project Name: CCR Plant Crist	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226, 9320_Ra226, Ra228/Ra226_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N	D	N	N		
[redacted] EB-03	10/9/20	1300	G	Water			X	X	X	X	X	X		
MW-203	10/9/20	1223	G	Water			↓	↓	↓	↓	↓	↓		
MW-204	10/9/20	1245	G	Water			↓	↓	↓	↓	↓	↓		
MW-205	10/9/20	1350	G	Water			↓	↓	↓	↓	↓	↓		
FB-03	10/9/20	1240	G	Water			X	X	X	X	X	X		
				Water										

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 10/9/20 1445	Company: ROU	Received by:	Date/Time: 10/9/20 1445	Company: TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.8C, 5.1C, 6.0C TR

Ver: 01/16/2019

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

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Brett Surles	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-96742-34082.1
Client Contact: Barry Evans	Phone: 850-336-0192	E-Mail: Cheyenne.Whitmire@Eurofinset.com		Page: Page 1 of 1
Company: Gulf Power Company				Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520				
Phone: 850-444-6427(Tel)	PO #: 2000339513			
Email: Barry.Evans@nexteraenergy.com	WO #: 3000004117			
Project Name: CCR Plant Crist	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N	D	N	N		
MW-202	10/12/20	0743	G	Water			X	X	X	X	X	X		
[redacted] Dup-04	10/12/20	0643	G	Water			X	X	X	X	X	X		
[redacted]				Water										
[redacted]				Water										
				Water										
				Water										

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:				
Relinquished by:	Date/Time: 10/12/20 1430	Company RDM	Received by:	Date/Time: 10-12-20 1430	Company ETA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 400-194247-5
SDG Number: Upgradient E

Login Number: 194247
List Number: 1
Creator: Whitley, Adrian

List Source: Eurofins TestAmerica, 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	4.8, 5.1, 0.0°C IR9, 3.9°C, 1.4°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: Gulf Power Company
Pros&RtsBite: CCk Plant Crigt

Job ID: 400-194j 4c-/
BDG: d pArahient .

Laboratory: Eurofins TestAmerica, Pensacola

NIl aRRrehitationgsRertifiRationg 5elh by t5ig laboratory are ligteh6 3 ot all aRRrehitationgsRertifiRationg are appliRable to t5ig report6

Authority	Program	Identification Number	Expiration Date
Nlabama	Btate	401/ 0	02-C0-j 1
N3 NE	IB7 sl. C 1c0j /	Lj 4c1	0j -j O-j O
Nrizona	Btate	NZ0c10	01-1O-j 1
NrQangag D. 8	Btate	FF-02F9	09-0j -j 1
California	Btate	j / 10	02-C0-j 1
(loriha	3 . LNP	. F1010	02-C0-j 1
GeorAia	Btate	. F1010)(LK	02-C0-j 1
Illinoig	3 . LNP	004/ F2	10-09-j 1
Iowa	Btate	C2c	0F-01-j j
Uangag	3 . LNP	. -10j / O	10-O1-j 0
UentuRQy)d BTK	Btate	/ O	02-C0-j 1
UentuRQy)WWK	Btate	UY9F0C0	1j -O1-j 0
Louigiana	3 . LNP	C09c2	02-C0-j 1
Louigiana)DWK	Btate	LN01c	1j -O1-j 0
Marylanh	Btate	j CO	09-C0-j 1
MaggaR5ugettg	Btate	M-(L094	02-C0-j 1
MiR5iAan	Btate	991j	02-C0-j 1
Minnegota	3 . LNP	01j -999-4F1	1j -O1-j 0
3 ew Jergey	3 . LNP	(L002	02-C0-j 1
3 ew YorQ	3 . LNP	1j 11/	04-01-j 1
3 ort5 Carolina)WWsBWK	Btate	O14	1j -O1-j 0
7 Qa5oma	Btate	9F10-1F2	0F-O1-j 1
Penngylvania	3 . LNP	2F-0042c	01-O1-j 1
k 5ohe Iglanh	Btate	LN7 00C0c	1j -C0-j 0
Bout5 Carolina	Btate	920j 200j	02-C0-j 1
Tenneggee	Btate	T3 0j 90c	02-C0-j 1
Texag	3 . LNP	T104c04j F2	09-C0-j 1
d B (ig5 & Wilhlife	d B (eheral ProAramg	0/ F44F	0c-O1-j 1
d BDN	d B (eheral ProAramg	PCC0-1F-0014F	0/ -1c-j 1
VirAinia	3 . LNP	420122	02-14-j 1
Wag5inAton	Btate	C91/	0/ -1/ -j 1
Wegt VirAinia D. P	Btate	1C2	1j -O1-j 0

eurofins | Environment Testing America



ANALYTICAL REPORT

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

Laboratory Job ID: 400-194247-6
Laboratory Sample Delivery Group: Upgradient E
Client Project/Site: CCR Plant Crist

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

Attn: Barry Evans

Cheyenne R Whitmire

Authorized for release by:
12/4/2020 10:39:00 AM

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

LINKS

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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.

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Job ID: 400-194247-6

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-194247-6

RAD

Method 9315: Radium-226 prep batch 160-485393. The Ra-226 matrix spike (MS) is recovering (72%) outside of the control limits of (75-138%). Sample matrix interference and/or non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The data have been reported with this narrative. (410-16486-K-2-D MS)

Method 9315: Radium-226 prep batch 160-485393. 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-204 (400-194247-11), MW-205 (400-194247-12), FB-03 (400-194247-13), (LCS 160-485393/1-A), (MB 160-485393/24-A), (410-16486-K-2-C), (410-16486-K-2-D MS) and (410-16486-H-2-A MSD)

Method 9315: 9315 prep batch: 160-485916. Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. MW-202 (400-194247-17), DUP-04 (400-194247-18), (280-141350-A-4-A), (280-141350-A-4-B MS) and (280-141350-A-4-C MSD)

Method 9315: 9315 Prep Batch: 160-485378. 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-03 (400-194247-9) and MW-203 (400-194247-10)

Method 9320: 9320 Prep batch 160-485401. The following samples have an RER (replicate error ratio) result outside of the acceptance criteria of 1 (1.3) for Ra228. Duplicate precision is demonstrated by acceptable relative percent difference (RPD), within the limit of 40% (37%). The data have been reported with this narrative. (410-16486-H-2-B MSD)

Method 9320: 9320 prep batch 160-485401. 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-204 (400-194247-11), MW-205 (400-194247-12), FB-03 (400-194247-13), (410-16486-K-2-E), (410-16486-K-2-F MS) and (410-16486-H-2-B MSD)

Method 9320: 9320 prep batch 160-485917. Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. MW-202 (400-194247-17), DUP-04 (400-194247-18), (280-141350-A-4-D), (280-141350-A-4-E MS) and (280-141350-A-4-F MSD)

Method 9320: 9320 prep batch 160-485385. 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-03 (400-194247-9) and MW-203 (400-194247-10)

Method PrecSep_0: Radium 228 Prep Batch 160-485385. Insufficient sample volume was available to perform a sample duplicate for the following samples: EB-03 (400-194247-9) and MW-203 (400-194247-10). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep_0: Radium 228 Prep Batch 160-485917. The following samples were prepared at a reduced aliquot to insure sufficient volume remains if needed for reanalysis: MW-202 (400-194247-17) and DUP-04 (400-194247-18).

Method PrecSep-21: Radium 226 Prep Batch 160-485378. Insufficient sample volume was available to perform a sample duplicate for the following samples: EB-03 (400-194247-9) and MW-203 (400-194247-10). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep-21: Radium 226 Prep Batch 160-485916. The following samples were prepared at a reduced aliquot to insure sufficient volume remains if needed for reanalysis: MW-202 (400-194247-17) and DUP-04 (400-194247-18).

Job ID: 400-194247-6 (Continued)

Laboratory: Eurofins TestAmerica, Pensacola (Continued)

Method Summary

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

Job ID: 400-194247-6
SDG: Upgradient E

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

Protocol References:

None = None

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

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

Laboratory References:

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

Sample Summary

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

Job ID: 400-194247-5
SDG: Upgradient E

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-194247-9	EB-03	Water	10/09/20 13:00	10/09/20 14:4M	
400-194247-10	F W-203	Water	10/09/20 12:23	10/09/20 14:4M	
400-194247-11	F W-204	Water	10/09/20 12:4M	10/09/20 14:4M	
400-194247-12	F W-20M	Water	10/09/20 13:M0	10/09/20 14:4M	
400-194247-13	8B-03	Water	10/09/20 12:40	10/09/20 14:4M	
400-194247-17	F W-202	Water	10/12/20 07:43	10/12/20 14:30	
400-194247-16	DUP-04	Water	10/12/20 05:43	10/12/20 14:30	

Client Sample ID: EB-03

Date Collected: 10/09/20 13:00
Date Received: 10/09/20 14:45

Lab Sample ID: 400-194247-9

Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0513	U	0.133	0.133	1.00	0.243	pCi/L	10/13/20 13:16	11/26/20 10:30	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.6*		*40 - 110*	*10/13/20 13:16*	*11/26/20 10:30*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.483**		0.278	0.281	1.00	0.415	pCi/L	10/13/20 13:46	11/24/20 11:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.6*		*40 - 110*	*10/13/20 13:46*	*11/24/20 11:41*	*1*
Y Carrier	*84.1*		*40 - 110*	*10/13/20 13:46*	*11/24/20 11:41*	*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	**0.534**		0.308	0.311	5.00	0.415	pCi/L		12/02/20 22:43	1

Client Sample ID: MW-203

Date Collected: 10/09/20 12:23
Date Received: 10/09/20 14:45

Lab Sample ID: 400-194247-10

Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.971		0.273	0.286	1.00	0.270	pCi/L	10/13/20 13:16	11/26/20 10:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.1*		*40 - 110*	*10/13/20 13:16*	*11/26/20 10:31*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.58		0.445	0.504	1.00	0.462	pCi/L	10/13/20 13:46	11/24/20 11:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.1*		*40 - 110*	*10/13/20 13:46*	*11/24/20 11:41*	*1*
Y Carrier	*83.0*		*40 - 110*	*10/13/20 13:46*	*11/24/20 11:41*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	3.55		0.522	0.579	5.00	0.462	pCi/L		12/02/20 22:43	1

Client Sample ID: MW-204

Date Collected: 10/09/20 12:45
Date Received: 10/09/20 14:45

Lab Sample ID: 400-194247-11

Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.944		0.283	0.296	1.00	0.228	pCi/L	10/13/20 14:44	11/11/20 09:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.1*		*40 - 110*	*10/13/20 14:44*	*11/11/20 09:13*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	7.18	F	0.671	0.942	1.00	0.458	pCi/L	10/13/20 15:21	11/10/20 12:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.1*		*40 - 110*	*10/13/20 15:21*	*11/10/20 12:26*	*1*
Y Carrier	*80.0*		*40 - 110*	*10/13/20 15:21*	*11/10/20 12:26*	*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	8.13		0.728	0.987	5.00	0.458	pCi/L		11/30/20 22:12	1

Client Sample ID: MW-205

Date Collected: 10/09/20 13:50
Date Received: 10/09/20 14:45

Lab Sample ID: 400-194247-12

Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.08		0.355	0.368	1.00	0.361	pCi/L	10/13/20 14:44	11/11/20 09:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*68.6*		*40 - 110*	*10/13/20 14:44*	*11/11/20 09:13*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.16	F	0.429	0.442	1.00	0.593	pCi/L	10/13/20 15:21	11/10/20 12:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*68.6*		*40 - 110*	*10/13/20 15:21*	*11/10/20 12:26*	*1*
Y Carrier	*81.9*		*40 - 110*	*10/13/20 15:21*	*11/10/20 12:26*	*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	2.24		0.557	0.575	5.00	0.593	pCi/L		11/30/20 22:12	1

Client Sample ID: FB-03

Date Collected: 10/09/20 12:40
Date Received: 10/09/20 14:45

Lab Sample ID: 400-194247-13

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	-0.0334	U	0.171	0.171	1.00	0.375	pCi/L	10/13/20 14:44	11/11/20 09:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*55.6*		*40 - 110*	*10/13/20 14:44*	*11/11/20 09:13*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.230	U F	0.379	0.379	1.00	0.721	pCi/L	10/13/20 15:21	11/10/20 12:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*55.6*		*40 - 110*	*10/13/20 15:21*	*11/10/20 12:26*	*1*
Y Carrier	*82.2*		*40 - 110*	*10/13/20 15:21*	*11/10/20 12:26*	*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	-0.264	U	0.416	0.416	5.00	0.721	pCi/L		11/30/20 22:12	1

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

Job ID: 400-194247-6
SDG: Upgradient E

Client Sample ID: MW-202

Date Collected: 10/12/20 07:43
Date Received: 10/12/20 14:30

Lab Sample ID: 400-194247-17

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	1.05		0.335	0.348	1.00	0.280	pCi/L	10/16/20 07:53	11/14/20 11:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.1*		*40 - 110*	*10/16/20 07:53*	*11/14/20 11:02*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.803		0.420	0.426	1.00	0.622	pCi/L	10/16/20 08:18	11/13/20 11:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.1*		*40 - 110*	*10/16/20 08:18*	*11/13/20 11:50*	*1*
Y Carrier	*77.4*		*40 - 110*	*10/16/20 08:18*	*11/13/20 11:50*	*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	1.86		0.537	0.550	5.00	0.622	pCi/L		11/16/20 20:38	1

Client Sample ID: DUP-04

Date Collected: 10/12/20 06:43
Date Received: 10/12/20 14:30

Lab Sample ID: 400-194247-18

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	0.675		0.281	0.288	1.00	0.285	pCi/L	10/16/20 07:53	11/14/20 11:02	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.8*		*40 - 110*	*10/16/20 07:53*	*11/14/20 11:02*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.625		0.394	0.399	1.00	0.609	pCi/L	10/16/20 08:18	11/13/20 11:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.8*		*40 - 110*	*10/16/20 08:18*	*11/13/20 11:51*	*1*
Y Carrier	*89.3*		*40 - 110*	*10/16/20 08:18*	*11/13/20 11:51*	*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	1.30		0.484	0.492	5.00	0.609	pCi/L		11/16/20 20:38	1

Qualifiers

Rad

Qualifier	Qualifier Description
F	MS/MSD Recovery and/or RPD exceeds the control limits
F1	MS and/or MSD recovery exceeds control limits.
U	Result is less than the sample detection limit.

Glossary

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

Client Sample ID: EB-03
Date Collected: 10/09/20 13:00
Date Received: 10/09/20 14:45

Lab Sample ID: 400-194247-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			485378	10/13/20 13:16	AVB	TAL SL
Total/NA	Analysis	9315		1	490292	11/26/20 10:30	CMM	TAL SL
Total/NA	Prep	PrecSep_0			485385	10/13/20 13:46	AVB	TAL SL
Total/NA	Analysis	9320		1	490121	11/24/20 11:41	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	490775	12/02/20 22:43	GRW	TAL SL

Client Sample ID: MW-203
Date Collected: 10/09/20 12:23
Date Received: 10/09/20 14:45

Lab Sample ID: 400-194247-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			485378	10/13/20 13:16	AVB	TAL SL
Total/NA	Analysis	9315		1	490292	11/26/20 10:31	CMM	TAL SL
Total/NA	Prep	PrecSep_0			485385	10/13/20 13:46	AVB	TAL SL
Total/NA	Analysis	9320		1	490121	11/24/20 11:41	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	490775	12/02/20 22:43	GRW	TAL SL

Client Sample ID: MW-204
Date Collected: 10/09/20 12:45
Date Received: 10/09/20 14:45

Lab Sample ID: 400-194247-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			485393	10/13/20 14:44	AVB	TAL SL
Total/NA	Analysis	9315		1	488915	11/11/20 09:13	SCB	TAL SL
Total/NA	Prep	PrecSep_0			485401	10/13/20 15:21	AVB	TAL SL
Total/NA	Analysis	9320		1	488777	11/10/20 12:26	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	490593	11/30/20 22:12	SCB	TAL SL

Client Sample ID: MW-205
Date Collected: 10/09/20 13:50
Date Received: 10/09/20 14:45

Lab Sample ID: 400-194247-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			485393	10/13/20 14:44	AVB	TAL SL
Total/NA	Analysis	9315		1	488915	11/11/20 09:13	SCB	TAL SL
Total/NA	Prep	PrecSep_0			485401	10/13/20 15:21	AVB	TAL SL
Total/NA	Analysis	9320		1	488777	11/10/20 12:26	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	490593	11/30/20 22:12	SCB	TAL SL

Lab Chronicle

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

Job ID: 400-194247-6
SDG: Upgradient E

Client Sample ID: FB-03
Date Collected: 10/09/20 12:40
Date Received: 10/09/20 14:45

Lab Sample ID: 400-194247-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			485393	10/13/20 14:44	AVB	TAL SL
Total/NA	Analysis	9315		1	488915	11/11/20 09:13	SCB	TAL SL
Total/NA	Prep	PrecSep_0			485401	10/13/20 15:21	AVB	TAL SL
Total/NA	Analysis	9320		1	488777	11/10/20 12:26	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	490593	11/30/20 22:12	SCB	TAL SL

Client Sample ID: MW-202
Date Collected: 10/12/20 07:43
Date Received: 10/12/20 14:30

Lab Sample ID: 400-194247-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			485916	10/16/20 07:53	AVB	TAL SL
Total/NA	Analysis	9315		1	489050	11/14/20 11:02	FLC	TAL SL
Total/NA	Prep	PrecSep_0			485917	10/16/20 08:18	AVB	TAL SL
Total/NA	Analysis	9320		1	489049	11/13/20 11:50	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	489283	11/16/20 20:38	GRW	TAL SL

Client Sample ID: DUP-04
Date Collected: 10/12/20 06:43
Date Received: 10/12/20 14:30

Lab Sample ID: 400-194247-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			485916	10/16/20 07:53	AVB	TAL SL
Total/NA	Analysis	9315		1	489050	11/14/20 11:02	FLC	TAL SL
Total/NA	Prep	PrecSep_0			485917	10/16/20 08:18	AVB	TAL SL
Total/NA	Analysis	9320		1	489049	11/13/20 11:51	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	489283	11/16/20 20:38	GRW	TAL SL

Laboratory References:

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

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Prep Batch: 485378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194247-9	EB-03	Total/NA	Water	PrecSep-21	
400-194247-10	MW-203	Total/NA	Water	PrecSep-21	
MB 160-485378/23-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-485378/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-485378/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 485385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194247-9	EB-03	Total/NA	Water	PrecSep_0	
400-194247-10	MW-203	Total/NA	Water	PrecSep_0	
MB 160-485385/23-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-485385/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-485385/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Prep Batch: 485393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194247-11	MW-204	Total/NA	Water	PrecSep-21	
400-194247-12	MW-205	Total/NA	Water	PrecSep-21	
400-194247-13	FB-03	Total/NA	Water	PrecSep-21	
MB 160-485393/24-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-485393/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
410-16486-H-2-A MSD	Matrix Spike Duplicate	Total/NA	Water	PrecSep-21	
410-16486-K-2-D MS	Matrix Spike	Total/NA	Water	PrecSep-21	

Prep Batch: 485401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194247-11	MW-204	Total/NA	Water	PrecSep_0	
400-194247-12	MW-205	Total/NA	Water	PrecSep_0	
400-194247-13	FB-03	Total/NA	Water	PrecSep_0	
MB 160-485401/24-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-485401/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
410-16486-H-2-B MSD	Matrix Spike Duplicate	Total/NA	Water	PrecSep_0	
410-16486-K-2-F MS	Matrix Spike	Total/NA	Water	PrecSep_0	

Prep Batch: 485916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194247-17	MW-202	Total/NA	Water	PrecSep-21	
400-194247-18	DUP-04	Total/NA	Water	PrecSep-21	
MB 160-485916/24-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-485916/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
280-141350-A-4-B MS	Matrix Spike	Total/NA	Water	PrecSep-21	
280-141350-A-4-C MSD	Matrix Spike Duplicate	Total/NA	Water	PrecSep-21	

Prep Batch: 485917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194247-17	MW-202	Total/NA	Water	PrecSep_0	
400-194247-18	DUP-04	Total/NA	Water	PrecSep_0	
MB 160-485917/24-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-485917/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
280-141350-A-4-E MS	Matrix Spike	Total/NA	Water	PrecSep_0	
280-141350-A-4-F MSD	Matrix Spike Duplicate	Total/NA	Water	PrecSep_0	

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-485378/23-A
Matrix: Water
Analysis Batch: 490292

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 485378

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.05976	U	0.120	0.120	1.00	0.216	pCi/L	10/13/20 13:16	11/26/20 10:31	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*5686*		*40 - 110*	*10/13/20 1391:*	*11/2: /20 10931*	*1*

Lab Sample ID: LCS 160-485378/1-A
Matrix: Water
Analysis Batch: 490561

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 485378

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-226			11.3	10.99		1.17	1.00	0.147	pCi/L	97	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*5483*		*40 - 110*

Lab Sample ID: LCSD 160-485378/2-A
Matrix: Water
Analysis Batch: 490273

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 485378

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Radium-226			11.3	9.702		1.18	1.00	0.208	pCi/L	86	75 - 125	0.55	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*5. 83*		*40 - 110*

Lab Sample ID: MB 160-485393/24-A
Matrix: Water
Analysis Batch: 488915

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 485393

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.02156	U	0.0163	0.0164	1.00	0.0228	pCi/L	10/13/20 14:44	11/11/20 11:41	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*5286*		*40 - 110*	*10/13/20 14944*	*11/11/20 11941*	*1*

Lab Sample ID: LCS 160-485393/1-A
Matrix: Water
Analysis Batch: 488915

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 485393

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-226			11.3	10.13		1.26	1.00	0.221	pCi/L	89	75 - 125		

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

Lab Sample ID: LCS 160-485393/1-A
Matrix: Water
Analysis Batch: 488915

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 485393

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	5085		40 - 110

Lab Sample ID: 410-16486-H-2-A MSD
Matrix: Water
Analysis Batch: 488915

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 485393

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Radium-226	0.173	U	11.4	8.749		1.11	1.00	0.224	pCi/L	76	75 - 138	0.17	1

Carrier	MSD %Yield	MSD Qualifier	Limits
Ba Carrier	578		40 - 110

Lab Sample ID: 410-16486-K-2-D MS
Matrix: Water
Analysis Batch: 488915

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 485393

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits
Radium-226	0.173	U	11.3	8.373	F1	1.08	1.00	0.217	pCi/L	72	75 - 138

Carrier	MS %Yield	MS Qualifier	Limits
Ba Carrier	548		40 - 110

Lab Sample ID: MB 160-485916/24-A
Matrix: Water
Analysis Batch: 489050

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 485916

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.2458	U	0.225	0.226	1.00	0.344	pCi/L	10/16/20 07:53	11/14/20 11:02	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	5482		40 - 110	10/1: /20 0795 3	11/14/20 1190 2	1

Lab Sample ID: LCS 160-485916/1-A
Matrix: Water
Analysis Batch: 489050

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 485916

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits
Radium-226	15.1	13.16		1.69	1.00	0.318	pCi/L	87	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	7: 80		40 - 110

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

Lab Sample ID: 280-141350-A-4-B MS
Matrix: Water
Analysis Batch: 489050

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 485916

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-226	0.301	U	15.1	16.14		1.93	1.00	0.356	pCi/L	105	75 - 138		

Carrier	*MS %Yield*	*MS Qualifier*	*Limits*
Ba Carrier	*54*	*5*	*40 - 110*

Lab Sample ID: 280-141350-A-4-C MSD
Matrix: Water
Analysis Batch: 489050

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 485916

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Radium-226	0.301	U	15.1	13.85		1.70	1.00	0.296	pCi/L	90	75 - 138	0.63	1

Carrier	*MSD %Yield*	*MSD Qualifier*	*Limits*
Ba Carrier	*538*		*40 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-485385/23-A
Matrix: Water
Analysis Batch: 490121

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 485385

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.02719	U	0.241	0.241	1.00	0.438	pCi/L	10/13/20 13:46	11/24/20 11:41	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*568*	*6*	*40 - 110*	*10/13/20 1394:*	*11/24/20 1194:1*	*1*
Y Carrier	*538*	*4*	*40 - 110*	*10/13/20 1394:*	*11/24/20 1194:1*	*1*

Lab Sample ID: LCS 160-485385/1-A
Matrix: Water
Analysis Batch: 490120

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 485385

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-228			7.63	7.221		0.933	1.00	0.488	pCi/L	95	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*548*	*3*	*40 - 110*
Y Carrier	*538*	*0*	*40 - 110*

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

Lab Sample ID: LCSD 160-485385/2-A
Matrix: Water
Analysis Batch: 490120

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 485385

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Radium-228			7.63	6.027		0.817	1.00	0.466	pCi/L	79	75 - 125	0.68	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*5. 83*		*40 - 110*
Y Carrier	*5084*		*40 - 110*

Lab Sample ID: MB 160-485401/24-A
Matrix: Water
Analysis Batch: 488781

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 485401

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.006908	U	0.0257	0.0257	1.00	0.0472	pCi/L	10/13/20 15:21	11/10/20 12:37	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*5286*		*40 - 110*	*10/13/20 1692 1*	*11/10/20 1293 7*	*1*
Y Carrier	*5: 80*		*40 - 110*	*10/13/20 1692 1*	*11/10/20 1293 7*	*1*

Lab Sample ID: LCS 160-485401/1-A
Matrix: Water
Analysis Batch: 488777

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 485401

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-228			7.67	7.750		0.992	1.00	0.467	pCi/L	101	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*5085*		*40 - 110*
Y Carrier	*548*		*40 - 110*

Lab Sample ID: 410-16486-H-2-B MSD
Matrix: Water
Analysis Batch: 488777

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 485401

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Radium-228	0.547	F	7.67	6.153	F	0.836	1.00	0.465	pCi/L	73	45 - 150	1.30	1

Carrier	*MSD %Yield*	*MSD Qualifier*	*Limits*
Ba Carrier	*578*		*40 - 110*
Y Carrier	*518*		*40 - 110*

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

Lab Sample ID: 410-16486-K-2-F MS
Matrix: Water
Analysis Batch: 488777

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 485401

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits
Radium-228	0.547	F	7.67	4.219		0.652	1.00	0.430	pCi/L	48	45 - 150

Carrier	*MS %Yield*	*MS Qualifier*	*Limits*
Ba Carrier	*548*		*40 - 110*
Y Carrier	*5186*		*40 - 110*

Lab Sample ID: MB 160-485917/24-A
Matrix: Water
Analysis Batch: 489049

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 485917

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2636	U	0.331	0.331	1.00	0.548	pCi/L	10/16/20 08:18	11/13/20 11:51	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*5482*		*40 - 110*	*10/1: /20 05915*	*11/13/20 11951*	*1*
Y Carrier	*558*		*40 - 110*	*10/1: /20 05915*	*11/13/20 11951*	*1*

Lab Sample ID: LCS 160-485917/1-A
Matrix: Water
Analysis Batch: 489048

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 485917

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits
Radium-228			10.2	11.09		1.42	1.00	0.727	pCi/L	109	75 - 125

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*7: 80*		*40 - 110*
Y Carrier	*5387*		*40 - 110*

Lab Sample ID: 280-141350-A-4-E MS
Matrix: Water
Analysis Batch: 489048

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 485917

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits
Radium-228	0.425	U	10.2	11.59		1.42	1.00	0.564	pCi/L	109	45 - 150

Carrier	*MS %Yield*	*MS Qualifier*	*Limits*
Ba Carrier	*5485*		*40 - 110*
Y Carrier	*5387*		*40 - 110*

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

Lab Sample ID: 280-141350-A-4-F MSD
Matrix: Water
Analysis Batch: 489048

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 485917

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Radium-228	0.425	U	10.2	12.03		1.47	1.00	0.624	pCi/L	114	45 - 150	0.15	1

Carrier	*MSD %Yield*	*MSD Qualifier*	*Limits*
Ba Carrier	*538*		*40 - 110*
Y Carrier	*538*		*40 - 110*

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

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Philip Evans / Brett Surles	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-96742-34082.1
Client Contact: Barry Evans	Phone: 850-336-0192	E-Mail: Cheyenne.Whitmire@Eurofinset.com		Page: Page 1 of 1
Company: Gulf Power Company				Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520				
Phone: 850-444-6427(Tel)	PO #: 2000339513			
Email: Barry.Evans@nexteraenergy.com	WO #: 3000004117			
Project Name: CCR Plant Crist	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226, 9320_Ra226, Ra228Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N	D	N	N		
[redacted] EB-03	10/9/20	1300	G	Water			X	X	X	X	X	X		
MW-203	10/9/20	1223	G	Water			↓	↓	↓	↓	↓	↓		
MW-204	10/9/20	1245	G	Water			↓	↓	↓	↓	↓	↓		
MW-205	10/9/20	1350	G	Water			↓	↓	↓	↓	↓	↓		
FB-03	10/9/20	1240	G	Water			X	X	X	X	X	X		
				Water										

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
		10/9/20 1445	ROU		10/9/20 1445	Test
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.8C, 5.1C, 0.0C TR

Ver: 01/16/2019

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

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Brett Surles	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-96742-34082.1
Client Contact: Barry Evans	Phone: 850-336-0192	E-Mail: Cheyenne.Whitmire@Eurofinset.com		Page: Page 1 of 1
Company: Gulf Power Company				Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520				
Phone: 850-444-6427(Tel)	PO #: 2000339513			
Email: Barry.Evans@nexteraenergy.com	WO #: 3000004117			
Project Name: CCR Plant Crist	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N	D	N	N		
MW-202	10/12/20	0743	G	Water			X	X	X	X	X	X		
[redacted] Dup-04	10/12/20	0643	G	Water			X	X	X	X	X	X		
[redacted]				Water										
[redacted]				Water										
				Water										
				Water										

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:				
Relinquished by:	Date/Time: 10/12/20 1430	Company RDM	Received by:	Date/Time: 10-12-20 1430	Company ETA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 400-194247-5
SDG Number: Upgradient E

Login Number: 194247
List Number: 1
Creator: Whitley, Adrian

List Source: Eurofins TestAmerica, 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	4.8, °.1, 0.0IC 3R9, Q9IC, 1.4IC 3R-9
CF C is present.	True	
CF C is filled out in ink and legible.	True	
CF C is filled out with all pertinent information.	True	
3s the ?ield Sampler's name present on CF CH	True	
There are no discrepancies between the containers received and the CF C.	True	
Samples are received within (olding Time xe) cluding tests with immediate (TsV	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 qerified.	True	
There is sufficient vol. for all reMuested analyses, incl. any reMuested z S/z SDs	True	
Containers reMuiring 6ero headspace have no headspace or bubble is <5mm x1/4"V	N/A	
z ultiphasic samples are not present.	True	
Samples do not reMuire splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

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

Job ID: 400-194247-6
SDG: Upgradient E

Laboratory: Eurofins TestAmerica, StPLouis

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

Autl ority	hrogram	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-22
ANAB	Dept. of Defense ELAP	L2305	04-06-22
ANAB	Dept. of Energy	L2305.01	04-06-22
ANAB	ISO/IEC 17025	L2305	04-06-22
Arizona	State	AZ0813	12-08-20
California	Los Angeles County Sanitation Districts	10259	06-30-21
California	State	2886	06-30-21
Connecticut	State	PH-0241	03-31-21
Florida	NELAP	E87689	06-30-21
HI - RadChem Recognition	State	n/a	06-30-21
Illinois	NELAP	004553	11-30-20 *
Iowa	State	373	11-30-21
Kentucky (DW)	State	KY90125	12-31-20
Louisiana	NELAP	04080	06-30-21
Louisiana (DW)	State	LA011	12-31-20
Maryland	State	310	09-30-21
MI - RadChem Recognition	State	9005	06-30-21
Missouri	State	780	06-30-22
Nevada	State	MO000542020-1	07-31-21
New Jersey	NELAP	MO002	06-30-21
New York	NELAP	11616	04-01-21
North Dakota	State	R-207	06-30-21
NRC	NRC	24-24817-01	12-31-22
Oklahoma	State	9997	08-31-21
Oregon	NELAP	4157	09-01-21
Pennsylvania	NELAP	68-00540	02-28-21
South Carolina	State	85002001	06-30-21
Texas	NELAP	T104704193-19-13	07-31-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-17-00028	03-11-23
Utah	NELAP	MO000542019-11	07-31-21
Virginia	NELAP	10310	06-14-21
Washington	State	C592	08-30-21
West Virginia DEP	State	381	10-31-21

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

eurofins | Environment Testing America



ANALYTICAL REPORT

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

Laboratory Job ID: 400-194247-7
Laboratory Sample Delivery Group: Downgradient D
Client Project/Site: CCR Plant Crist
Revision: 1

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

Attn: Barry Evans

Mark Swafford

Authorized for release by:
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LINKS

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

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

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Certification Summary 25

Job ID: 400-194247-7

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-194247-7

The report was report an additional MSD to the Fluoride batch 507691 which was accidently not spiked during the initial analysis.

Metals
Method 6020: The ICV for batch 400-506715 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 400-506715/10)

Method 7470A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-506379 and analytical batch 400-506663 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 7470A: The method blank for preparation batch 400-506380 and analytical batch 400-506663contained Mercury above the method detection limit. This target analyte concentration was less than the practical quantitation limit (PQL); therefore, re-extraction and_or re-analysis of samples was not performed.

General Chemistry
Method SM 2540C: The sample duplicate (DUP) precision for analytical batch 400-507208 was outside control limits. Sample non-homogeneity is suspected.

Method SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-507476 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 following samples were diluted to bring the concentration of target analytes within the calibration range: MW-200 (400-194247-14), MW-201 (400-194247-15) and MW-206 (400-194247-16). Elevated reporting limits (RLs) are provided.

Method SM 4500 F C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-507691 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

5Cent GCf oPiw5or mpea
fwogjdnEylni : 55j f Cen5wcn

Job ID: 400-194247-7
yDt : DoPeSvpUi enD

Client Sample ID: MW-200 — Lab Sample ID: 400-194247-14

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
/pwG	0R02s		0R002s	0R00070	r SEB	s		8020	.orpC j idoLivpbC
/owoe	TR0		1R0	0RT8	r SEB	100		8020	.orpC j idoLivpbC
5pCdlG	74		0R2s	0RtT	r SEB	s		8020	.orpC j idoLivpbC
BipU	0R00T4	I	0R001T	0R00029	r SEB	s		8020	.orpC j idoLivpbC
yiCelG	0R002s		0R001T	0R000v2	r SEB	s		8020	.orpC j idoLivpbC
.6pCCG	0R00014	I	0R000s0	0R00012	r SEB	s		8020	.orpC j idoLivpbC
AiwdGva	0R00017	I	0R00020	0R000070	r SEB	1		7470h	.orpC3h
.orpCDlccoCiUyoCUc	800		sR0	sR0	r SEB	1		yA 2s405	.orpC3h
56GowUi	1T0		10	7R0	r SEB	s		yA 4s00 5CN	.orpC3h
yGQpni	84		10	2Rv	r SEB	2		yA 4s00 yM4 N	.orpC3h
CiiCJmF	sRT0			yH		1		CiiCJypr mCeS	.orpC3h

Client Sample ID: MW-201 — Lab Sample ID: 400-194247-15

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
/pwG	0R0Tv		0R002s	0R00070	r SEB	s		8020	.orpC j idoLivpbC
/owoe	TRT		1R0	0RT8	r SEB	100		8020	.orpC j idoLivpbC
5pUrlG	0R001s	I	0R002s	0R0002v	r SEB	s		8020	.orpC j idoLivpbC
5pCdlG	sv		0R2s	0RtT	r SEB	s		8020	.orpC j idoLivpbC
56vorlG	0R0011	I	0R002s	0R0010	r SEB	s		8020	.orpC j idoLivpbC
5obpCa	0R0014	I	0R002s	0R000s8	r SEB	s		8020	.orpC j idoLivpbC
BipU	0R000s0	I	0R001T	0R00029	r SEB	s		8020	.orpC j idoLivpbC
Bln6lG	0R0028	I	0R00s0	0R0019	r SEB	s		8020	.orpC j idoLivpbC
yiCelG	0R00T0		0R001T	0R000v2	r SEB	s		8020	.orpC j idoLivpbC
.6pCCG	0R002s	I	0R000s0	0R00012	r SEB	s		8020	.orpC j idoLivpbC
AiwdGva	0R00028		0R00020	0R000070	r SEB	1		7470h	.orpC3h
.orpCDlccoCiUyoCUc	480		sR0	sR0	r SEB	1		yA 2s405	.orpC3h
56GowUi	v2		4R0	2Rv	r SEB	2		yA 4s00 5CN	.orpC3h
OCGowUi	0R48		0R10	0R0T2	r SEB	1		yA 4s00 O5	.orpC3h
yGQpni	110		2s	7R0	r SEB	s		yA 4s00 yM4 N	.orpC3h
CiiCJmF	4Rs8			yH		1		CiiCJypr mCeS	.orpC3h

Client Sample ID: MW-206 — Lab Sample ID: 400-194247-16

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
hwcield	0R0017		0R001T	0R000T9	r SEB	s		8020	.orpC j idoLivpbC
/pwG	0R0s1		0R002s	0R00070	r SEB	s		8020	.orpC j idoLivpbC
/owoe	17		2R0	0R72	r SEB	200		8020	.orpC j idoLivpbC

.6lc Dinidrhoe yGr pvaUoic eonledCCUi vpUiod6ir ldpCicnwvcGCcR

NGwoulec .icmhr iwdp, fiecpdoCp

Client Sample ID: MW-206 (Continued)

Lab Sample ID: 400-194247-16

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
5pCIG	T00		10	sR	r SB	200		8020	.orpC j idoLivpbC
5obpC	0R019	I	0R02s	0R00s8	r SB	s		8020	.orpC j idoLivpbC
BipU	0R00vs	I	0R01T	0R0029	r SB	s		8020	.orpC j idoLivpbC
yiCelG	0R071		0R01T	0R00v2	r SB	s		8020	.orpC j idoLivpbC
.6pCCG	0R00TT	I	0R00s0	0R0012	r SB	s		8020	.orpC j idoLivpbC
.orpCDlccoCi UyoCUc	2200		10	10	r SB	1		yA 2s405	.orpCB h
56GwUi	810		40	2v	r SB	20		yA 4s00 5GN	.orpCB h
OCGowUi	0R40	I	0R10	0RT2	r SB	1		yA 4s00 O5	.orpCB h
yGQpri	2T0		s0	14	r SB	10		yA 4s00 yM4 N	.orpCB h
CiCUmF	4Rv2				yH	1		CiCUypr mCeS	.orpCB h

. 6lc Di ni drloe yGr r pva Uoi c eonledCUi vpUiod6i r ldpCi cnwi cGCcR

NGwoulec . i cmh r i wdp, f i ecpdoC

Method Summary

5Cent GCof oPiw5or mpea
fwogjdnEylni : 55j f Cpen5wcn

Job ID: 400-194247-7
yDt : DoPeSvpUlienD

Method	Method Description	Protocol	Laboratory
s020	WirpC85fEVy6	y/ R4s	M( ) f TA
7470(	WiwdGva85L((6	y/ R4s	M( ) f TA
yW2N405	yoCUcVMorpCDIccoCiU8MDy6	yW	M( ) f TA
yW4N005GT	5vGowUiVMorpC	yW	M( ) f TA
yW4N00h5	hCGowUi	yW	M( ) f TA
yW4N00yF4T	yGCpriVMorpC	yW	M( ) f TA
hliCUypr mCeS	hliCUypr mCeS	Tf(	M( ) f TA
C00N(	fwirnpvprnoeVMorpCj ido,iwpbCowDIccoCiUWirpC	y/ R4s	M( ) f TA
7470(	fwirnpvprnoeVWiwdGva	y/ R4s	M( ) f TA

Protocol References:

Tf(3=y Te,lwoer ierpCfworindrnoe(Sieda

yW3"ypeUpwUWirvoUchowMvi Txpr lepnoeFu/ priw(eU/ pcriPpriw

y/ R4s 3"MlcnWirvoUchowT,pCGprieSyoCU/ pcriVfvacldpC5virldpCOWirvoUc"VMvlwUTUnoeVAo,irbiw19Rs(eUlnc=mUpnic.

Laboratory References:

M( ) f TA 3 TGwoulecMlcn(riwdpVfiecpdoCpVCCNNWd)irowiDw,iVfiecpdoCpVh) C2N14VMT) 8RN06474-1001

Sample Summary

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

Job ID: 400-194247-7
SDG: Downgradient D

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-194247-14	MW-200	Water	10/12/20 09:32	10/12/20 14:30	
400-194247-15	MW-201	Water	10/12/20 09:00	10/12/20 14:30	
400-194247-16	MW-206	Water	10/12/20 08:43	10/12/20 14:30	

Client Sample Results

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

Job ID: 400-194247-7
SDG: Downgradient D

Client Sample ID: r x -M00
Date Cdlle/ te7: 102lM2M0 09:vM
Date Re/ ei5e7: 102lM2M0 14:v0

Lab Sample ID: 400-194M4W14
r atdc: x ateo

r ethd7: 60M0 - r etals (ICP2r S) - Tdtal Re/ d5eoable

Analyte	Result	Qualifieo	PQL	r DL	Unit	D	Pœpaœ7	Analyze7	Dil Fa/
Antimony	0.0015	U	0.0025	0.0015	mg/L		10/12/20 18:12	10/13/20 22:49	5
Arsenic	0.00039	U	0.0013	0.00039	mg/L		10/12/20 18:12	10/13/20 22:49	5
Badum	**0.0MV**		0.0025	0.00070	mg/L		10/12/20 18:12	10/13/20 22:49	5
Beryllium	0.00017	U	0.0025	0.00017	mg/L		10/12/20 18:12	10/13/20 22:49	5
Bdœdn	**v.0**		1.0	0.36	mg/L		10/12/20 18:12	10/22/20 15:29	100
Cadmium	0.00028	U	0.0025	0.00028	mg/L		10/12/20 18:12	10/13/20 22:49	5
Cal/ ium	**W4**		0.25	0.13	mg/L		10/12/20 18:12	10/13/20 22:49	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		10/12/20 18:12	10/13/20 22:49	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		10/12/20 18:12	10/13/20 22:49	5
Lea7	**0.000v4**	**I**	0.0013	0.00029	mg/L		10/12/20 18:12	10/13/20 22:49	5
Lithium	0.0019	U	0.0050	0.0019	mg/L		10/12/20 18:12	10/13/20 22:49	5
Molybdenum	0.0045	U	0.015	0.0045	mg/L		10/12/20 18:12	10/13/20 22:49	5
Selenium	**0.00MV**		0.0013	0.00082	mg/L		10/12/20 18:12	10/20/20 16:01	5
Thallium	**0.00014**	**I**	0.00050	0.00012	mg/L		10/12/20 18:12	10/13/20 22:49	5

r ethd7: W4W0A - r ed/ uoy (C3AA)

Analyte	Result	Qualifieo	PQL	r DL	Unit	D	Pœpaœ7	Analyze7	Dil Fa/
r ed/ uoy	**0.0001W**	**I**	0.00020	0.000070	mg/L		10/13/20 08:30	10/13/20 13:32	1

Geneoal Chemisto/

Analyte	Result	Qualifieo	PQL	r DL	Unit	D	Pœpaœ7	Analyze7	Dil Fa/
Tdtal Dissdl5e7 Sdli7s	**600**		5.0	5.0	mg/L			10/16/20 20:21	1
Chldd7e	**1v0**		10	7.0	mg/L			10/20/20 15:07	5
Fluoride	0.032	U	0.10	0.032	mg/L			10/20/20 12:10	1
Sulfate	**64**		10	2.8	mg/L			10/20/20 12:01	2

r ethd7: Fiel7 Sampling - Fiel7 Sampling

Analyte	Result	Qualifieo	PQL	r DL	Unit	D	Pœpaœ7	Analyze7	Dil Fa/
Fiel7 pH	**V.v0**				SU			10/12/20 09:32	1

Client Sample Results

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

Job ID: 400-194247-7
SDG: Downgradient D

Client Sample ID: r x -M01
Date Cdlle/ te7: 102lM2M0 09:00
Date Re/ ei5e7: 102lM2M0 14:v0

Lab Sample ID: 400-194M4W1V
r atdc: x ateo

r ethd7: 60M0 - r etals (ICP2r S) - Tdtal Re/ d5eoable

Analyte	Result	Qualifieo	PQL	r DL	Unit	D	Pœpaœ7	Analyze7	Dil Fa/
Antimony	0.0015	U	0.0025	0.0015	mg/L		10/12/20 18:12	10/13/20 23:00	5
Arsenic	0.00039	U	0.0013	0.00039	mg/L		10/12/20 18:12	10/13/20 23:00	5
Badum	0.0v8		0.0025	0.00070	mg/L		10/12/20 18:12	10/13/20 23:00	5
Beryllium	0.00017	U	0.0025	0.00017	mg/L		10/12/20 18:12	10/13/20 23:00	5
Bdodn	v.v		1.0	0.36	mg/L		10/12/20 18:12	10/22/20 15:33	100
Ca7mium	0.001V	I	0.0025	0.00028	mg/L		10/12/20 18:12	10/13/20 23:00	5
Cal/ ium	V8		0.25	0.13	mg/L		10/12/20 18:12	10/13/20 23:00	5
Chodmium	0.0011	I	0.0025	0.0010	mg/L		10/12/20 18:12	10/13/20 23:00	5
Cdbalt	0.0014	I	0.0025	0.00056	mg/L		10/12/20 18:12	10/13/20 23:00	5
Lea7	0.000V0	I	0.0013	0.00029	mg/L		10/12/20 18:12	10/13/20 23:00	5
Lithium	0.00M6	I	0.0050	0.0019	mg/L		10/12/20 18:12	10/13/20 23:00	5
Molybdenum	0.0045	U	0.015	0.0045	mg/L		10/12/20 18:12	10/13/20 23:00	5
Selenium	0.00v0		0.0013	0.00082	mg/L		10/12/20 18:12	10/20/20 16:05	5
Thallium	0.000MV	I	0.00050	0.00012	mg/L		10/12/20 18:12	10/13/20 23:00	5

r ethd7: W4W0A - r ed/ uoy (C3AA)

Analyte	Result	Qualifieo	PQL	r DL	Unit	D	Pœpaœ7	Analyze7	Dil Fa/
r ed/ uoy	0.000M6		0.00020	0.000070	mg/L		10/13/20 08:30	10/13/20 13:34	1

Geneoal Chemisto/

Analyte	Result	Qualifieo	PQL	r DL	Unit	D	Pœpaœ7	Analyze7	Dil Fa/
Tdtal Dissdl5e7 Sdli7s	460		5.0	5.0	mg/L			10/16/20 20:21	1
Chldd7e	8M		4.0	2.8	mg/L			10/20/20 14:42	2
Fludd7e	0.46		0.10	0.032	mg/L			10/21/20 14:32	1
Sulfate	110		25	7.0	mg/L			10/20/20 12:16	5

r ethd7: Fiel7 Sampling - Fiel7 Sampling

Analyte	Result	Qualifieo	PQL	r DL	Unit	D	Pœpaœ7	Analyze7	Dil Fa/
Fiel7 pH	4.V6				SU			10/12/20 09:00	1

Client Sample Results

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

Job ID: 400-194247-7
SDG: Downgradient D

Client Sample ID: r x -M06
Date Cdlle/ te7: 102lM2M0 08:4v
Date Re/ ei5e7: 102lM2M0 14:v0

Lab Sample ID: 400-194M4W16
r atdc: x ateo

r ethd7: 60M0 - r etals (ICP2r S) - Tdtal Re/ d5ecable

Analyte	Result	Qualifieo	PQL	r DL	Unit	D	Pœpacœ7	Analyze7	Dil Fa/
Antimony	0.0015	U	0.0025	0.0015	mg/L		10/12/20 18:12	10/13/20 23:04	5
Acseni/	0.001W		0.0013	0.00039	mg/L		10/12/20 18:12	10/13/20 23:04	5
Badium	0.0V1		0.0025	0.00070	mg/L		10/12/20 18:12	10/13/20 23:04	5
Beryllium	0.00017	U	0.0025	0.00017	mg/L		10/12/20 18:12	10/13/20 23:04	5
Bdcdn	1W		2.0	0.72	mg/L		10/12/20 18:12	10/22/20 15:37	200
Cadmium	0.00028	U	0.0025	0.00028	mg/L		10/12/20 18:12	10/13/20 23:04	5
Cal/ ium	v00		10	5.0	mg/L		10/12/20 18:12	10/22/20 15:37	200
Chromium	0.0010	U	0.0025	0.0010	mg/L		10/12/20 18:12	10/13/20 23:04	5
Cdbalt	0.0019	I	0.0025	0.00056	mg/L		10/12/20 18:12	10/13/20 23:04	5
Lea7	0.0008V	I	0.0013	0.00029	mg/L		10/12/20 18:12	10/13/20 23:04	5
Lithium	0.0019	U	0.0050	0.0019	mg/L		10/12/20 18:12	10/13/20 23:04	5
Molybdenum	0.0045	U	0.015	0.0045	mg/L		10/12/20 18:12	10/13/20 23:04	5
Selenium	0.00W1		0.0013	0.00082	mg/L		10/12/20 18:12	10/20/20 16:09	5
Thallium	0.000vv	I	0.00050	0.00012	mg/L		10/12/20 18:12	10/13/20 23:04	5

r ethd7: W4W0A - r ed/ ucy (C3AA)

Analyte	Result	Qualifieo	PQL	r DL	Unit	D	Pœpacœ7	Analyze7	Dil Fa/
Mercury	0.000070	U	0.00020	0.000070	mg/L		10/13/20 08:30	10/13/20 13:36	1

Geneœal Chemisto/

Analyte	Result	Qualifieo	PQL	r DL	Unit	D	Pœpacœ7	Analyze7	Dil Fa/
Tdtal Dissdl5e7 Sdli7s	MM00		10	10	mg/L			10/16/20 20:21	1
Chldci7e	610		40	28	mg/L			10/20/20 15:20	20
Fludci7e	0.040	I	0.10	0.032	mg/L			10/21/20 14:43	1
Sulfate	M/0		50	14	mg/L			10/20/20 12:20	10

r ethd7: Fiel7 Sampling - Fiel7 Sampling

Analyte	Result	Qualifieo	PQL	r DL	Unit	D	Pœpacœ7	Analyze7	Dil Fa/
Fiel7 pH	4.8M				SU			10/12/20 08:43	1

Definitions/Glossary

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

Job ID: 400-194247-7
SDG: Downgradient D

Qualifiers

Metals

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

General Chemistry

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

Glossary

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

Lab Chronicle

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

Job ID: 400-194247-7
SDG: Downgradient D

Client Sample ID: MW-200
Date Collected: 10/12/20 09:32
Date Received: 10/12/20 14:30

Lab Sample ID: 400-194247-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			506487	10/12/20 18:12	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	506715	10/13/20 22:49	LDC	TAL PEN
Total Recoverable	Prep	3005A			506487	10/12/20 18:12	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	507590	10/20/20 16:01	LDC	TAL PEN
Total Recoverable	Prep	3005A			506487	10/12/20 18:12	KWN	TAL PEN
Total Recoverable	Analysis	6020		100	507927	10/22/20 15:29	LDC	TAL PEN
Total/NA	Prep	7470A			506379	10/13/20 08:30	NET	TAL PEN
Total/NA	Analysis	7470A		1	506663	10/13/20 13:32	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	507208	10/16/20 20:21	DEK	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		5	507524	10/20/20 15:07	NT	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	507475	10/20/20 12:10	RRC	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		2	507476	10/20/20 12:01	NT	TAL PEN
Total/NA	Analysis	Field Sampling		1	507990	10/12/20 09:32	IDE	TAL PEN

Client Sample ID: MW-201
Date Collected: 10/12/20 09:00
Date Received: 10/12/20 14:30

Lab Sample ID: 400-194247-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			506487	10/12/20 18:12	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	506715	10/13/20 23:00	LDC	TAL PEN
Total Recoverable	Prep	3005A			506487	10/12/20 18:12	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	507590	10/20/20 16:05	LDC	TAL PEN
Total Recoverable	Prep	3005A			506487	10/12/20 18:12	KWN	TAL PEN
Total Recoverable	Analysis	6020		100	507927	10/22/20 15:33	LDC	TAL PEN
Total/NA	Prep	7470A			506379	10/13/20 08:30	NET	TAL PEN
Total/NA	Analysis	7470A		1	506663	10/13/20 13:34	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	507208	10/16/20 20:21	DEK	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		2	507524	10/20/20 14:42	NT	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	507691	10/21/20 14:32	RRC	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		5	507476	10/20/20 12:16	NT	TAL PEN
Total/NA	Analysis	Field Sampling		1	507990	10/12/20 09:00	IDE	TAL PEN

Client Sample ID: MW-206
Date Collected: 10/12/20 08:43
Date Received: 10/12/20 14:30

Lab Sample ID: 400-194247-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			506487	10/12/20 18:12	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	506715	10/13/20 23:04	LDC	TAL PEN
Total Recoverable	Prep	3005A			506487	10/12/20 18:12	KWN	TAL PEN
Total Recoverable	Analysis	6020		5	507590	10/20/20 16:09	LDC	TAL PEN
Total Recoverable	Prep	3005A			506487	10/12/20 18:12	KWN	TAL PEN
Total Recoverable	Analysis	6020		200	507927	10/22/20 15:37	LDC	TAL PEN

Lab Chronicle

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

Job ID: 400-194247-7
SDG: Downgradient D

Client Sample ID: MW-206

Date Collected: 10/12/20 08:43
Date Received: 10/12/20 14:30

Lab Sample ID: 400-194247-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			506379	10/13/20 08:30	NET	TAL PEN
Total/NA	Analysis	7470A		1	506663	10/13/20 13:36	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	507208	10/16/20 20:21	DEK	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		20	507524	10/20/20 15:20	NT	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	507691	10/21/20 14:43	RRC	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		10	507476	10/20/20 12:20	NT	TAL PEN
Total/NA	Analysis	Field Sampling		1	507990	10/12/20 08:43	IDE	TAL PEN

Laboratory References:

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

Metals

Prep Batch: 5061Lb

I aD Sample Tx	Client Sample Tx	Prep dype	Matri2	Metho4	Prep Batch
400-194247-14	s / -200	WorpCAR	/ pri w	7470R	
400-194247-1B	s / -201	WorpCAR	/ pri w	7470R	
400-194247-13	s / -203	WorpCAR	/ pri w	7470R	
s T 400-B03N79E4-R	s i mMoUTCeF	WorpCAR	/ pri w	7470R	
85 y 400-B03N79E1B-R	8pb 5 oenwoCypr mC	WorpCAR	/ pri w	7470R	
400-194247-5-N-D s y	s pnW6 y miFi	WorpCAR	/ pri w	7470R	
400-194247-5-N-h s y D	s pnW6 y miFi DGmCdpni	WorpCAR	/ pri w	7470R	

Prep Batch: 50673L

I aD Sample Tx	Client Sample Tx	Prep dype	Matri2	Metho4	Prep Batch
400-194247-14	s / -200	WorpCj i doki vpbC	/ pri w	N00BR	
400-194247-1B	s / -201	WorpCj i doki vpbC	/ pri w	N00BR	
400-194247-13	s / -203	WorpCj i doki vpbC	/ pri w	N00BR	
s T 400-B034L7E1-R xB	s i mMoUTCeF	WorpCj i doki vpbC	/ pri w	N00BR	
85 y 400-B034L7E2-R xB	8pb 5 oenwoCypr mC	WorpCj i doki vpbC	/ pri w	N00BR	
400-194247-5-1-5 s y xB	s pnW6 y miFi	WorpCj i doki vpbC	/ pri w	N00BR	
400-194247-5-1-D s y D xB	s pnW6 y miFi DGmCdpni	WorpCj i doki vpbC	/ pri w	N00BR	

Analysis Batch: 506661

I aD Sample Tx	Client Sample Tx	Prep dype	Matri2	Metho4	Prep Batch
400-194247-14	s / -200	WorpCAR	/ pri w	7470R	B03N79
400-194247-1B	s / -201	WorpCAR	/ pri w	7470R	B03N79
400-194247-13	s / -203	WorpCAR	/ pri w	7470R	B03N79
s T 400-B03N79E4-R	s i mMoUTCeF	WorpCAR	/ pri w	7470R	B03N79
85 y 400-B03N79E1B-R	8pb 5 oenwoCypr mC	WorpCAR	/ pri w	7470R	B03N79
400-194247-5-N-D s y	s pnW6 y miFi	WorpCAR	/ pri w	7470R	B03N79
400-194247-5-N-h s y D	s pnW6 y miFi DGmCdpni	WorpCAR	/ pri w	7470R	B03N79

Analysis Batch: 506L85

I aD Sample Tx	Client Sample Tx	Prep dype	Matri2	Metho4	Prep Batch
400-194247-14	s / -200	WorpCj i doki vpbC	/ pri w	3020	B034L7
400-194247-1B	s / -201	WorpCj i doki vpbC	/ pri w	3020	B034L7
400-194247-13	s / -203	WorpCj i doki vpbC	/ pri w	3020	B034L7
s T 400-B034L7E1-R xB	s i mMoUTCeF	WorpCj i doki vpbC	/ pri w	3020	B034L7
85 y 400-B034L7E2-R xB	8pb 5 oenwoCypr mC	WorpCj i doki vpbC	/ pri w	3020	B034L7
400-194247-5-1-5 s y xB	s pnW6 y miFi	WorpCj i doki vpbC	/ pri w	3020	B034L7
400-194247-5-1-D s y D xB	s pnW6 y miFi DGmCdpni	WorpCj i doki vpbC	/ pri w	3020	B034L7

Analysis Batch: 50L5b0

I aD Sample Tx	Client Sample Tx	Prep dype	Matri2	Metho4	Prep Batch
400-194247-14	s / -200	WorpCj i doki vpbC	/ pri w	3020	B034L7
400-194247-1B	s / -201	WorpCj i doki vpbC	/ pri w	3020	B034L7
400-194247-13	s / -203	WorpCj i doki vpbC	/ pri w	3020	B034L7
s T 400-B034L7E1-R xB	s i mMoUTCeF	WorpCj i doki vpbC	/ pri w	3020	B034L7
85 y 400-B034L7E2-R xB	8pb 5 oenwoCypr mC	WorpCj i doki vpbC	/ pri w	3020	B034L7
400-194247-5-1-5 s y xB	s pnW6 y miFi	WorpCj i doki vpbC	/ pri w	3020	B034L7
400-194247-5-1-D s y D xB	s pnW6 y miFi DGmCdpni	WorpCj i doki vpbC	/ pri w	3020	B034L7

Analysis Batch: 50Lb(L

I aD Sample Tx	Client Sample Tx	Prep dype	Matri2	Metho4	Prep Batch
400-194247-14	s / -200	WorpCj i doki vpbC	/ pri w	3020	B034L7

Metals)Continue4G

Analysis Batch: 50Lb(L)Continue4G

I aD Sample Tx	Client Sample Tx	Prep dype	Matri2	Metho4	Prep Batch
400-194247-1B	s / -201	WorpCj i doki vpbC	/ pri w	3020	B034L7
400-194247-13	s / -203	WorpCj i doki vpbC	/ pri w	3020	B034L7

9 eneral Chemistry

Analysis Batch: 50L(03

I aD Sample Tx	Client Sample Tx	Prep dype	Matri2	Metho4	Prep Batch
400-194247-14	s / -200	WorpCAR	/ pri w	ys 2B405	
400-194247-1B	s / -201	WorpCAR	/ pri w	ys 2B405	
400-194247-13	s / -203	WorpCAR	/ pri w	ys 2B405	
s T 400-B0720LE3	s i nMoUTCeF	WorpCAR	/ pri w	ys 2B405	
85 y 400-B0720LE2	8pb 5 oenwoCy pr mC	WorpCAR	/ pri w	ys 2B405	
400-194247-T-10 D^	DGmCdpri	WorpCAR	/ pri w	ys 2B405	

Analysis Batch: 50L7L5

I aD Sample Tx	Client Sample Tx	Prep dype	Matri2	Metho4	Prep Batch
400-194247-14	s / -200	WorpCAR	/ pri w	ys 4B00 , 5	
s T 400-B0747BE4	s i nMoUTCeF	WorpCAR	/ pri w	ys 4B00 , 5	
85 y 400-B0747BE1	8pb 5 oenwoCy pr mC	WorpCAR	/ pri w	ys 4B00 , 5	
400-194170-T-B s y	s pnW6 y mIFi	WorpCAR	/ pri w	ys 4B00 , 5	
400-194170-T-B s y D	s pnW6 y mIFi DGmCdpri	WorpCAR	/ pri w	ys 4B00 , 5	
400-194247-T-B s y	s pnW6 y mIFi	WorpCAR	/ pri w	ys 4B00 , 5	
400-194247-T-B s y D	s pnW6 y mIFi DGmCdpri	WorpCAR	/ pri w	ys 4B00 , 5	

Analysis Batch: 50L7L6

I aD Sample Tx	Client Sample Tx	Prep dype	Matri2	Metho4	Prep Batch
400-194247-14	s / -200	WorpCAR	/ pri w	ys 4B00 y O4 h	
400-194247-1B	s / -201	WorpCAR	/ pri w	ys 4B00 y O4 h	
400-194247-13	s / -203	WorpCAR	/ pri w	ys 4B00 y O4 h	
s T 400-B07473E3	s i nMoUTCeF	WorpCAR	/ pri w	ys 4B00 y O4 h	
85 y 400-B07473E7	8pb 5 oenwoCy pr mC	WorpCAR	/ pri w	ys 4B00 y O4 h	
s j 8 400-B07473EN	8pb 5 oenwoCy pr mC	WorpCAR	/ pri w	ys 4B00 y O4 h	
400-194247-T-17 s y	s pnW6 y mIFi	WorpCAR	/ pri w	ys 4B00 y O4 h	
400-194247-T-17 s y D	s pnW6 y mIFi DGmCdpri	WorpCAR	/ pri w	ys 4B00 y O4 h	

Analysis Batch: 50L5(7

I aD Sample Tx	Client Sample Tx	Prep dype	Matri2	Metho4	Prep Batch
400-194247-14	s / -200	WorpCAR	/ pri w	ys 4B00 5Ch	
400-194247-1B	s / -201	WorpCAR	/ pri w	ys 4B00 5Ch	
400-194247-13	s / -203	WorpCAR	/ pri w	ys 4B00 5Ch	
s T 400-B07B24E3	s i nMoUTCeF	WorpCAR	/ pri w	ys 4B00 5Ch	
85 y 400-B07B24E7	8pb 5 oenwoCy pr mC	WorpCAR	/ pri w	ys 4B00 5Ch	
s j 8 400-B07B24EN	8pb 5 oenwoCy pr mC	WorpCAR	/ pri w	ys 4B00 5Ch	
400-194247-T-12 s y	s pnW6 y mIFi	WorpCAR	/ pri w	ys 4B00 5Ch	
400-194247-T-12 s y D	s pnW6 y mIFi DGmCdpri	WorpCAR	/ pri w	ys 4B00 5Ch	

Analysis Batch: 50L6b8

I aD Sample Tx	Client Sample Tx	Prep dype	Matri2	Metho4	Prep Batch
400-194247-1B	s / -201	WorpCAR	/ pri w	ys 4B00 , 5	
400-194247-13	s / -203	WorpCAR	/ pri w	ys 4B00 , 5	
s T 400-B07391E4	s i nMoUTCeF	WorpCAR	/ pri w	ys 4B00 , 5	

9 eneral Chemistry)Continue4G

Analysis Batch: 50L6b8)Continue4G

I aD Sample Tx	Client Sample Tx	Prep dype	Matri2	Metho4	Prep Batch
85 y 400-B07391E1	8pb 5 oenwoCy pr mC	WonpCAR	/ pri w	y s 4B00 , 5	
400-194303-R-4 s y	s pnW6 y miFi	WonpCAR	/ pri w	y s 4B00 , 5	
400-194303-R-4 s y D	s pnW6 y miFi DGmCdpri	WonpCAR	/ pri w	y s 4B00 , 5	

Fiel4 Service / MoDile I aD

Analysis Batch: 50Lbb0

I aD Sample Tx	Client Sample Tx	Prep dype	Matri2	Metho4	Prep Batch
400-194247-14	s / -200	WonpCAR	/ pri w	, li CJy pr mCeS	
400-194247-1B	s / -201	WonpCAR	/ pri w	, li CJy pr mCeS	
400-194247-13	s / -203	WonpCAR	/ pri w	, li CJy pr mCeS	

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 400-506487/1-A ^5
Matrix: Water
Analysis Batch: 506715

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 506487

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
/ enr oea	0R001s	A	0R002s	0R001s	r SE		10E12E20 1L:12	10E18E20 21:27	s
/ vci eld	0R00089	A	0R0018	0R00089	r SE		10E12E20 1L:12	10E18E20 21:27	s
3 pwG	0R00070	A	0R002s	0R00070	r SE		10E12E20 1L:12	10E18E20 21:27	s
3 i vaCCG	0R00017	A	0R002s	0R00017	r SE		10E12E20 1L:12	10E18E20 21:27	s
3 owoe	0R01L	A	0R0s0	0R01L	r SE		10E12E20 1L:12	10E18E20 21:27	s
5 pUr lG	0R0002L	A	0R002s	0R0002L	r SE		10E12E20 1L:12	10E18E20 21:27	s
5 pCdlG	0R18	A	0R2s	0R18	r SE		10E12E20 1L:12	10E18E20 21:27	s
5 Bwor lG	0R0010	A	0R002s	0R0010	r SE		10E12E20 1L:12	10E18E20 21:27	s
5 obpCa	0R000sh	A	0R002s	0R000sh	r SE		10E12E20 1L:12	10E18E20 21:27	s
. i pU	0R00029	A	0R0018	0R00029	r SE		10E12E20 1L:12	10E18E20 21:27	s
. lrBlG	0R0019	A	0R00s0	0R0019	r SE		10E12E20 1L:12	10E18E20 21:27	s
6 oCabUi eG	0R004s	A	0R01s	0R004s	r SE		10E12E20 1L:12	10E18E20 21:27	s
MBpCCG	0R00012	A	0R000s0	0R00012	r SE		10E12E20 1L:12	10E18E20 21:27	s

Lab Sample ID: MB 400-506487/1-A ^5
Matrix: Water
Analysis Batch: 507590

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 506487

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
yi CelG	0R000L2	A	0R0018	0R000L2	r SE		10E12E20 1L:12	10E20E20 14:0L	s

Lab Sample ID: LCS 400-506487/2-A ^5
Matrix: Water
Analysis Batch: 506715

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 506487

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
/ enr oea	0R0s00	0R0s24		r SE		10s	L0 - 120
/ vci eld	0R0s00	0R0s22		r SE		104	L0 - 120
3 pwG	0R0s00	0R04h8		r SE		98	L0 - 120
3 i vaCCG	0R0s00	0R0s19		r SE		104	L0 - 120
3 owoe	0R100	0R100		r SE		100	L0 - 120
5 pUr lG	0R0s00	0R0s80		r SE		10h	L0 - 120
5 pCdlG	sR00	4R07		r SE		98	L0 - 120
5 Bwor lG	0R0s00	0R0s28		r SE		10s	L0 - 120
5 obpCa	0R0s00	0R0s21		r SE		104	L0 - 120
. i pU	0R0s00	0R0s18		r SE		108	L0 - 120
. lrBlG	0R0s00	0R0s02		r SE		100	L0 - 120
6 oCabUi eG	0R0s00	0R0s18		r SE		108	L0 - 120
MBpCCG	0R0100	0R010h		r SE		10h	L0 - 120

Lab Sample ID: LCS 400-506487/2-A ^5
Matrix: Water
Analysis Batch: 507590

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 506487

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
yi CelG	0R0s00	0R0s21		r SE		104	L0 - 120

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

Lab Sample ID: 400-194247-C-1-C MS ^5
Matrix: Water
Analysis Batch: 506715

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 506487

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
/ enr oea	0R001s	A	0R0s00	0R0sL1		r SE		11h	7s - 12s		
/ vci eld	0R00089	A	0R0s00	0R0s0s		r SE		101	7s - 12s		
3pvG	0R011		0R0s00	0R0ssL		r SE		90	7s - 12s		
3i vaCCG	0R00017	A	0R0s00	0R0s22		r SE		104	7s - 12s		
3ovoe	0R02s	I	0R100	0R187		r SE		112	7s - 12s		
5pUr lG	0R0002L	A	0R0s00	0R0s88		r SE		107	7s - 12s		
5pCdlG	0RsL		sR00	sR87		r SE		9h	7s - 12s		
5Bvor lG	0R0010	A	0R0s00	0R0s21		r SE		104	7s - 12s		
5obpCa	0R00sh	A	0R0s00	0R0s2h		r SE		10s	7s - 12s		
. i pU	0R00029	A	0R0s00	0R0s17		r SE		108	7s - 12s		
. lrBlG	0R019	A	0R0s00	0R0s81		r SE		10h	7s - 12s		
6 oCabUi eG	0R04s	A	0R0s00	0R0s18		r SE		108	7s - 12s		
MBpCCG	0R00012	A	0R0100	0R0107		r SE		107	7s - 12s		

Lab Sample ID: 400-194247-C-1-C MS ^5
Matrix: Water
Analysis Batch: 507590

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 506487

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
yi CelG	0R000L2	A	0R0s00	0R0s22		r SE		104	7s - 12s		

Lab Sample ID: 400-194247-C-1-D MSD ^5
Matrix: Water
Analysis Batch: 506715

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 506487

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
/ enr oea	0R001s	A	0R0s00	0R0s4s		r SE		109	7s - 12s	h	20
/ vci eld	0R00089	A	0R0s00	0R0s28		r SE		10s	7s - 12s	4	20
3pvG	0R011		0R0s00	0R0s42		r SE		L7	7s - 12s	8	20
3i vaCCG	0R00017	A	0R0s00	0R0s1L		r SE		104	7s - 12s	1	20
3ovoe	0R02s	I	0R100	0R184		r SE		109	7s - 12s	2	20
5pUr lG	0R0002L	A	0R0s00	0R0s20		r SE		104	7s - 12s	8	20
5pCdlG	0RsL		sR00	sRRL		r SE		102	7s - 12s	s	20
5Bvor lG	0R0010	A	0R0s00	0R0s88		r SE		107	7s - 12s	2	20
5obpCa	0R00sh	A	0R0s00	0R0s14		r SE		108	7s - 12s	2	20
. i pU	0R00029	A	0R0s00	0R0s1h		r SE		108	7s - 12s	0	20
. lrBlG	0R019	A	0R0s00	0R0s17		r SE		108	7s - 12s	8	20
6 oCabUi eG	0R04s	A	0R0s00	0R0s28		r SE		10s	7s - 12s	2	20
MBpCCG	0R00012	A	0R0100	0R010s		r SE		10s	7s - 12s	2	20

Lab Sample ID: 400-194247-C-1-D MSD ^5
Matrix: Water
Analysis Batch: 507590

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 506487

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
yi CelG	0R000L2	A	0R0s00	0R0s1h		r SE		108	7s - 12s	1	20

QC Sample Results

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 400-506379/14-A
Matrix: Water
Analysis Batch: 506663

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 506379

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6 i wdGva	0R00070	A	0R00020	0R00070	r SE		10E18E20 0L:80	10E18E20 12:41	1

Lab Sample ID: LCS 400-506379/15-A
Matrix: Water
Analysis Batch: 506663

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 506379

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
6 i wdGva			0R0101	0R011L		r SE		11L	L0 - 120		

Lab Sample ID: 400-194247-C-3-D MS
Matrix: Water
Analysis Batch: 506663

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 506379

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
6 i wdGva	0R0014	I	0R0201	0R00070	A J8	r SE		0	L0 - 120		

Lab Sample ID: 400-194247-C-3-E MSD
Matrix: Water
Analysis Batch: 506663

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 506379

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
6 i wdGva	0R0014	I	0R0201	0R00070	A J8	r SE		0	L0 - 120	N5	20

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

Lab Sample ID: MB 400-507208/1
Matrix: Water
Analysis Batch: 507208

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MorpCDlccoQi Uyo0Uc	sR0	A	sR0	sR0	r SE			10E1hE20 20:21	1

Lab Sample ID: LCS 400-507208/2
Matrix: Water
Analysis Batch: 507208

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
MorpCDlccoQi Uyo0Uc			147	1h2		r SE		111	7L - 122		

Lab Sample ID: 400-194247-B-10 DU
Matrix: Water
Analysis Batch: 507208

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
MorpCDlccoQi Uyo0Uc	210			2s0	J8	r SE				1h	s

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-507524/6
Matrix: Water
Analysis Batch: 507524

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
5 B0 wUi	1R4	A	2R0	1R4	r SE			10E20E20 14:1s	1

Lab Sample ID: LCS 400-507524/7
Matrix: Water
Analysis Batch: 507524

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
5 B0 wUi	80R0	80R7		r SE		102	90 - 110

Lab Sample ID: MRL 400-507524/3
Matrix: Water
Analysis Batch: 507524

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
5 B0 wUi	2R00	2R07		r SE		104	s0 - 1s0

Lab Sample ID: 400-194247-B-12 MS
Matrix: Water
Analysis Batch: 507524

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
5 B0 wUi	40		10R0	4hR9	J8	r SE		hs	78 - 120

Lab Sample ID: 400-194247-B-12 MSD
Matrix: Water
Analysis Batch: 507524

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
5 B0 wUi	40		10R0	4hR7	J8	r SE		h2	78 - 120	1	L

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-507475/14
Matrix: Water
Analysis Batch: 507475

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
FCB0 wUi	0R082	A	0R10	0R082	r SE			10E20E20 10:2L	1

Lab Sample ID: LCS 400-507475/11
Matrix: Water
Analysis Batch: 507475

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
FCB0 wUi	4R00	4R88		r SE		10L	90 - 110

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: 400-194170-B-5 MS
Matrix: Water
Analysis Batch: 507475

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		
FCowUi	0R2h		1R00	1R1L		r SE		92	7s - 12s		

Lab Sample ID: 400-194170-B-5 MSD
Matrix: Water
Analysis Batch: 507475

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
FCowUi	0R2h		1R00	1R28		r SE		97	7s - 12s	4	4

Lab Sample ID: 400-194247-B-5 MS
Matrix: Water
Analysis Batch: 507475

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		
FCowUi	0R082	A	1R00	1R04		r SE		104	7s - 12s		

Lab Sample ID: 400-194247-B-5 MSD
Matrix: Water
Analysis Batch: 507475

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
FCowUi	0R082	A	1R00	1R00		r SE		100	7s - 12s	4	4

Lab Sample ID: MB 400-507691/14
Matrix: Water
Analysis Batch: 507691

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
FCowUi	0R082	A	0R10	0R082	r SE			10E21E20 14:20	1

Lab Sample ID: LCS 400-507691/11
Matrix: Water
Analysis Batch: 507691

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
FCowUi			sR00	4R70		r SE		94	90 - 110		

Lab Sample ID: 400-194606-A-4 MS
Matrix: Water
Analysis Batch: 507691

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		
FCowUi	1R0		1R00	1R71	J8	r SE		h9	7s - 12s		

Lab Sample ID: 400-194606-A-4 MSD
Matrix: Water
Analysis Batch: 507691

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
FCowUi	1R0		1R00	1R7s	J8	r SE		78	7s - 12s	2	4

TGwoulec Mlcn/ r i wdp, f i ecpdo@

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-507476/6
Matrix: Water
Analysis Batch: 507476

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
y G0 pri	1R4	A	sR0	1R4	r SE			10E20E20 11:2s	1

Lab Sample ID: LCS 400-507476/7
Matrix: Water
Analysis Batch: 507476

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
y G0 pri			1sR0	1sR4		r SE		108	90 - 110		

Lab Sample ID: MRL 400-507476/3
Matrix: Water
Analysis Batch: 507476

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
y G0 pri			1sR0	1sR4		r SE		108	s0 - 1s0		

Lab Sample ID: 400-194247-B-17 MS
Matrix: Water
Analysis Batch: 507476

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		
y G0 pri	24		10R0	81R0	J8	r SE		78	77 - 12L		

Lab Sample ID: 400-194247-B-17 MSD
Matrix: Water
Analysis Batch: 507476

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
y G0 pri	24		10R0	80R9	J8	r SE		78	77 - 12L	0	s

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

Chain of Custody Record

eurofins Environment Testing America

400-194247 COC

Client Information	Sampler: Philip Evans / Brett Surles	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-96741-23630.1
Client Contact: Barry Evans	Phone: 850-336-0192	E-Mail: Cheyenne.Whitmire@Eurofinset.com		Page: Page 1 of 1
Company: Gulf Power Company				Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520				
Phone: 850-444-6427(Tel)	PO #: 2000339513			
Email: Barry.Evans@nexteraenergy.com	WO #: 3000004117			
Project Name: CCR Plant Crist	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N	D	N	N		
MW-200	10/12/20	0932	G	Water			X	X	X	X	X	X		
MW-201	10/12/20	0900	G	Water			X	X	X	X	X	X		
MW-206	10/12/20	0843	G	Water			X	X	X	X	X	X		
~~Dup~~				Water										
				Water										

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

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

	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	10/12/20 1430	RDM	Kathy R Avery	10-12-20 1430	ETA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.9°C, 1.4°C IR9

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 400-194247-7
SDG Number: Downgradient D

Login Number: 194247
List Number: 1
Creator: Whitley, Adrian

List Source: Eurofins TestAmerica, 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	4.8, 5.1, 0.0°C IR9, 3.9°C, 1.4°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: Gulf Power Company
Pro/eSt R3 ite: CCB Plant Crikt

Job ID: 400-194j 4c-c
s DG: Downgradient D

Laboratory: Eurofins TestAmerica, Pensacola

All aSSreditationkR5ertifiSationk held by thik laboratory are likted. Not all aSSreditationkR5ertifiSationk are appliSable to thik report.

Authority	Program	Identification Number	Expiration Date
Alabama	state	40150	06-30-j 1
ANA2	Is ORREC 1c0j 5	7j 4c1	0j -j 3-j 3
AriLona	state	Az 0c10	01-13-j 1
ArZankak DEQ	state	88-0689	09-0j -j 1
California	state	j 510	06-30-j 1
Florida	NE7AP	E81010	06-30-j 1
Georgia	state	E81010(F7)	06-30-j 1
Illinoik	NE7AP	j 00041	10-09-j 1
Iowa	state	36c	08-01-j j
Kankak	NE7AP	E-10j 53	10-31-j 0
KentuSZy (Us T)	state	53	06-30-j 1
KentuSZy (WW)	state	KY98030	1j -31-j 0
7ouikiana	NE7AP	309c6	06-30-j 1
7ouikiana (DW)	state	7A01c	1j -31-j 0
Maryland	state	j 33	09-30-j 1
MakkaShukettk	state	M-F7094	06-30-j 1
MiShigan	state	991j	06-30-j 1
New Jerkey	NE7AP	F7006	06-30-j 1
New YorZ	NE7AP	1j 115	04-01-j 1
North Carolina (WWR3W)	state	314	1j -31-j 0
OZlahoma	state	9810-186	08-31-j 1
Pennkylvania	NE7AP	68-0046c	01-31-j 1
Bhode Ikland	state	7AO0030c	1j -30-j 0
south Carolina	state	960j 600j	06-30-j 1
Tennekkee	state	TN0j 90c	06-30-j 1
Texak	NE7AP	T104c04j 86	09-30-j 1
Us Fikh & Wildlife	Us Federal Programk	058448	0c-31-j 1
Us DA	Us Federal Programk	P330-18-00148	05-1c-j 1
Virginia	NE7AP	460166	06-14-j 1
Wakhington	state	C915	05-15-j 1
Wekt Virginia DEP	state	136	1j -31-j 0

eurofins | Environment Testing America



ANALYTICAL REPORT

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

Laboratory Job ID: 400-194247-8
Laboratory Sample Delivery Group: Downgradient D
Client Project/Site: CCR Plant Crist

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

Attn: Barry Evans

Cheyenne R Whitmire

Authorized for release by:
11/22/2020 3:20:01 PM

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

LINKS

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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.

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Certification Summary 16

Job ID: 400-194247-8

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-194247-8

RAD

Method 9315: 9315 prep batch: 160-485916. Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. MW-200 (400-194247-14), MW-201 (400-194247-15), MW-206 (400-194247-16), (280-141350-A-4-A), (280-141350-A-4-B MS) and (280-141350-A-4-C MSD)

Method 9320: 9320 prep batch 485917. Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. MW-200 (400-194247-14), MW-201 (400-194247-15), MW-206 (400-194247-16), (280-141350-A-4-D), (280-141350-A-4-E MS) and (280-141350-A-4-F MSD)

Method PrecSep_0: Radium 228 Prep Batch 160-485917. The following samples were prepared at a reduced aliquot to insure sufficient volume remains if needed for analysis: MW-200 (400-194247-14), MW-201 (400-194247-15) and MW-206 (400-194247-16).

Method PrecSep-21: Radium 226 Prep Batch 160-485916. The following samples were prepared at a reduced aliquot to insure sufficient volume remains if needed for analysis: MW-200 (400-194247-14), MW-201 (400-194247-15) and MW-206 (400-194247-16).

Method Summary

Client: Gulf Power Company
ProdeEtjSite: CCc Plant Cri/ t

Job ID: 400-194247-6
SDG: DownUragient D

Method	Method Description	Protocol	Laboratory
9W18	c agium-22s 3G5PC(	SR 64s	F) T ST
9W20	c agium-226 3G5PC(	SR 64s	F) T ST
c a22sAc a226	Combineg c agium-22s ang c agium-226	F) T-SFT	F) T ST
PreESepA0	Preparation_PreEipitate Separation	L one	F) T ST
PreESep-21	Preparation_PreEipitate Separation 321-Day In-GrowtN(	L one	F) T ST

Protocol References:

L one , L one

SR 64s , hFe/ t = etNog/ 5or " MaluatinU Solig R a/ te_PNy/ iEaljCNemiEal = etNog/ h_FNrg " gition_L oMember 196s) ng It/ v pgate/ .

F) T-SFT , Fe/ t) meriEa Taboratorie/ _St. Toui/ _5aEility Stangarg OperatinU ProEegure.

Laboratory References:

F) T ST , " urofin/ Fe/ t) meriEa_St. Toui/ _1W718 c iger Frail L ortN_" artN City_= O sW048_F" T 3W14(296-68ss

" urofin/ Fe/ t) meriEa_Pen/ aEola

Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-194247-14	W3 -200	3 y G m	10 R 12 R 20 09:52	10 R 12 R 20 14:50	
400-194247-16	W3 -201	3 y G m	10 R 12 R 20 09:00	10 R 12 R 20 14:50	
400-194247-18	W3 -208	3 y G m	10 R 12 R 20 0C:45	10 R 12 R 20 14:50	

Client Sample Results

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

Job ID: 400-194247-8
SDG: Downgradient D

Client Sample ID: r x -M00
Date Cdlle/ te7: 102lM2M0 09:vM
Date Re/ ei5e7: 102lM2M0 14:v0

Lab Sample ID: 400-194M4W14
r atdc: x ateo

r ethd7: 9v13 - Ra7ium-MM6 (GFPC)

Analyte	Result	Qualifieo	Cdunt Un/ ect. (Mo+2)	Tdtal Un/ ect. (Mo+2)	RL	r DC	Unit	Pœpace7	Analyze7	Dil Fa/
Ra7ium-MM6	M14		0.471	0.509	1.00	0.302	pCi/L	10/16/20 07:53	11/14/20 09:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*40 - 110*	*10/13/20 09:56*	*11/14/20 07:11*	*1*

r ethd7: 9vM0 - Ra7ium-MM8 (GFPC)

Analyte	Result	Qualifieo	Cdunt Un/ ect. (Mo+2)	Tdtal Un/ ect. (Mo+2)	RL	r DC	Unit	Pœpace7	Analyze7	Dil Fa/
Ra7ium-MM8	Mv6		0.513	0.557	1.00	0.587	pCi/L	10/16/20 08:18	11/13/20 11:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*40 - 110*	*10/13/20 08:18*	*11/16/20 11:50*	*1*
Y Carrier	*86.0*		*40 - 110*	*10/13/20 08:18*	*11/16/20 11:50*	*1*

r ethd7: RaMM6_RaMM8 - Cdmbine7 Ra7ium-MM6 an7 Ra7ium-MM8

Analyte	Result	Qualifieo	Cdunt Un/ ect. (Mo+2)	Tdtal Un/ ect. (Mo+2)	RL	r DC	Unit	Pœpace7	Analyze7	Dil Fa/
Cdmbine7 Ra7ium MM6 + MM8	4.31		0.696	0.755	5.00	0.587	pCi/L		11/16/20 20:38	1

Client Sample ID: r x -M01
Date Cdlle/ te7: 102lM2M0 09:00
Date Re/ ei5e7: 102lM2M0 14:v0

Lab Sample ID: 400-194M4W13
r atdc: x ateo

r ethd7: 9v13 - Ra7ium-MM6 (GFPC)

Analyte	Result	Qualifieo	Cdunt Un/ ect. (Mo+2)	Tdtal Un/ ect. (Mo+2)	RL	r DC	Unit	Pœpaœ7	Analyze7	Dil Fa/
Ra7ium-MM6	M0W		0.478	0.514	1.00	0.350	pCi/L	10/16/20 07:53	11/14/20 09:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.6*		*40 - 110*	*10/13/20 09:56*	*11/14/20 07:11*	*1*

r ethd7: 9vM0 - Ra7ium-MM8 (GFPC)

Analyte	Result	Qualifieo	Cdunt Un/ ect. (Mo+2)	Tdtal Un/ ect. (Mo+2)	RL	r DC	Unit	Pœpaœ7	Analyze7	Dil Fa/
Ra7ium-MM8	4.94		0.653	0.796	1.00	0.552	pCi/L	10/16/20 08:18	11/13/20 11:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.6*		*40 - 110*	*10/13/20 08:18*	*11/16/20 11:50*	*1*
Y Carrier	*84.5*		*40 - 110*	*10/13/20 08:18*	*11/16/20 11:50*	*1*

r ethd7: RaMM6_RaMM8 - Cdmbine7 Ra7ium-MM6 an7 Ra7ium-MM8

Analyte	Result	Qualifieo	Cdunt Un/ ect. (Mo+2)	Tdtal Un/ ect. (Mo+2)	RL	r DC	Unit	Pœpaœ7	Analyze7	Dil Fa/
Cdmbine7 Ra7ium MM6 + MM8	W0M		0.809	0.948	5.00	0.552	pCi/L		11/16/20 20:38	1

Client Sample Results

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

Job ID: 400-194247-8
SDG: Downgradient D

Client Sample ID: r x -M06
Date Cdlle/ te7: 102lM2M0 08:4v
Date Re/ ei5e7: 102lM2M0 14:v0

Lab Sample ID: 400-194M4W16
r atdc: x ateo

r ethd7: 9v13 - Ra7ium-MM6 (GFPC)

Analyte	Result	Qualifieo	Cdunt Un/ ect. (Mo+2)	Tdtal Un/ ect. (Mo+2)	RL	r DC	Unit	Pœpaœ7	Analyze7	Dil Fa/
Ra7ium-MM6	v.94		0.645	0.736	1.00	0.352	pCi/L	10/16/20 07:53	11/14/20 09:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.0*		*40 - 110*	*10/13/20 09:56*	*11/14/20 07:11*	*1*

r ethd7: 9vM0 - Ra7ium-MM8 (GFPC)

Analyte	Result	Qualifieo	Cdunt Un/ ect. (Mo+2)	Tdtal Un/ ect. (Mo+2)	RL	r DC	Unit	Pœpaœ7	Analyze7	Dil Fa/
Ra7ium-MM8	3.60		0.719	0.885	1.00	0.633	pCi/L	10/16/20 08:18	11/13/20 11:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.0*		*40 - 110*	*10/13/20 08:18*	*11/16/20 11:50*	*1*
Y Carrier	*81.5*		*40 - 110*	*10/13/20 08:18*	*11/16/20 11:50*	*1*

r ethd7: RaMM6_RaMM8 - Cdmbine7 Ra7ium-MM6 an7 Ra7ium-MM8

Analyte	Result	Qualifieo	Cdunt Un/ ect. (Mo+2)	Tdtal Un/ ect. (Mo+2)	RL	r DC	Unit	Pœpaœ7	Analyze7	Dil Fa/
Cdmbine7 Ra7ium MM6 + MM8	9.34		0.966	1.15	5.00	0.633	pCi/L		11/16/20 20:38	1

Qualifiers

Rad

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

Glossary

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

Lab Chronicle

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

Job ID: 400-194247-8
SDG: Downgradient D

Client Sample ID: MW-200
Date Collected: 10/12/20 09:32
Date Received: 10/12/20 14:30

Lab Sample ID: 400-194247-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			485916	10/16/20 07:53	AVB	TAL SL
Total/NA	Analysis	9315		1	489050	11/14/20 09:11	FLC	TAL SL
Total/NA	Prep	PrecSep_0			485917	10/16/20 08:18	AVB	TAL SL
Total/NA	Analysis	9320		1	489049	11/13/20 11:50	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	489283	11/16/20 20:38	GRW	TAL SL

Client Sample ID: MW-201
Date Collected: 10/12/20 09:00
Date Received: 10/12/20 14:30

Lab Sample ID: 400-194247-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			485916	10/16/20 07:53	AVB	TAL SL
Total/NA	Analysis	9315		1	489050	11/14/20 09:11	FLC	TAL SL
Total/NA	Prep	PrecSep_0			485917	10/16/20 08:18	AVB	TAL SL
Total/NA	Analysis	9320		1	489049	11/13/20 11:50	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	489283	11/16/20 20:38	GRW	TAL SL

Client Sample ID: MW-206
Date Collected: 10/12/20 08:43
Date Received: 10/12/20 14:30

Lab Sample ID: 400-194247-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			485916	10/16/20 07:53	AVB	TAL SL
Total/NA	Analysis	9315		1	489050	11/14/20 09:11	FLC	TAL SL
Total/NA	Prep	PrecSep_0			485917	10/16/20 08:18	AVB	TAL SL
Total/NA	Analysis	9320		1	489049	11/13/20 11:50	FLC	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	489283	11/16/20 20:38	GRW	TAL SL

Laboratory References:

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

Rad

Prep Batch: 485916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194247-14	MW-200	Total/NA	Water	PrecSep-21	
400-194247-15	MW-201	Total/NA	Water	PrecSep-21	
400-194247-16	MW-206	Total/NA	Water	PrecSep-21	
MB 160-485916/24-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-485916/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
280-141350-A-4-B MS	Matrix Spike	Total/NA	Water	PrecSep-21	
280-141350-A-4-C MSD	Matrix Spike Duplicate	Total/NA	Water	PrecSep-21	

Prep Batch: 485917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194247-14	MW-200	Total/NA	Water	PrecSep_0	
400-194247-15	MW-201	Total/NA	Water	PrecSep_0	
400-194247-16	MW-206	Total/NA	Water	PrecSep_0	
MB 160-485917/24-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-485917/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
280-141350-A-4-E MS	Matrix Spike	Total/NA	Water	PrecSep_0	
280-141350-A-4-F MSD	Matrix Spike Duplicate	Total/NA	Water	PrecSep_0	

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-485916/24-A
Matrix: Water
Analysis Batch: 489050

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 485916

Analyte	MB Result	MB Qualifier	Count z ncertf (27 σ/-)	Total z ncertf (27 σ/-)	RL	MDC	z nit	Prepared	Analyzed	Dil Fac
Radium-226	0.2458	U	0.225	0.226	1.00	0.344	pCi/L	10/16/20 07:53	11/14/20 11:02	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.2*		*40 - 110*	*10/13/20 09:56*	*11/14/20 11:02*	*1*

Lab Sample ID: LCS 160-485916/1-A
Matrix: Water
Analysis Batch: 489050

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 485916

Analyte			Spike Added	LCS Result	LCS Qual	Total z ncertf (27 σ/-)	RL	MDC	z nit	. Rec	. Recf Limits		
Radium-226			15.1	13.16		1.69	1.00	0.318	pCi/L	87	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*93.0*		*40 - 110*

Lab Sample ID: 280-141350-A-4-B MS
Matrix: Water
Analysis Batch: 489050

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 485916

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total z ncertf (27 σ/-)	RL	MDC	z nit	. Rec	. Recf Limits		
Radium-226	0.301	U	15.1	16.14		1.93	1.00	0.356	pCi/L	105	75 - 138		

Carrier	*MS %Yield*	*MS Qualifier*	*Limits*
Ba Carrier	*84.8*		*40 - 110*

Lab Sample ID: 280-141350-A-4-C MSD
Matrix: Water
Analysis Batch: 489050

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 485916

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total z ncertf (27 σ/-)	RL	MDC	z nit	. Rec	. Recf Limits	R%R	R%R Limit
Radium-226	0.301	U	15.1	13.85		1.70	1.00	0.296	pCi/L	90	75 - 138	0.63	1

Carrier	*MSD %Yield*	*MSD Qualifier*	*Limits*
Ba Carrier	*86.7*		*40 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-48591E/24-A
Matrix: Water
Analysis Batch: 489049

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48591E

Analyte	MB Result	MB Qualifier	Count z ncertf (27 σ/-)	Total z ncertf (27 σ/-)	RL	MDC	z nit	Prepared	Analyzed	Dil Fac
Radium-228	0.2636	U	0.331	0.331	1.00	0.548	pCi/L	10/16/20 08:18	11/13/20 11:51	1

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

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	84.2		40 - 110	10/13/20 08:18	11/16/20 11:51	1
Y Carrier	88.3		40 - 110	10/13/20 08:18	11/16/20 11:51	1

Lab Sample ID: LCS 160-48591E/1-A
Matrix: Water
Analysis Batch: 489048

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 48591E

Analyte			Spike Added	LCS Result	LCS Qual	Total z ncertf (27 σ/-)	RL	MDC	z nit	. Rec	. Recf Limits		
Radium-228			10.2	11.09		1.42	1.00	0.727	pCi/L	109	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	93.0		40 - 110
Y Carrier	86.9		40 - 110

Lab Sample ID: 280-141350-A-4-%MS
Matrix: Water
Analysis Batch: 489048

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 48591E

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total z ncertf (27 σ/-)	RL	MDC	z nit	. Rec	. Recf Limits		
Radium-228	0.425	U	10.2	11.59		1.42	1.00	0.564	pCi/L	109	45 - 150		

Carrier	MS %Yield	MS Qualifier	Limits
Ba Carrier	84.8		40 - 110
Y Carrier	86.9		40 - 110

Lab Sample ID: 280-141350-A-4-F MSD
Matrix: Water
Analysis Batch: 489048

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 48591E

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total z ncertf (27 σ/-)	RL	MDC	z nit	. Rec	. Recf Limits	R%R	R%R Limit
Radium-228	0.425	U	10.2	12.03		1.47	1.00	0.624	pCi/L	114	45 - 150	0.15	1

Carrier	MSD %Yield	MSD Qualifier	Limits
Ba Carrier	86.7		40 - 110
Y Carrier	86.9		40 - 110

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

Chain of Custody Record

eurofins Environment Testing America

400-194247 COC

Client Information	Sampler: Philip Evans / Brett Surles	Lab PM: Whitmire, Cheyenne R	rrier Tracking No(s):	COC No: 400-96741-23630.1
Client Contact: Barry Evans	Phone: 850-336-0192	E-Mail: Cheyenne.Whitmire@Eurofinset.com		Page: Page 1 of 1
Company: Gulf Power Company				Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520				
Phone: 850-444-6427(Tel)	PO #: 2000339513			
Email: Barry.Evans@nexteraenergy.com	WO #: 3000004117			
Project Name: CCR Plant Crist	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
Preservation Code:							D	N	N	D	N	N		
MW-200	10/12/20	0932	G	Water			X	X	X	X	X	X		
MW-201	10/12/20	0900	G	Water			X	X	X	X	X	X		
MW-206	10/12/20	0843	G	Water			X	X	X	X	X	X		
~~Dup~~				Water										
				Water										

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
		10/12/20 1430	RDM	Kathy R Avery	10-12-20 1430	ETA
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.9°C, 1.4°C IR9

Ver: 01/16/2019

11/22/2020

Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 400-194247-S
Dg G Number: g owndra/ ient g

Login Number: 194247
List Number: 1
Creator: Whitley, Adrian

List Source: Eurofins TestAmerica, Pensacola

Question	Answer	Comment
c a/ ioavtisity wa' nh vkev<e/ or i' =A bav<droun/ a' mea' ure/ by a ' ursey meterT	NÆR	
, ke voolerh vu' to/ y ' eal8if pre' ent8i' intavtT	NÆR	
Dample vu' to/ y ' eal' 8if pre' ent8are intavtT	NÆR	
, ke vooler or ' ample' / o not appear to kase been vompromi' e/ or tampere/ witkT	, rue	
Dample' were reveise/ on iveT	, rue	
Cooler , emperature i' avveptableT	, rue	
Cooler , emperature i' revor/ e/ T	, rue	4TS85T180TD°C Ic 983T9°C81T4°C Ic -9
COC i' pre' entT	, rue	
COC i' fille/ out in in< an/ ledibleT	, rue	
COC i' fille/ out witk all pertinent informationT	, rue	
I' tke Fiel/ Damplerh name pre' ent on COC?	, rue	
, kere are no / i' vrepanvie' between tke vontainer' reveise/ an/ tke COCT	, rue	
Dample' are reveise/ witkin Hol/ ind , ime (exvlu/ ind te' t' witk imme/ iate H, ')	, rue	
Dample vontainer' kase ledible label' T	, rue	
Container' are not bro<en or lea<indT	, rue	
Dample vollevtion / ateAime' are prosi/ e/ T	, rue	
Rppropriate ' ample vontainer' are u' e/ T	, rue	
Dample bottle' are vompletely fille/ T	, rue	
Dample Pre' ersation Verifie/ T	, rue	
, kere i' ' uffivient solTfor all reque' te/ analy' e' 8invlTany reque' te/ MDAMDg '	, rue	
Container' requirind zero kea/ ' pave kase no kea/ ' pave or bubble i' =6mm (1A4")T	NÆR	
Multipka' iv ' ample' are not pre' entT	, rue	
Dample' / o not require ' plittind or vompo' itindT	, rue	
c e' i/ ual Cklorine Ckev<e/ T	NÆR	

Accreditation/Certification Summary

Client: Gulf Power Company
Pro/eSt Rs ite: CCB Plant Crikt

Job ID: 400-19424j -c
s DG: Downgradient D

Laboratory: Eurofins TestAmerica, StPLouis

All aSSreditationk RSertifiSationk held by thik laboratory are likted. Not all aSSreditationk RSertifiSationk are appliSable to thik report.

Autl ority	hrogram	Identification Number	Expiration Date
Alak(a UTs) 5	s tate	20-001	06-0E-22
ANAL	Dept. of Defenke 3 OAP	O2706	04-0E-22
ANAL	Dept. of 3 nergy	O2706.01	04-0E-22
ANAL	Is z R3 C 1j 026	O2706	04-0E-22
AriZona	s tate	A80c17	12-0c-20
California	Cok Angelek County s anitation DiktriStk	10269	0E-70-21
California	s tate	2ccE	0E-70-21
ConneStiSut	s tate	PH-0241	07-71-21
Florida	N3 OAP	3 cj Ec9	0E-70-21
HI - BadChem BeSognition	s tate	nRa	0E-70-21
Illinoik	N3 OAP	004667	11-70-20
Iowa	s tate	7j 7	12-01-20
KentuS(y UDW5	s tate	KY90126	12-71-20
Couikiana	N3 OAP	040c0	0E-70-21
Couikiana UDW5	s tate	OA011	12-71-20
Maryland	s tate	710	09-70-21
MI - BadChem BeSognition	s tate	9006	0E-70-21
Mikkouri	s tate	j c0	0E-70-22
Nevada	s tate	Mz 000642020-1	0j -71-21
New Jerkey	N3 OAP	Mz 002	0E-70-21
New Yor(	N3 OAP	11E1E	04-01-21
North Da(ota	s tate	B-20j	0E-70-21
NBC	NBC	24-24c1j -01	12-71-22
z (lahoma	s tate	999j	0c-71-21
z regon	N3 OAP	416j	09-01-21
Pennkylvania	N3 OAP	Ec-00640	02-2c-21
s outh Carolina	s tate	c6002001	0E-70-21
) exak	N3 OAP	) 104j 04197-19-17	0j -71-21
Ts Fikh & Wildlife	Ts Federal Programk	06c44c	0j -71-21
Ts DA	Ts Federal Programk	P770-1j -0002c	07-11-27
Ttah	N3 OAP	Mz 000642019-11	0j -71-21
Virginia	N3 OAP	10710	0E-14-21
Wakhington	s tate	C692	0c-70-21
Wekt Virginia D3 P	s tate	7c1	10-71-21

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ANALYTICAL REPORT

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

Laboratory Job ID: 400-194296-1
Laboratory Sample Delivery Group: GSA Delineation Sampling
Client Project/Site: CCR Plant Crist
Revision: 1

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

Attn: Barry Evans

Authorized for release by:
1/8/2021 4:26:57 PM
Isabel Enfinger, Project Mgmt. Assistant
(850)471-6237
isabel.enfinger@Eurofinset.com

Designee for

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

LINKS

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

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Job ID: 400-194297-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-194297-1

Metals

Method 6020: The method blank for preparation batch 400-506761 and analytical batch 400-507590 contained Arsenic above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6020: The continuing calibration verification (CCV) associated with batch 400-507590 recovered above the upper control limit for Boron. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: EB-04 (400-194296-8) and (MB 400-506761/1-A ^5).

Method 6020: CRI recovery outside SOP's criteria for Thallium (153%). Associated samples is either ND, below the reporting limit (RL) or 10x the CRI; therefore data is report. PZ-201D (400-194296-1), PZ-203D (400-194296-2), PZ-200D (400-194296-5), FB-04 (400-194296-7), EB-04 (400-194296-8) and (MB 400-506761/1-A ^5)

General Chemistry

Method SM 2540C: The sample duplicate (DUP) precision for analytical batch 400-507208 was outside control limits. Sample non-homogeneity is suspected.

Method SM 2540C: The sample duplicate (DUP) precision for analytical batch 400-507233 was outside control limits. Sample non-homogeneity is suspected.

Method SM 2540C: Reanalysis of the following samples were performed outside of the analytical holding time due to the verifying the weight found on the blanks: FB-04 (400-194296-7) and EB-04 (400-194296-8).

Method SM 2540C: The sample duplicate (DUP) precision for analytical batch 400-507879 was outside control limits. Sample non-homogeneity is suspected.

Method SM 4500 F C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-507691 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 following samples were diluted to bring the concentration of target analytes within the calibration range: PZ-200S (400-194296-4) and GSA-2S (400-194296-6). Elevated reporting limits (RLs) are provided.

Detection Summary

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

Job ID: 400-194296-1
SDG: GSA Delineation Sampling

Client Sample ID: PZ-201D — Lab Sample ID: 400-194296-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.060		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	0.036	I	0.050	0.018	mg/L	5		6020	Total Recoverable
Calcium	9.2		0.25	0.13	mg/L	5		6020	Total Recoverable
Chromium	0.0014	I	0.0025	0.0010	mg/L	5		6020	Total Recoverable
Lithium	0.022		0.0050	0.0019	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	88		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	4.8		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.060	I	0.10	0.032	mg/L	1		SM 4500 F C	Total/NA
Field pH	7.03				SU	1		Field Sampling	Total/NA

Client Sample ID: PZ-203D — Lab Sample ID: 400-194296-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.021		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Calcium	4.0		0.25	0.13	mg/L	5		6020	Total Recoverable
Lithium	0.0092		0.0050	0.0019	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	46		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	4.1		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	4.4	I	5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	6.65				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-2032/GE-1D — Lab Sample ID: 400-194296-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00093	I V	0.0013	0.00039	mg/L	5		6020	Total Recoverable
Barium	0.087		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	0.064		0.050	0.018	mg/L	5		6020	Total Recoverable
Calcium	160		0.50	0.25	mg/L	10		6020	Total Recoverable
Chromium	0.0033		0.0025	0.0010	mg/L	5		6020	Total Recoverable
Cobalt	0.00061	I	0.0025	0.00056	mg/L	5		6020	Total Recoverable
Lithium	0.010		0.0050	0.0019	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	1100		10	10	mg/L	1		SM 2540C	Total/NA
Chloride	240		10	7.0	mg/L	5		SM 4500 Cl- E	Total/NA
Sulfate	5.8		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	7.21				SU	1		Field Sampling	Total/NA

Client Sample ID: PZ-200S — Lab Sample ID: 400-194296-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00053	I V	0.0013	0.00039	mg/L	5		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: PZ-200S (Continued) — Lab Sample ID: 400-194296-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.041		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	7.8		2.0	0.72	mg/L	200		6020	Total Recoverable
Calcium	170		10	5.0	mg/L	200		6020	Total Recoverable
Cobalt	0.0018	I	0.0025	0.00056	mg/L	5		6020	Total Recoverable
Lead	0.00032	I	0.0013	0.00029	mg/L	5		6020	Total Recoverable
Selenium	0.0018		0.0013	0.00082	mg/L	5		6020	Total Recoverable
Thallium	0.00019	I	0.00050	0.00012	mg/L	5		6020	Total Recoverable
Mercury	0.00023		0.00020	0.000070	mg/L	1		7470A	Total/NA
Total Dissolved Solids	1100		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	300		20	14	mg/L	10		SM 4500 Cl- E	Total/NA
Sulfate	140		25	7.0	mg/L	5		SM 4500 SO4 E	Total/NA
Field pH	5.08				SU	1		Field Sampling	Total/NA

Client Sample ID: PZ-200D — Lab Sample ID: 400-194296-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00088	I V	0.0013	0.00039	mg/L	5		6020	Total Recoverable
Barium	0.029		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	0.023	I	0.050	0.018	mg/L	5		6020	Total Recoverable
Calcium	4.7		0.25	0.13	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	76		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	3.8		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.070	I	0.10	0.032	mg/L	1		SM 4500 F C	Total/NA
Sulfate	9.0		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	6.79				SU	1		Field Sampling	Total/NA

Client Sample ID: GSA-2S — Lab Sample ID: 400-194296-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.086		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	6.1		1.0	0.36	mg/L	100		6020	Total Recoverable
Calcium	130		1.3	0.63	mg/L	25		6020	Total Recoverable
Cobalt	0.0015	I	0.0025	0.00056	mg/L	5		6020	Total Recoverable
Lead	0.0013		0.0013	0.00029	mg/L	5		6020	Total Recoverable
Selenium	0.0036		0.0013	0.00082	mg/L	5		6020	Total Recoverable
Thallium	0.00014	I	0.00050	0.00012	mg/L	5		6020	Total Recoverable
Mercury	0.000096	I	0.00020	0.000070	mg/L	1		7470A	Total/NA
Total Dissolved Solids	88		5.0	5.0	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: GSA-2S (Continued) — Lab Sample ID: 400-194296-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	220		10	7.0	mg/L	5		SM 4500 Cl- E	Total/NA
Fluoride	0.050	I	0.10	0.032	mg/L	1		SM 4500 F C	Total/NA
Sulfate	100		25	7.0	mg/L	5		SM 4500 SO4 E	Total/NA
Field pH	4.27				SU	1		Field Sampling	Total/NA

Client Sample ID: FB-04 — Lab Sample ID: 400-194296-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	110		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: EB-04 — Lab Sample ID: 400-194296-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00082	I V	0.0013	0.00039	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	900		5.0	5.0	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Method	Method Description	Protocol	Laboratory
7020	sirpCWf5fEsy8	y/R47	6SMf()
T4T0S	siwdGwaW7ASS8	y/R47	6SMf()
ys 2L405	yoCNcV6orpCDIccoCiNW7Dy8	ys	6SMf()
ys 4L00 5G(	5vGowNiV6orpC	ys	6SMf()
ys 4L00 h5	hCGowNi	ys	6SMf()
ys 4L00 yF4(	yGCpriV6orpC	ys	6SMf()
hliCNypr mCeU	hliCNypr mCeU	(fS	6SMf()
C00LS	fwirnpvprhoeV6orpCjido,iwpbCowDIccoCiNsirpCC	y/R47	6SMf()
T4T0S	fwirnpvprhoeVsiwdGwa	y/R47	6SMf()

Protocol References:

(fS3=y(e,lwoer ierpCfworidrhoeSUieda

ys 3"yrpeNpwNsinvoNchow6vi(xprlepnhoeFu/priwSeN/pcriPpriw

y/R473"6icnsinvoNchow(,pCGpnleUyoCN/pcriVfvacldpCE5virldpCsinvoNc"V6vlwN(NnhoeV)o,irbiw19R7SeNlnc=mNpnic.

Laboratory References:

6SMf() 3(GwoulecGicnSriwdpVfiecpdoCpVCCLLsdMrowiDwi,iVfiecpdoCpVhMC2L14V6(MWRL084T4-1001

Sample Summary

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

Job ID: 400-194296-1
SDG: GSA Delineation Sampling

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-194296-1	PZ-201D	Water	10/12/20 11:04	10/12/20 14:30	
400-194296-2	PZ-203D	Water	10/12/20 13:00	10/12/20 14:30	
400-194296-3	MW-2032/GE-1D	Water	10/12/20 12:14	10/12/20 14:30	
400-194296-4	PZ-200S	Water	10/13/20 08:25	10/13/20 14:05	
400-194296-5	PZ-200D	Water	10/13/20 07:41	10/13/20 14:05	
400-194296-6	GSA-2S	Water	10/13/20 08:30	10/13/20 14:05	
400-194296-7	FB-04	Water	10/12/20 12:55	10/13/20 14:05	
400-194296-8	EB-04	Water	10/13/20 08:00	10/13/20 14:05	

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

Job ID: 400-194296-1
SDG: GSA Delineation Sampling

Client Sample ID: PZ-201D

Date Collected: 10/12/20 11:04
Date Received: 10/12/20 14:30

Lab Sample ID: 400-194296-1

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		10/14/20 11:52	10/20/20 20:45	5
Arsenic	0.00039	U	0.0013	0.00039	mg/L		10/14/20 11:52	10/22/20 18:33	5
Barium	**0.060**		0.0025	0.00070	mg/L		10/14/20 11:52	10/20/20 20:45	5
Beryllium	0.00017	U	0.0025	0.00017	mg/L		10/14/20 11:52	10/20/20 20:45	5
Boron	**0.036**	**I**	0.050	0.018	mg/L		10/14/20 11:52	10/23/20 15:40	5
Cadmium	0.00028	U	0.0025	0.00028	mg/L		10/14/20 11:52	10/20/20 20:45	5
Calcium	**9.2**		0.25	0.13	mg/L		10/14/20 11:52	10/20/20 20:45	5
Chromium	**0.0014**	**I**	0.0025	0.0010	mg/L		10/14/20 11:52	10/20/20 20:45	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		10/14/20 11:52	10/20/20 20:45	5
Lead	0.00029	U	0.0013	0.00029	mg/L		10/14/20 11:52	10/20/20 20:45	5
Lithium	**0.022**		0.0050	0.0019	mg/L		10/14/20 11:52	10/20/20 20:45	5
Molybdenum	0.0045	U	0.015	0.0045	mg/L		10/14/20 11:52	10/20/20 20:45	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		10/14/20 11:52	10/20/20 20:45	5
Thallium	0.00012	U	0.00050	0.00012	mg/L		10/14/20 11:52	10/20/20 20:45	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000070	U	0.00020	0.000070	mg/L		10/13/20 16:12	10/13/20 19:06	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**88**		5.0	5.0	mg/L			10/16/20 20:21	1
Chloride	**4.8**		2.0	1.4	mg/L			10/20/20 14:15	1
Fluoride	**0.060**	**I**	0.10	0.032	mg/L			10/21/20 14:54	1
Sulfate	1.4	U	5.0	1.4	mg/L			10/23/20 14:03	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.03**				SU			10/12/20 11:04	1

Client Sample ID: PZ-203D

Date Collected: 10/12/20 13:00
Date Received: 10/12/20 14:30

Lab Sample ID: 400-194296-2

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		10/14/20 11:52	10/20/20 20:49	5
Arsenic	0.00039	U	0.0013	0.00039	mg/L		10/14/20 11:52	10/20/20 20:49	5
Barium	**0.021**		0.0025	0.00070	mg/L		10/14/20 11:52	10/20/20 20:49	5
Beryllium	0.00017	U	0.0025	0.00017	mg/L		10/14/20 11:52	10/20/20 20:49	5
Boron	0.018	U	0.050	0.018	mg/L		10/14/20 11:52	10/23/20 15:44	5
Cadmium	0.00028	U	0.0025	0.00028	mg/L		10/14/20 11:52	10/20/20 20:49	5
Calcium	**4.0**		0.25	0.13	mg/L		10/14/20 11:52	10/20/20 20:49	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		10/14/20 11:52	10/20/20 20:49	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		10/14/20 11:52	10/20/20 20:49	5
Lead	0.00029	U	0.0013	0.00029	mg/L		10/14/20 11:52	10/20/20 20:49	5
Lithium	**0.0092**		0.0050	0.0019	mg/L		10/14/20 11:52	10/20/20 20:49	5
Molybdenum	0.0045	U	0.015	0.0045	mg/L		10/14/20 11:52	10/20/20 20:49	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		10/14/20 11:52	10/20/20 20:49	5
Thallium	0.00012	U	0.00050	0.00012	mg/L		10/14/20 11:52	10/20/20 20:49	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000070	U	0.00020	0.000070	mg/L		10/13/20 16:12	10/13/20 19:13	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**46**		5.0	5.0	mg/L			10/16/20 20:21	1
Chloride	**4.1**		2.0	1.4	mg/L			10/20/20 14:15	1
Fluoride	0.032	U	0.10	0.032	mg/L			10/21/20 14:57	1
Sulfate	**4.4**	**I**	5.0	1.4	mg/L			10/23/20 14:03	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.65**				SU			10/12/20 13:00	1

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

Job ID: 400-194296-1
SDG: GSA Delineation Sampling

Client Sample ID: MW-2032/GE-1D

Date Collected: 10/12/20 12:14
Date Received: 10/12/20 14:30

Lab Sample ID: 400-194296-3

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		10/14/20 11:52	10/20/20 21:09	5
Arsenic	**0.00093**	**I V**	0.0013	0.00039	mg/L		10/14/20 11:52	10/20/20 21:09	5
Barium	**0.087**		0.0025	0.00070	mg/L		10/14/20 11:52	10/20/20 21:09	5
Beryllium	0.00017	U	0.0025	0.00017	mg/L		10/14/20 11:52	10/20/20 21:09	5
Boron	**0.064**		0.050	0.018	mg/L		10/14/20 11:52	10/23/20 15:56	5
Cadmium	0.00028	U	0.0025	0.00028	mg/L		10/14/20 11:52	10/20/20 21:09	5
Calcium	**160**		0.50	0.25	mg/L		10/14/20 11:52	10/22/20 18:56	10
Chromium	**0.0033**		0.0025	0.0010	mg/L		10/14/20 11:52	10/20/20 21:09	5
Cobalt	**0.00061**	**I**	0.0025	0.00056	mg/L		10/14/20 11:52	10/20/20 21:09	5
Lead	0.00029	U	0.0013	0.00029	mg/L		10/14/20 11:52	10/20/20 21:09	5
Lithium	**0.010**		0.0050	0.0019	mg/L		10/14/20 11:52	10/20/20 21:09	5
Molybdenum	0.0045	U	0.015	0.0045	mg/L		10/14/20 11:52	10/20/20 21:09	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		10/14/20 11:52	10/20/20 21:09	5
Thallium	0.00012	U	0.00050	0.00012	mg/L		10/14/20 11:52	10/22/20 18:52	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000070	U	0.00020	0.000070	mg/L		10/13/20 16:12	10/13/20 19:15	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1100**		10	10	mg/L			10/16/20 20:21	1
Chloride	**240**		10	7.0	mg/L			10/20/20 14:39	5
Fluoride	0.032	U	0.10	0.032	mg/L			10/21/20 15:01	1
Sulfate	**5.8**		5.0	1.4	mg/L			10/23/20 14:03	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.21**				SU			10/12/20 12:14	1

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

Job ID: 400-194296-1
SDG: GSA Delineation Sampling

Client Sample ID: PZ-200S

Date Collected: 10/13/20 08:25
Date Received: 10/13/20 14:05

Lab Sample ID: 400-194296-4

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		10/14/20 11:52	10/20/20 21:13	5
Arsenic	**0.00053**	**I V**	0.0013	0.00039	mg/L		10/14/20 11:52	10/20/20 21:13	5
Barium	**0.041**		0.0025	0.00070	mg/L		10/14/20 11:52	10/20/20 21:13	5
Beryllium	0.00017	U	0.0025	0.00017	mg/L		10/14/20 11:52	10/20/20 21:13	5
Boron	**7.8**		2.0	0.72	mg/L		10/14/20 11:52	10/23/20 16:00	200
Cadmium	0.00028	U	0.0025	0.00028	mg/L		10/14/20 11:52	10/20/20 21:13	5
Calcium	**170**		10	5.0	mg/L		10/14/20 11:52	10/22/20 19:12	200
Chromium	0.0010	U	0.0025	0.0010	mg/L		10/14/20 11:52	10/20/20 21:13	5
Cobalt	**0.0018**	**I**	0.0025	0.00056	mg/L		10/14/20 11:52	10/20/20 21:13	5
Lead	**0.00032**	**I**	0.0013	0.00029	mg/L		10/14/20 11:52	10/20/20 21:13	5
Lithium	0.0019	U	0.0050	0.0019	mg/L		10/14/20 11:52	10/20/20 21:13	5
Molybdenum	0.0045	U	0.015	0.0045	mg/L		10/14/20 11:52	10/20/20 21:13	5
Selenium	**0.0018**		0.0013	0.00082	mg/L		10/14/20 11:52	10/20/20 21:13	5
Thallium	**0.00019**	**I**	0.00050	0.00012	mg/L		10/14/20 11:52	10/22/20 19:00	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00023**		0.00020	0.000070	mg/L		10/13/20 16:12	10/13/20 19:17	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1100**		5.0	5.0	mg/L			10/18/20 00:37	1
Chloride	**300**		20	14	mg/L			10/23/20 12:32	10
Fluoride	0.032	U	0.10	0.032	mg/L			10/21/20 15:09	1
Sulfate	**140**		25	7.0	mg/L			10/23/20 15:22	5

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.08**				SU			10/13/20 08:25	1

Client Sample ID: PZ-200D

Date Collected: 10/13/20 07:41
Date Received: 10/13/20 14:05

Lab Sample ID: 400-194296-5

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		10/14/20 11:52	10/20/20 21:24	5
Arsenic	**0.00088**	**I V**	0.0013	0.00039	mg/L		10/14/20 11:52	10/20/20 21:24	5
Barium	**0.029**		0.0025	0.00070	mg/L		10/14/20 11:52	10/20/20 21:24	5
Beryllium	0.00017	U	0.0025	0.00017	mg/L		10/14/20 11:52	10/20/20 21:24	5
Boron	**0.023**	**I**	0.050	0.018	mg/L		10/14/20 11:52	10/23/20 16:04	5
Cadmium	0.00028	U	0.0025	0.00028	mg/L		10/14/20 11:52	10/20/20 21:24	5
Calcium	**4.7**		0.25	0.13	mg/L		10/14/20 11:52	10/20/20 21:24	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		10/14/20 11:52	10/20/20 21:24	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		10/14/20 11:52	10/20/20 21:24	5
Lead	0.00029	U	0.0013	0.00029	mg/L		10/14/20 11:52	10/20/20 21:24	5
Lithium	0.0019	U	0.0050	0.0019	mg/L		10/14/20 11:52	10/20/20 21:24	5
Molybdenum	0.0045	U	0.015	0.0045	mg/L		10/14/20 11:52	10/20/20 21:24	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		10/14/20 11:52	10/20/20 21:24	5
Thallium	0.00012	U	0.00050	0.00012	mg/L		10/14/20 11:52	10/20/20 21:24	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000070	U	0.00020	0.000070	mg/L		10/13/20 16:12	10/13/20 19:23	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**76**		5.0	5.0	mg/L			10/18/20 00:37	1
Chloride	**3.8**		2.0	1.4	mg/L			10/23/20 11:56	1
Fluoride	**0.070**	**I**	0.10	0.032	mg/L			10/21/20 15:12	1
Sulfate	**9.0**		5.0	1.4	mg/L			10/23/20 15:09	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.79**				SU			10/13/20 07:41	1

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

Job ID: 400-194296-1
SDG: GSA Delineation Sampling

Client Sample ID: GSA-2S
Date Collected: 10/13/20 08:30
Date Received: 10/13/20 14:05

Lab Sample ID: 400-194296-6
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		10/14/20 11:52	10/20/20 21:28	5
Arsenic	0.00039	U	0.0013	0.00039	mg/L		10/14/20 11:52	10/22/20 19:19	5
Barium	**0.086**		0.0025	0.00070	mg/L		10/14/20 11:52	10/20/20 21:28	5
Beryllium	0.00017	U	0.0025	0.00017	mg/L		10/14/20 11:52	10/20/20 21:28	5
Boron	**6.1**		1.0	0.36	mg/L		10/14/20 11:52	10/23/20 16:07	100
Cadmium	0.00028	U	0.0025	0.00028	mg/L		10/14/20 11:52	10/20/20 21:28	5
Calcium	**130**		1.3	0.63	mg/L		10/14/20 11:52	10/22/20 19:23	25
Chromium	0.0010	U	0.0025	0.0010	mg/L		10/14/20 11:52	10/20/20 21:28	5
Cobalt	**0.0015**	**I**	0.0025	0.00056	mg/L		10/14/20 11:52	10/20/20 21:28	5
Lead	**0.0013**		0.0013	0.00029	mg/L		10/14/20 11:52	10/20/20 21:28	5
Lithium	0.0019	U	0.0050	0.0019	mg/L		10/14/20 11:52	10/20/20 21:28	5
Molybdenum	0.0045	U	0.015	0.0045	mg/L		10/14/20 11:52	10/20/20 21:28	5
Selenium	**0.0036**		0.0013	0.00082	mg/L		10/14/20 11:52	10/20/20 21:28	5
Thallium	**0.00014**	**I**	0.00050	0.00012	mg/L		10/14/20 11:52	10/22/20 19:19	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000096**	**I**	0.00020	0.000070	mg/L		10/13/20 16:12	10/13/20 19:25	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**88**		5.0	5.0	mg/L			10/18/20 00:37	1
Chloride	**220**		10	7.0	mg/L			10/23/20 12:15	5
Fluoride	**0.050**	**I**	0.10	0.032	mg/L			10/21/20 15:30	1
Sulfate	**100**		25	7.0	mg/L			10/23/20 15:32	5

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.27**				SU			10/13/20 08:30	1

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

Job ID: 400-194296-1
SDG: GSA Delineation Sampling

Client Sample ID: FB-04

Date Collected: 10/12/20 12:55
Date Received: 10/13/20 14:05

Lab Sample ID: 400-194296-7

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		10/14/20 11:52	10/20/20 21:32	5
Arsenic	0.00039	U	0.0013	0.00039	mg/L		10/14/20 11:52	10/20/20 21:32	5
Barium	0.00070	U	0.0025	0.00070	mg/L		10/14/20 11:52	10/20/20 21:32	5
Beryllium	0.00017	U	0.0025	0.00017	mg/L		10/14/20 11:52	10/20/20 21:32	5
Boron	0.018	U	0.050	0.018	mg/L		10/14/20 11:52	10/28/20 10:37	5
Cadmium	0.00028	U	0.0025	0.00028	mg/L		10/14/20 11:52	10/20/20 21:32	5
Calcium	0.13	U	0.25	0.13	mg/L		10/14/20 11:52	10/20/20 21:32	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		10/14/20 11:52	10/20/20 21:32	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		10/14/20 11:52	10/20/20 21:32	5
Lead	0.00029	U	0.0013	0.00029	mg/L		10/14/20 11:52	10/20/20 21:32	5
Lithium	0.0019	U	0.0050	0.0019	mg/L		10/14/20 11:52	10/20/20 21:32	5
Molybdenum	0.0045	U	0.015	0.0045	mg/L		10/14/20 11:52	10/20/20 21:32	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		10/14/20 11:52	10/20/20 21:32	5
Thallium	0.00012	U	0.00050	0.00012	mg/L		10/14/20 11:52	10/20/20 21:32	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000070	U	0.00020	0.000070	mg/L		10/13/20 16:12	10/13/20 19:27	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**110**		5.0	5.0	mg/L			10/16/20 20:21	1
Total Dissolved Solids	5.0	U Q	5.0	5.0	mg/L			10/22/20 20:50	1
Chloride	1.4	U	2.0	1.4	mg/L			10/23/20 11:56	1
Fluoride	0.032	U	0.10	0.032	mg/L			10/21/20 15:05	1
Sulfate	1.4	U	5.0	1.4	mg/L			10/23/20 15:09	1

Client Sample Results

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

Job ID: 400-194296-1
SDG: GSA Delineation Sampling

Client Sample ID: EB-04

Date Collected: 10/13/20 08:00
Date Received: 10/13/20 14:05

Lab Sample ID: 400-194296-8

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		10/14/20 11:52	10/20/20 21:36	5
Arsenic	**0.00082**	**I V**	0.0013	0.00039	mg/L		10/14/20 11:52	10/20/20 21:36	5
Barium	0.00070	U	0.0025	0.00070	mg/L		10/14/20 11:52	10/20/20 21:36	5
Beryllium	0.00017	U	0.0025	0.00017	mg/L		10/14/20 11:52	10/20/20 21:36	5
Boron	0.018	U	0.050	0.018	mg/L		10/14/20 11:52	10/20/20 21:36	5
Cadmium	0.00028	U	0.0025	0.00028	mg/L		10/14/20 11:52	10/20/20 21:36	5
Calcium	0.13	U	0.25	0.13	mg/L		10/14/20 11:52	10/20/20 21:36	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		10/14/20 11:52	10/20/20 21:36	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		10/14/20 11:52	10/20/20 21:36	5
Lead	0.00029	U	0.0013	0.00029	mg/L		10/14/20 11:52	10/20/20 21:36	5
Lithium	0.0019	U	0.0050	0.0019	mg/L		10/14/20 11:52	10/20/20 21:36	5
Molybdenum	0.0045	U	0.015	0.0045	mg/L		10/14/20 11:52	10/20/20 21:36	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		10/14/20 11:52	10/20/20 21:36	5
Thallium	0.00012	U	0.00050	0.00012	mg/L		10/14/20 11:52	10/20/20 21:36	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000070	U	0.00020	0.000070	mg/L		10/13/20 16:12	10/13/20 19:29	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**900**		5.0	5.0	mg/L			10/18/20 00:37	1
Total Dissolved Solids	5.0	U Q	5.0	5.0	mg/L			10/22/20 20:50	1
Chloride	1.4	U	2.0	1.4	mg/L			10/23/20 12:01	1
Fluoride	0.032	U	0.10	0.032	mg/L			10/21/20 15:34	1
Sulfate	1.4	U	5.0	1.4	mg/L			10/23/20 15:09	1

Qualifiers

Metals

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.
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.
Q	Sample held beyond the accepted holding time.
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

Client Sample ID: PZ-201D
Date Collected: 10/12/20 11:04
Date Received: 10/12/20 14:30

Lab Sample ID: 400-194296-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			506761	10/14/20 11:52	NET	TAL PEN
Total Recoverable	Analysis	6020		5	507590	10/20/20 20:45	LDC	TAL PEN
Total Recoverable	Prep	3005A			506761	10/14/20 11:52	NET	TAL PEN
Total Recoverable	Analysis	6020		5	507927	10/22/20 18:33	LDC	TAL PEN
Total Recoverable	Prep	3005A			506761	10/14/20 11:52	NET	TAL PEN
Total Recoverable	Analysis	6020		5	508147	10/23/20 15:40	LDC	TAL PEN
Total/NA	Prep	7470A			506670	10/13/20 16:12	NET	TAL PEN
Total/NA	Analysis	7470A		1	506723	10/13/20 19:06	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	507208	10/16/20 20:21	DEK	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	507524	10/20/20 14:15	NT	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	507691	10/21/20 14:54	RRC	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		1	508036	10/23/20 14:03	NT	TAL PEN
Total/NA	Analysis	Field Sampling		1	508058	10/12/20 11:04	EHS	TAL PEN

Client Sample ID: PZ-203D
Date Collected: 10/12/20 13:00
Date Received: 10/12/20 14:30

Lab Sample ID: 400-194296-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			506761	10/14/20 11:52	NET	TAL PEN
Total Recoverable	Analysis	6020		5	507590	10/20/20 20:49	LDC	TAL PEN
Total Recoverable	Prep	3005A			506761	10/14/20 11:52	NET	TAL PEN
Total Recoverable	Analysis	6020		5	508147	10/23/20 15:44	LDC	TAL PEN
Total/NA	Prep	7470A			506670	10/13/20 16:12	NET	TAL PEN
Total/NA	Analysis	7470A		1	506723	10/13/20 19:13	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	507208	10/16/20 20:21	DEK	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	507524	10/20/20 14:15	NT	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	507691	10/21/20 14:57	RRC	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		1	508036	10/23/20 14:03	NT	TAL PEN
Total/NA	Analysis	Field Sampling		1	508058	10/12/20 13:00	EHS	TAL PEN

Client Sample ID: MW-2032/GE-1D
Date Collected: 10/12/20 12:14
Date Received: 10/12/20 14:30

Lab Sample ID: 400-194296-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			506761	10/14/20 11:52	NET	TAL PEN
Total Recoverable	Analysis	6020		5	507590	10/20/20 21:09	LDC	TAL PEN
Total Recoverable	Prep	3005A			506761	10/14/20 11:52	NET	TAL PEN
Total Recoverable	Analysis	6020		5	507927	10/22/20 18:52	LDC	TAL PEN
Total Recoverable	Prep	3005A			506761	10/14/20 11:52	NET	TAL PEN
Total Recoverable	Analysis	6020		10	507927	10/22/20 18:56	LDC	TAL PEN
Total Recoverable	Prep	3005A			506761	10/14/20 11:52	NET	TAL PEN
Total Recoverable	Analysis	6020		5	508147	10/23/20 15:56	LDC	TAL PEN

Client Sample ID: MW-2032/GE-1D

Lab Sample ID: 400-194296-3

Date Collected: 10/12/20 12:14

Matrix: Water

Date Received: 10/12/20 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			506670	10/13/20 16:12	NET	TAL PEN
Total/NA	Analysis	7470A		1	506723	10/13/20 19:15	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	507208	10/16/20 20:21	DEK	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		5	507524	10/20/20 14:39	NT	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	507691	10/21/20 15:01	RRC	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		1	508036	10/23/20 14:03	NT	TAL PEN
Total/NA	Analysis	Field Sampling		1	508058	10/12/20 12:14	EHS	TAL PEN

Client Sample ID: PZ-200S

Lab Sample ID: 400-194296-4

Date Collected: 10/13/20 08:25

Matrix: Water

Date Received: 10/13/20 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			506761	10/14/20 11:52	NET	TAL PEN
Total Recoverable	Analysis	6020		5	507590	10/20/20 21:13	LDC	TAL PEN
Total Recoverable	Prep	3005A			506761	10/14/20 11:52	NET	TAL PEN
Total Recoverable	Analysis	6020		5	507927	10/22/20 19:00	LDC	TAL PEN
Total Recoverable	Prep	3005A			506761	10/14/20 11:52	NET	TAL PEN
Total Recoverable	Analysis	6020		200	507927	10/22/20 19:12	LDC	TAL PEN
Total Recoverable	Prep	3005A			506761	10/14/20 11:52	NET	TAL PEN
Total Recoverable	Analysis	6020		200	508147	10/23/20 16:00	LDC	TAL PEN
Total/NA	Prep	7470A			506670	10/13/20 16:12	NET	TAL PEN
Total/NA	Analysis	7470A		1	506723	10/13/20 19:17	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	507233	10/18/20 00:37	DEK	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		10	507991	10/23/20 12:32	NT	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	507691	10/21/20 15:09	RRC	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		5	508036	10/23/20 15:22	NT	TAL PEN
Total/NA	Analysis	Field Sampling		1	508058	10/13/20 08:25	EHS	TAL PEN

Client Sample ID: PZ-200D

Lab Sample ID: 400-194296-5

Date Collected: 10/13/20 07:41

Matrix: Water

Date Received: 10/13/20 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			506761	10/14/20 11:52	NET	TAL PEN
Total Recoverable	Analysis	6020		5	507590	10/20/20 21:24	LDC	TAL PEN
Total Recoverable	Prep	3005A			506761	10/14/20 11:52	NET	TAL PEN
Total Recoverable	Analysis	6020		5	508147	10/23/20 16:04	LDC	TAL PEN
Total/NA	Prep	7470A			506670	10/13/20 16:12	NET	TAL PEN
Total/NA	Analysis	7470A		1	506723	10/13/20 19:23	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	507233	10/18/20 00:37	DEK	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	507991	10/23/20 11:56	NT	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	507691	10/21/20 15:12	RRC	TAL PEN

Client Sample ID: PZ-200D
Date Collected: 10/13/20 07:41
Date Received: 10/13/20 14:05

Lab Sample ID: 400-194296-5
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	508036	10/23/20 15:09	NT	TAL PEN
Total/NA	Analysis	Field Sampling		1	508058	10/13/20 07:41	EHS	TAL PEN

Client Sample ID: GSA-2S
Date Collected: 10/13/20 08:30
Date Received: 10/13/20 14:05

Lab Sample ID: 400-194296-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			506761	10/14/20 11:52	NET	TAL PEN
Total Recoverable	Analysis	6020		5	507590	10/20/20 21:28	LDC	TAL PEN
Total Recoverable	Prep	3005A			506761	10/14/20 11:52	NET	TAL PEN
Total Recoverable	Analysis	6020		5	507927	10/22/20 19:19	LDC	TAL PEN
Total Recoverable	Prep	3005A			506761	10/14/20 11:52	NET	TAL PEN
Total Recoverable	Analysis	6020		25	507927	10/22/20 19:23	LDC	TAL PEN
Total Recoverable	Prep	3005A			506761	10/14/20 11:52	NET	TAL PEN
Total Recoverable	Analysis	6020		100	508147	10/23/20 16:07	LDC	TAL PEN
Total/NA	Prep	7470A			506670	10/13/20 16:12	NET	TAL PEN
Total/NA	Analysis	7470A		1	506723	10/13/20 19:25	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	507233	10/18/20 00:37	DEK	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		5	507991	10/23/20 12:15	NT	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	507691	10/21/20 15:30	RRC	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		5	508036	10/23/20 15:32	NT	TAL PEN
Total/NA	Analysis	Field Sampling		1	508058	10/13/20 08:30	EHS	TAL PEN

Client Sample ID: FB-04
Date Collected: 10/12/20 12:55
Date Received: 10/13/20 14:05

Lab Sample ID: 400-194296-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			506761	10/14/20 11:52	NET	TAL PEN
Total Recoverable	Analysis	6020		5	507590	10/20/20 21:32	LDC	TAL PEN
Total Recoverable	Prep	3005A			506761	10/14/20 11:52	NET	TAL PEN
Total Recoverable	Analysis	6020		5	508545	10/28/20 10:37	LDC	TAL PEN
Total/NA	Prep	7470A			506670	10/13/20 16:12	NET	TAL PEN
Total/NA	Analysis	7470A		1	506723	10/13/20 19:27	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	507208	10/16/20 20:21	DEK	TAL PEN
Total/NA	Analysis	SM 2540C		1	507879	10/22/20 20:50	DEK	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	507991	10/23/20 11:56	NT	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	507691	10/21/20 15:05	RRC	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		1	508036	10/23/20 15:09	NT	TAL PEN

Lab Chronicle

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

Job ID: 400-194296-1
SDG: GSA Delineation Sampling

Client Sample ID: EB-04
Date Collected: 10/13/20 08:00
Date Received: 10/13/20 14:05

Lab Sample ID: 400-194296-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			506761	10/14/20 11:52	NET	TAL PEN
Total Recoverable	Analysis	6020		5	507590	10/20/20 21:36	LDC	TAL PEN
Total/NA	Prep	7470A			506670	10/13/20 16:12	NET	TAL PEN
Total/NA	Analysis	7470A		1	506723	10/13/20 19:29	NET	TAL PEN
Total/NA	Analysis	SM 2540C		1	507233	10/18/20 00:37	DEK	TAL PEN
Total/NA	Analysis	SM 2540C		1	507879	10/22/20 20:50	DEK	TAL PEN
Total/NA	Analysis	SM 4500 Cl- E		1	507991	10/23/20 12:01	NT	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	507691	10/21/20 15:34	RRC	TAL PEN
Total/NA	Analysis	SM 4500 SO4 E		1	508036	10/23/20 15:09	NT	TAL PEN

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

Metals

Prep Batch: 506610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194296-1	PZ-201D	Total/NA	Water	7470A	
400-194296-2	PZ-203D	Total/NA	Water	7470A	
400-194296-3	MW-2032/GE-1D	Total/NA	Water	7470A	
400-194296-4	PZ-200S	Total/NA	Water	7470A	
400-194296-5	PZ-200D	Total/NA	Water	7470A	
400-194296-6	GSA-2S	Total/NA	Water	7470A	
400-194296-7	FB-04	Total/NA	Water	7470A	
400-194296-8	EB-04	Total/NA	Water	7470A	
MB 400-506670/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-506670/15-A	Lab Control Sample	Total/NA	Water	7470A	
400-194296-1 MS	PZ-201D	Total/NA	Water	7470A	
400-194296-1 MSD	PZ-201D	Total/NA	Water	7470A	

Analysis Batch: 506124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194296-1	PZ-201D	Total/NA	Water	7470A	506670
400-194296-2	PZ-203D	Total/NA	Water	7470A	506670
400-194296-3	MW-2032/GE-1D	Total/NA	Water	7470A	506670
400-194296-4	PZ-200S	Total/NA	Water	7470A	506670
400-194296-5	PZ-200D	Total/NA	Water	7470A	506670
400-194296-6	GSA-2S	Total/NA	Water	7470A	506670
400-194296-7	FB-04	Total/NA	Water	7470A	506670
400-194296-8	EB-04	Total/NA	Water	7470A	506670
MB 400-506670/14-A	Method Blank	Total/NA	Water	7470A	506670
LCS 400-506670/15-A	Lab Control Sample	Total/NA	Water	7470A	506670
400-194296-1 MS	PZ-201D	Total/NA	Water	7470A	506670
400-194296-1 MSD	PZ-201D	Total/NA	Water	7470A	506670

Prep Batch: 506167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194296-1	PZ-201D	Total Recoverable	Water	3005A	
400-194296-2	PZ-203D	Total Recoverable	Water	3005A	
400-194296-3	MW-2032/GE-1D	Total Recoverable	Water	3005A	
400-194296-4	PZ-200S	Total Recoverable	Water	3005A	
400-194296-5	PZ-200D	Total Recoverable	Water	3005A	
400-194296-6	GSA-2S	Total Recoverable	Water	3005A	
400-194296-7	FB-04	Total Recoverable	Water	3005A	
400-194296-8	EB-04	Total Recoverable	Water	3005A	
MB 400-506761/1-A ^5	Method Blank	Total Recoverable	Water	3005A	
LCS 400-506761/2-A ^5	Lab Control Sample	Total Recoverable	Water	3005A	
400-194296-2 MS	PZ-203D	Total Recoverable	Water	3005A	
400-194296-2 MSD	PZ-203D	Total Recoverable	Water	3005A	

Analysis Batch: 501341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-506761/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	506761

Analysis Batch: 501580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194296-1	PZ-201D	Total Recoverable	Water	6020	506761
400-194296-2	PZ-203D	Total Recoverable	Water	6020	506761

Metals (Continued)

Analysis Batch: 501580 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194296-3	MW-2032/GE-1D	Total Recoverable	Water	6020	506761
400-194296-4	PZ-200S	Total Recoverable	Water	6020	506761
400-194296-5	PZ-200D	Total Recoverable	Water	6020	506761
400-194296-6	GSA-2S	Total Recoverable	Water	6020	506761
400-194296-7	FB-04	Total Recoverable	Water	6020	506761
400-194296-8	EB-04	Total Recoverable	Water	6020	506761
MB 400-506761/1-A ^5	Method Blank	Total Recoverable	Water	6020	506761
LCS 400-506761/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	506761
400-194296-2 MS	PZ-203D	Total Recoverable	Water	6020	506761
400-194296-2 MSD	PZ-203D	Total Recoverable	Water	6020	506761

Analysis Batch: 501821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194296-1	PZ-201D	Total Recoverable	Water	6020	506761
400-194296-3	MW-2032/GE-1D	Total Recoverable	Water	6020	506761
400-194296-3	MW-2032/GE-1D	Total Recoverable	Water	6020	506761
400-194296-4	PZ-200S	Total Recoverable	Water	6020	506761
400-194296-4	PZ-200S	Total Recoverable	Water	6020	506761
400-194296-6	GSA-2S	Total Recoverable	Water	6020	506761
400-194296-6	GSA-2S	Total Recoverable	Water	6020	506761

Analysis Batch: 50G731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194296-1	PZ-201D	Total Recoverable	Water	6020	506761
400-194296-2	PZ-203D	Total Recoverable	Water	6020	506761
400-194296-3	MW-2032/GE-1D	Total Recoverable	Water	6020	506761
400-194296-4	PZ-200S	Total Recoverable	Water	6020	506761
400-194296-5	PZ-200D	Total Recoverable	Water	6020	506761
400-194296-6	GSA-2S	Total Recoverable	Water	6020	506761
MB 400-506761/1-A ^5	Method Blank	Total Recoverable	Water	6020	506761
LCS 400-506761/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	506761
400-194296-2 MS	PZ-203D	Total Recoverable	Water	6020	506761
400-194296-2 MSD	PZ-203D	Total Recoverable	Water	6020	506761

Analysis Batch: 50G535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194296-7	FB-04	Total Recoverable	Water	6020	506761

9 eneral Chemistry

Analysis Batch: 50120G

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194296-1	PZ-201D	Total/NA	Water	SM 2540C	
400-194296-2	PZ-203D	Total/NA	Water	SM 2540C	
400-194296-3	MW-2032/GE-1D	Total/NA	Water	SM 2540C	
400-194296-7	FB-04	Total/NA	Water	SM 2540C	
MB 400-507208/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-507208/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-194296-1 DU	PZ-201D	Total/NA	Water	SM 2540C	

9 eneral Chemistry

Analysis Batch: 501244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194296-4	PZ-200S	Total/NA	Water	SM 2540C	
400-194296-5	PZ-200D	Total/NA	Water	SM 2540C	
400-194296-6	GSA-2S	Total/NA	Water	SM 2540C	
400-194296-8	EB-04	Total/NA	Water	SM 2540C	
MB 400-507233/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-507233/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-194328-L-4 DU	Duplicate	Total/NA	Water	SM 2540C	
400-194415-A-3 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 501523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194296-1	PZ-201D	Total/NA	Water	SM 4500 Cl- E	
400-194296-2	PZ-203D	Total/NA	Water	SM 4500 Cl- E	
400-194296-3	MW-2032/GE-1D	Total/NA	Water	SM 4500 Cl- E	
MB 400-507524/6	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-507524/7	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-507524/3	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-194296-1 MS	PZ-201D	Total/NA	Water	SM 4500 Cl- E	
400-194296-1 MSD	PZ-201D	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 501687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194296-1	PZ-201D	Total/NA	Water	SM 4500 F C	
400-194296-2	PZ-203D	Total/NA	Water	SM 4500 F C	
400-194296-3	MW-2032/GE-1D	Total/NA	Water	SM 4500 F C	
400-194296-4	PZ-200S	Total/NA	Water	SM 4500 F C	
400-194296-5	PZ-200D	Total/NA	Water	SM 4500 F C	
400-194296-6	GSA-2S	Total/NA	Water	SM 4500 F C	
400-194296-7	FB-04	Total/NA	Water	SM 4500 F C	
400-194296-8	EB-04	Total/NA	Water	SM 4500 F C	
MB 400-507691/14	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-507691/11	Lab Control Sample	Total/NA	Water	SM 4500 F C	
400-194247-B-15 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
400-194247-B-15 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	
400-194606-A-4 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
400-194606-A-4 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	

Analysis Batch: 501G18

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194296-7	FB-04	Total/NA	Water	SM 2540C	
400-194296-8	EB-04	Total/NA	Water	SM 2540C	
MB 400-507879/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-507879/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-194537-D-2 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 501887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194296-4	PZ-200S	Total/NA	Water	SM 4500 Cl- E	
400-194296-5	PZ-200D	Total/NA	Water	SM 4500 Cl- E	
400-194296-6	GSA-2S	Total/NA	Water	SM 4500 Cl- E	
400-194296-7	FB-04	Total/NA	Water	SM 4500 Cl- E	

9 eneral Chemistry (Continued)

Analysis Batch: 501887 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194296-8	EB-04	Total/NA	Water	SM 4500 Cl- E	
MB 400-507991/6	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-507991/7	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-507991/3	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-194296-5 MS	PZ-200D	Total/NA	Water	SM 4500 Cl- E	
400-194296-5 MSD	PZ-200D	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 50G046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194296-1	PZ-201D	Total/NA	Water	SM 4500 SO4 E	
400-194296-2	PZ-203D	Total/NA	Water	SM 4500 SO4 E	
400-194296-3	MW-2032/GE-1D	Total/NA	Water	SM 4500 SO4 E	
400-194296-4	PZ-200S	Total/NA	Water	SM 4500 SO4 E	
400-194296-5	PZ-200D	Total/NA	Water	SM 4500 SO4 E	
400-194296-6	GSA-2S	Total/NA	Water	SM 4500 SO4 E	
400-194296-7	FB-04	Total/NA	Water	SM 4500 SO4 E	
400-194296-8	EB-04	Total/NA	Water	SM 4500 SO4 E	
MB 400-508036/15	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-508036/16	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-508036/27	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-194296-5 MS	PZ-200D	Total/NA	Water	SM 4500 SO4 E	
400-194296-5 MSD	PZ-200D	Total/NA	Water	SM 4500 SO4 E	

Field Service / Mobile Lab

Analysis Batch: 50G05G

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194296-1	PZ-201D	Total/NA	Water	Field Sampling	
400-194296-2	PZ-203D	Total/NA	Water	Field Sampling	
400-194296-3	MW-2032/GE-1D	Total/NA	Water	Field Sampling	
400-194296-4	PZ-200S	Total/NA	Water	Field Sampling	
400-194296-5	PZ-200D	Total/NA	Water	Field Sampling	
400-194296-6	GSA-2S	Total/NA	Water	Field Sampling	

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 400-506761/1-A ^5
Matrix: Water
Analysis Batch: 507590

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 506761

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0015	U	0.0025	0.0015	mg/L		10/14/20 11:52	10/20/20 20:38	5
Arsenic	0.00117	I	0.0013	0.00039	mg/L		10/14/20 11:52	10/20/20 20:38	5
Barium	0.00070	U	0.0025	0.00070	mg/L		10/14/20 11:52	10/20/20 20:38	5
Beryllium	0.00017	U	0.0025	0.00017	mg/L		10/14/20 11:52	10/20/20 20:38	5
Boron	0.018	U	0.050	0.018	mg/L		10/14/20 11:52	10/20/20 20:38	5
Cadmium	0.00028	U	0.0025	0.00028	mg/L		10/14/20 11:52	10/20/20 20:38	5
Calcium	0.13	U	0.25	0.13	mg/L		10/14/20 11:52	10/20/20 20:38	5
Chromium	0.0010	U	0.0025	0.0010	mg/L		10/14/20 11:52	10/20/20 20:38	5
Cobalt	0.00056	U	0.0025	0.00056	mg/L		10/14/20 11:52	10/20/20 20:38	5
Lead	0.00029	U	0.0013	0.00029	mg/L		10/14/20 11:52	10/20/20 20:38	5
Lithium	0.0019	U	0.0050	0.0019	mg/L		10/14/20 11:52	10/20/20 20:38	5
Molybdenum	0.0045	U	0.015	0.0045	mg/L		10/14/20 11:52	10/20/20 20:38	5
Selenium	0.00082	U	0.0013	0.00082	mg/L		10/14/20 11:52	10/20/20 20:38	5
Thallium	0.00012	U	0.00050	0.00012	mg/L		10/14/20 11:52	10/20/20 20:38	5

Lab Sample ID: MB 400-506761/1-A ^5
Matrix: Water
Analysis Batch: 508147

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 506761

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.018	U	0.050	0.018	mg/L		10/14/20 11:52	10/23/20 15:32	5

Lab Sample ID: LCS 400-506761/2-A ^5
Matrix: Water
Analysis Batch: 507437

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 506761

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	0.0100	0.00995		mg/L		99	80 - 120

Lab Sample ID: LCS 400-506761/2-A ^5
Matrix: Water
Analysis Batch: 507590

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 506761

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.0500	0.0504		mg/L		101	80 - 120
Arsenic	0.0500	0.0506		mg/L		101	80 - 120
Barium	0.0500	0.0483		mg/L		97	80 - 120
Beryllium	0.0500	0.0493		mg/L		99	80 - 120
Cadmium	0.0500	0.0512		mg/L		102	80 - 120
Calcium	5.00	5.01		mg/L		100	80 - 120
Chromium	0.0500	0.0496		mg/L		99	80 - 120
Cobalt	0.0500	0.0504		mg/L		101	80 - 120
Lead	0.0500	0.0507		mg/L		101	80 - 120
Lithium	0.0500	0.0509		mg/L		102	80 - 120
Molybdenum	0.0500	0.0495		mg/L		99	80 - 120
Selenium	0.0500	0.0508		mg/L		102	80 - 120

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

Lab Sample ID: LCS 400-506761/2-A ^5
Matrix: Water
Analysis Batch: 508147

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 506761

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	0.100	0.0967		mg/L		97	80 - 120

Lab Sample ID: 400-194296-2 MS
Matrix: Water
Analysis Batch: 507590

Client Sample ID: PZ-203D
Prep Type: Total Recoverable
Prep Batch: 506761

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.0015	U	0.0500	0.0565		mg/L		113	75 - 125
Arsenic	0.00039	U	0.0500	0.0509		mg/L		102	75 - 125
Barium	0.021		0.0500	0.0685		mg/L		95	75 - 125
Beryllium	0.00017	U	0.0500	0.0492		mg/L		98	75 - 125
Cadmium	0.00028	U	0.0500	0.0513		mg/L		103	75 - 125
Calcium	4.0		5.00	8.54		mg/L		92	75 - 125
Chromium	0.0010	U	0.0500	0.0513		mg/L		103	75 - 125
Cobalt	0.00056	U	0.0500	0.0516		mg/L		103	75 - 125
Lead	0.00029	U	0.0500	0.0520		mg/L		104	75 - 125
Lithium	0.0092		0.0500	0.0614		mg/L		104	75 - 125
Molybdenum	0.0045	U	0.0500	0.0517		mg/L		103	75 - 125
Selenium	0.00082	U	0.0500	0.0517		mg/L		103	75 - 125

Lab Sample ID: 400-194296-2 MS
Matrix: Water
Analysis Batch: 508147

Client Sample ID: PZ-203D
Prep Type: Total Recoverable
Prep Batch: 506761

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	0.018	U	0.100	0.110		mg/L		110	75 - 125
Thallium	0.00012	I V	0.0100	0.00978		mg/L		97	75 - 125

Lab Sample ID: 400-194296-2 MSD
Matrix: Water
Analysis Batch: 507590

Client Sample ID: PZ-203D
Prep Type: Total Recoverable
Prep Batch: 506761

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	0.0514		mg/L		103	75 - 125	9	20
Arsenic	0.00039	U	0.0500	0.0519		mg/L		104	75 - 125	2	20
Barium	0.021		0.0500	0.0683		mg/L		95	75 - 125	0	20
Beryllium	0.00017	U	0.0500	0.0484		mg/L		97	75 - 125	2	20
Cadmium	0.00028	U	0.0500	0.0519		mg/L		104	75 - 125	1	20
Calcium	4.0		5.00	8.62		mg/L		93	75 - 125	1	20
Chromium	0.0010	U	0.0500	0.0502		mg/L		100	75 - 125	2	20
Cobalt	0.00056	U	0.0500	0.0508		mg/L		102	75 - 125	2	20
Lead	0.00029	U	0.0500	0.0509		mg/L		102	75 - 125	2	20
Lithium	0.0092		0.0500	0.0605		mg/L		103	75 - 125	1	20
Molybdenum	0.0045	U	0.0500	0.0505		mg/L		101	75 - 125	2	20
Selenium	0.00082	U	0.0500	0.0517		mg/L		103	75 - 125	0	20

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

Lab Sample ID: 400-194296-2 MSD — **Client Sample ID: PZ-203D**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 508147 — **Prep Batch: 506761**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Boron	0.018	U	0.100	0.112		mg/L		112	75 - 125	2	20
Thallium	0.00012	I V	0.0100	0.00979		mg/L		97	75 - 125	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 400-506670/14-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 506723 — **Prep Batch: 506670**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000070	U	0.00020	0.000070	mg/L		10/13/20 16:12	10/13/20 19:00	1

Lab Sample ID: LCS 400-506670/15-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 506723 — **Prep Batch: 506670**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00101	0.00103		mg/L		102	80 - 120

Lab Sample ID: 400-194296-1 MS — **Client Sample ID: PZ-201D**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 506723 — **Prep Batch: 506670**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.000070	U	0.00201	0.00183		mg/L		91	80 - 120

Lab Sample ID: 400-194296-1 MSD — **Client Sample ID: PZ-201D**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 506723 — **Prep Batch: 506670**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.000070	U	0.00201	0.00175		mg/L		87	80 - 120	5	20

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

Lab Sample ID: MB 400-507208/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 507208

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			10/16/20 20:21	1

Lab Sample ID: LCS 400-507208/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 507208

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	147	162		mg/L		111	78 - 122

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

Lab Sample ID: 400-194296-1 DU
Matrix: Water
Analysis Batch: 507208

Client Sample ID: PZ-201D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	88			88.0		mg/L				0	5

Lab Sample ID: MB 400-507233/1
Matrix: Water
Analysis Batch: 507233

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			10/18/20 00:37	1

Lab Sample ID: LCS 400-507233/2
Matrix: Water
Analysis Batch: 507233

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	354		mg/L		121	78 - 122		

Lab Sample ID: 400-194328-L-4 DU
Matrix: Water
Analysis Batch: 507233

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	290			286		mg/L				2	5

Lab Sample ID: 400-194415-A-3 DU
Matrix: Water
Analysis Batch: 507233

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	310			472	J3	mg/L				41	5

Lab Sample ID: MB 400-507879/1
Matrix: Water
Analysis Batch: 507879

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			10/22/20 20:50	1

Lab Sample ID: LCS 400-507879/2
Matrix: Water
Analysis Batch: 507879

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	344		mg/L		117	78 - 122		

Lab Sample ID: 400-194537-D-2 DU
Matrix: Water
Analysis Batch: 507879

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	84			96.0	J3	mg/L				13	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-507524/6
Matrix: Water
Analysis Batch: 507524

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			10/20/20 14:15	1

Lab Sample ID: LCS 400-507524/7
Matrix: Water
Analysis Batch: 507524

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	30.7		mg/L		102	90 - 110

Lab Sample ID: MRL 400-507524/3
Matrix: Water
Analysis Batch: 507524

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	2.07		mg/L		104	50 - 150

Lab Sample ID: 400-194296-1 MS
Matrix: Water
Analysis Batch: 507524

Client Sample ID: PZ-201D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	4.8		10.0	16.1		mg/L		113	73 - 120

Lab Sample ID: 400-194296-1 MSD
Matrix: Water
Analysis Batch: 507524

Client Sample ID: PZ-201D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	4.8		10.0	16.2		mg/L		114	73 - 120	1	8

Lab Sample ID: MB 400-507991/6
Matrix: Water
Analysis Batch: 507991

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			10/23/20 11:53	1

Lab Sample ID: LCS 400-507991/7
Matrix: Water
Analysis Batch: 507991

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	30.7		mg/L		102	90 - 110

Lab Sample ID: MRL 400-507991/3
Matrix: Water
Analysis Batch: 507991

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	1.96	I	mg/L		98	50 - 150

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: 400-194296-5 MS
Matrix: Water
Analysis Batch: 507991

Client Sample ID: PZ-200D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	3.8		10.0	15.4		mg/L		116	73 - 120

Lab Sample ID: 400-194296-5 MSD
Matrix: Water
Analysis Batch: 507991

Client Sample ID: PZ-200D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	3.8		10.0	14.9		mg/L		111	73 - 120	3	8

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-507691/14
Matrix: Water
Analysis Batch: 507691

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.032	U	0.10	0.032	mg/L			10/21/20 14:20	1

Lab Sample ID: LCS 400-507691/11
Matrix: Water
Analysis Batch: 507691

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	5.00	4.70		mg/L		94	90 - 110

Lab Sample ID: 400-194247-B-15 MS
Matrix: Water
Analysis Batch: 507691

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	0.46		1.00	1.45		mg/L		99	75 - 125

Lab Sample ID: 400-194606-A-4 MS
Matrix: Water
Analysis Batch: 507691

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	1.0		1.00	1.71	J3	mg/L		69	75 - 125

Lab Sample ID: 400-194606-A-4 MSD
Matrix: Water
Analysis Batch: 507691

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	1.0		1.00	1.75	J3	mg/L		73	75 - 125	2	4

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-508036/15
Matrix: Water
Analysis Batch: 508036

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			10/23/20 14:17	1

Lab Sample ID: LCS 400-508036/16
Matrix: Water
Analysis Batch: 508036

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfate			15.0	16.0		mg/L		107	90 - 110		

Lab Sample ID: MRL 400-508036/27
Matrix: Water
Analysis Batch: 508036

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	4.76	I	mg/L		95	50 - 150		

Lab Sample ID: 400-194296-5 MS
Matrix: Water
Analysis Batch: 508036

Client Sample ID: PZ-200D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfate	9.0		10.0	19.7		mg/L		108	77 - 128		

Lab Sample ID: 400-194296-5 MSD
Matrix: Water
Analysis Batch: 508036

Client Sample ID: PZ-200D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	9.0		10.0	19.4		mg/L					

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

Chain of Custody Record

400-194296 COC

eurofins | Environment Testing America

Client Information	Sampler: Philip Evans / Brett Surles	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-96743-23631.1
Client Contact: Barry Evans	Phone: 850-336-0192	E-Mail: Cheyenne.Whitmire@Eurofinset.com		Page: Page 1 of 1
Company: Gulf Power Company				Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520				
Phone: 850-444-6427(Tel)	PO #: 2000339513			
Email: Barry.Evans@nexteraenergy.com	WO #: 3000004117			
Project Name: CCR Plant Crist GSA Delineation Sampling	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N	D	N	N		
[redacted]				Water										
[redacted]				Water										
[redacted]				Water										
PZ-201D	10/12/20	1104	G	Water			X	X	X	X	X	X		
PZ-203D	10/12/20	1300	G	Water			X	X	X	X	X	X		
MW2032/GE-1D	10/12/20	1214	G	Water			X	X	X	X	X	X		
				Water										
				Water										

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by:		Date/Time: 10/12/20 1430	Company RDH	Received by:		Date/Time: 10-12-20 1430	Company FTA
Relinquished by:		Date/Time:	Company	Received by:		Date/Time:	Company
Relinquished by:		Date/Time:	Company	Received by:		Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.9°C, 1.4°C IR9

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Brett Sykes	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-96743-23631.1
Client Contact: Barry Evans	Phone: 850 380 3458	E-Mail: Cheyenne.Whitmire@Eurofinset.com		Page: Page 1 of 1
Company: Gulf Power Company				Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520				
Phone: 850-444-6427(Tel)	PO #: 2000339513			
Email: Barry.Evans@nexteraenergy.com	WO #: 3000004117			
Project Name: CCR Plant Crist GSA Delineation Sampling	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
Preservation Code:							D	N	N	D	N	N		
PZ-200S	10/13/20	0825	G	Water			X	X	X	X	X	X		
PZ-200D	10/13/20	0741	G	Water			X	X	X	X	X	X		
GSA-2S	10/13/20	0830	G	Water			X	X	X	X	X	X		
[redacted]				Water										
[redacted]				Water										
[redacted]				Water										
FB-04	10/12/20	1255	G	Water			X	X	X	X	X	X		
EB-04	10/13/20	0800	G	Water			X	X	X	X	X	X		

400-194296 COC

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-6
L - EDA	Z - other (specify)

Other:

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10/13/20 1405	FDT	Kathy R Owen	10-13-20 1405	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.0 & IR8

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 400-194296-1
SDG Number: GSA Delineation Sampling

Login Number: 194296
List Number: 1
Creator: Perez, Trina M

List Source: Eurofins TestAmerica, 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.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.9°C, 1.4°C IR-9, 0.0°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Gulf Power Company
Pro/eSt Rs ite: CCB Plant Crikt

Job ID: 400-194j 9c-1
s DG: Gs g Delineation s amplind

Laboratory: Eurofins TestAmerica, Pensacola

gll aSSreAitationk RSertifiSationk helA by thik laboratory are likteA. Not all aSSreAitationk RSertifiSationk are appliSable to thik report.

Authority	Program	Identification Number	Expiration Date
glabama	state	40150	0c-60-j 1
gNg3	Is 2 RKOC 1E0j 5	7j 4E1	0j -j 6-j 6
griLona	state	gz0E10	01-16-j 1
grZankak DOQ	state	88-0c89	09-0j -j 1
California	state	j 510	0c-60-j 1
FloriAa	NO7gP	O81010	0c-60-j 1
Geordia	state	O81010(F7)	0c-60-j 1
Illinoik	NO7gP	j 00041	10-09-j 1
Iowa	state	6cE	08-01-j j
Kankak	NO7gP	O-10j 56	10-61-j 0
KentuSZy (Us T)	state	56	0c-60-j 1
KentuSZy (WW)	state	KY98060	1j -61-j 0
7ouikiana	NO7gP	609Ec	0c-60-j 1
7ouikiana (DW)	state	7g01E	1j -61-j 0
MarylanA	state	j 66	09-60-j 1
MakkaShukettk	state	M-F7094	0c-60-j 1
MiShidan	state	991j	0c-60-j 1
New Jerkey	NO7gP	F700c	0c-60-j 1
New YorZ	NO7gP	1j 115	04-01-j 1
North Carolina (WWRSW)	state	614	1j -61-j 0
2 Zlahoma	state	9810-18c	08-61-j 1
Pennkylvania	NO7gP	c8-004cE	01-61-j 1
BhoAe IklanA	state	7g2 0060E	1j -60-j 0
south Carolina	state	9c0j c00j	0c-60-j 1
Tennekkee	state	TN0j 90E	0c-60-j 1
Texak	NO7gP	T104E04j 8c	09-60-j 1
Us Fikh & WilAlife	Us FeAeral Prodramk	058448	0E-61-j 1
Us Dg	Us FeAeral Prodramk	P660-18-00148	05-1E-j 1
Virdinia	NO7gP	4c01cc	0c-14-j 1
Wakhindton	state	C915	05-15-j 1
Wekt Virdinia DOP	state	16c	1j -61-j 0

eurofins | Environment Testing America



ANALYTICAL REPORT

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

Laboratory Job ID: 400-194296-2
Laboratory Sample Delivery Group: GSA Delineation Sampling
Client Project/Site: CCR Plant Crist

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

Attn: Barry Evans

Cheyenne R Whitmire

Authorized for release by:
12/14/2020 10:02:10 AM

Cheyenne Whitmire, Project Manager II
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LINKS

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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.

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Job ID: 400-194296-2

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-194296-2

RAD

Method 9315: Prep batch 160-485965. 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-201D (400-194296-1), PZ-203D (400-194296-2), MW-2032/GE-1D (400-194296-3), PZ-200S (400-194296-4) and PZ-200D (400-194296-5)

Method 9315: Prep batch 160-485951. 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. GSA-2S (400-194296-6), FB-04 (400-194296-7) and EB-04 (400-194296-8)

Method 9320: Prep Batch 160-489375. The LCS recovered 66%. Although this is outside the method limits of 75-125, it is within our statistical limits of 60-140%. Additionally the LCSD was within limits with a recovery of 77% and the RER/RPD between the LCS/LCSD passed. Original results will be qualified and reported. (LCS 160-489375/1-A)

Method 9320: Prep Batch: 160-489375. 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-201D (400-194296-1), PZ-203D (400-194296-2), MW-2032/GE-1D (400-194296-3), PZ-200S (400-194296-4) and PZ-200D (400-194296-5)

Method 9320: Prep batch 160-485953. The LCS recovered (73%) outside the 75-125 limits These limits are for specific regulatory work that represents a large portion of our business but not applicable to these samples. The LCS did pass within our statistical limits of 63-130. Original results will be qualified and reported. (LCS 160-485953/1-A)

Method 9320: Prep batch 160-485953. 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. GSA-2S (400-194296-6), FB-04 (400-194296-7) and EB-04 (400-194296-8)

Method PrecSep_0: Radium 228 Prep Batch 160-485953. The following samples were prepared at a reduced aliquot to insure sufficient volume remains if needed for reanalysis: GSA-2S (400-194296-6), FB-04 (400-194296-7) and EB-04 (400-194296-8).

Method PrecSep_0: Radium 228 Prep Batch 160-485953. Insufficient sample volume was available to perform a sample duplicate for the following samples: GSA-2S (400-194296-6), FB-04 (400-194296-7) and EB-04 (400-194296-8). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep_0: Radium 228 Prep Batch 160-485966. Insufficient sample volume was available to perform a sample duplicate for the following samples: PZ-201D (400-194296-1), PZ-203D (400-194296-2), MW-2032/GE-1D (400-194296-3), PZ-200S (400-194296-4) and PZ-200D (400-194296-5). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep_0: Radium 228 Prep Batch 160-485966. The following samples were prepared at a reduced aliquot to insure sufficient volume remains if needed for reanalysis: PZ-201D (400-194296-1), PZ-203D (400-194296-2), MW-2032/GE-1D (400-194296-3), PZ-200S (400-194296-4) and PZ-200D (400-194296-5).

Method PrecSep_0: Radium 228 Prep Batch 160-485966. The following samples require re-prep due to instrument malfunction: PZ-201D (400-194296-1), PZ-203D (400-194296-2), MW-2032/GE-1D (400-194296-3), PZ-200S (400-194296-4) and PZ-200D (400-194296-5). Due to rapid decay of the Ac-228 reflecting Ra-228 results, the samples were not able to be recounted.

Method PrecSep_0: Radium 228 Prep Batch 160-489375. Insufficient sample volume was available to perform a sample duplicate for the following samples: PZ-201D (400-194296-1), PZ-203D (400-194296-2), MW-2032/GE-1D (400-194296-3), PZ-200S (400-194296-4) and PZ-200D (400-194296-5). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to

Job ID: 400-194296-2 (Continued)

Laboratory: Eurofins TestAmerica, Pensacola (Continued)

demonstrate batch precision.

Method PrecSep_0: Radium 228 Prep Batch 160-489375. The following samples were prepared at a reduced aliquot to insure sufficient volume remains if needed for reanalysis: PZ-201D (400-194296-1), PZ-203D (400-194296-2), MW-2032/GE-1D (400-194296-3), PZ-200S (400-194296-4) and PZ-200D (400-194296-5).

Method PrecSep-21: Radium 226 Prep Batch 160-485951. Insufficient sample volume was available to perform a sample duplicate for the following samples: GSA-2S (400-194296-6), FB-04 (400-194296-7) and EB-04 (400-194296-8). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep-21: Radium 226 Prep Batch 160-485951. The following samples were prepared at a reduced aliquot to insure sufficient volume remains if needed for reanalysis: GSA-2S (400-194296-6), FB-04 (400-194296-7) and EB-04 (400-194296-8).

Method PrecSep-21: Radium 226 Prep Batch 160-485965. Insufficient sample volume was available to perform a sample duplicate for the following samples: PZ-201D (400-194296-1), PZ-203D (400-194296-2), MW-2032/GE-1D (400-194296-3), PZ-200S (400-194296-4) and PZ-200D (400-194296-5). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep-21: Radium 226 Prep Batch 160-485965. The following samples were prepared at a reduced aliquot to insure sufficient volume remains if needed for reanalysis: PZ-201D (400-194296-1), PZ-203D (400-194296-2), MW-2032/GE-1D (400-194296-3), PZ-200S (400-194296-4) and PZ-200D (400-194296-5).

Method Summary

Method	Method Description	Protocol	Laboratory
9s1W	j p8lGr -227 3t 5f 6(	y/ R47	FS) y)
9s20	j p8lGr -22R 3t 5f 6(	y/ R47	FS) y)
j p227Tj p22R	6 or blei 8 j p8lGr -227 pe8 j p8lGr -22R	FS) -y F)	FS) y)
f wi dy i mT0	f wi mpvpnloeLf wi dlmlmpni y i mpvpnloe	Aoei	FS) y)
f wi dy i m+21	f wi mpvpnloeLf wi dlmlmpni y i mpvpnloe 321-Dpa le-t woPn_(	Aoei	FS) y)

Protocol References:

Aoei N Aoei

y/ R47 N ,Fi cnh i n_o8c 5ow="pC0pnleUy o03 / pcni Lf _acldp06 6_i r ldpCh i n_o8c,LF_lv8 =8lnloeLAo"i r bi w19R7 Se8 lnc Mm8pni cv

FS) -y F) N Fi cnSr i wdp) pbovpnowi cLy nv) oGcL5pdl0na y npe8pv8 . mi vpnleUf wodi 8Gwv

Laboratory References:

FS) y) N = Gwoulec Fi cnSr i wdpLy nv) oGcL1sO1Wj l8i wFvplCAown_L=pwn_ 6 lnaLh . 7s04WLF=) 3s14(29R-RW77

Sample Summary

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

Job ID: 400-194296-2
SDG: GSA Delineation Sampling

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-194296-1	PZ-201D	Water	10/12/20 11:04	10/12/20 14:30	
400-194296-2	PZ-203D	Water	10/12/20 13:00	10/12/20 14:30	
400-194296-3	MW-2032/GE-1D	Water	10/12/20 12:14	10/12/20 14:30	
400-194296-4	PZ-200S	Water	10/13/20 08:25	10/13/20 14:05	
400-194296-5	PZ-200D	Water	10/13/20 07:41	10/13/20 14:05	
400-194296-6	GSA-2S	Water	10/13/20 08:30	10/13/20 14:05	
400-194296-7	FB-04	Water	10/12/20 12:55	10/13/20 14:05	
400-194296-8	EB-04	Water	10/13/20 08:00	10/13/20 14:05	

Client Sample ID: PZ-201D

Date Collected: 10/12/20 11:04
Date Received: 10/12/20 14:30

Lab Sample ID: 400-194296-1

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	**0.195**		0.118	0.119	1.00	0.147	pCi/L	10/16/20 14:00	11/21/20 17:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*56.3*		*40 - 110*	*10/13/20 1400*	*11/21/20 1: 941*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.675	U *	0.417	0.421	1.00	0.790	pCi/L	11/17/20 11:38	11/25/20 11:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*53.7*		*40 - 110*	*11/1: /20 1195*	*11/26/20 1163*	*1*
. Carrier	*105*		*40 - 110*	*11/1: /20 1195*	*11/26/20 1163*	*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	-0.479	U	0.433	0.437	5.00	0.790	pCi/L		11/30/20 14:22	1

Client Sample Results

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

Job ID: 400-194296-2
SDG: GSA Delineation Sampling

Client Sample ID: PZ-203D
Date Collected: 10/12/20 13:00
Date Received: 10/12/20 14:30

Lab Sample ID: 400-194296-2
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	0.0598	U	0.0854	0.0856	1.00	0.145	pCi/L	10/16/20 14:00	11/21/20 17:41	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*Y878*		*40 - 110*	*10/13/20 1490 0*	*11/21/20 1: 941*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0303	U *	0.298	0.298	1.00	0.531	pCi/L	11/17/20 11:38	11/25/20 11:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*5371*		*40 - 110*	*11/1: /20 1195 5*	*11/26/20 1196 3*	*1*
. Carrier	*Y678*		*40 - 110*	*11/1: /20 1195 5*	*11/26/20 1196 3*	*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	0.0901	U	0.310	0.310	5.00	0.531	pCi/L		11/30/20 14:22	1

Client Sample ID: MW-2032/GE-1D

Date Collected: 10/12/20 12:14
Date Received: 10/12/20 14:30

Lab Sample ID: 400-194296-3

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	0.765		0.206	0.217	1.00	0.146	pCi/L	10/16/20 14:00	11/21/20 17:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.8*		*40 - 110*	*10/13/20 1490*	*11/21/20 1: 942*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.941	*	0.539	0.546	1.00	0.844	pCi/L	11/17/20 11:38	11/25/20 11:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.0*		*40 - 110*	*11/1: /20 11985*	*11/26/20 1196:*	*1*
. Carrier	*106*		*40 - 110*	*11/1: /20 11985*	*11/26/20 1196:*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.71		0.577	0.588	5.00	0.844	pCi/L		11/30/20 14:22	1

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

Job ID: 400-194296-2
SDG: GSA Delineation Sampling

Client Sample ID: PZ-200S

Date Collected: 10/13/20 08:25
Date Received: 10/13/20 14:05

Lab Sample ID: 400-194296-4

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	3.02		0.395	0.479	1.00	0.164	pCi/L	10/16/20 14:00	11/21/20 17:42	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	5878		40 - 110	10/13/20 1490 0	11/21/20 1: 942	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.31	*	0.515	0.557	1.00	0.626	pCi/L	11/17/20 11:38	11/25/20 11:57	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	: : 70		40 - 110	11/1: /20 1198 5	11/26/20 1196:	1
. Carrier	103		40 - 110	11/1: /20 1198 5	11/26/20 1196:	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	5.33		0.649	0.735	5.00	0.626	pCi/L		11/30/20 14:22	1

Client Sample ID: PZ-200D

Date Collected: 10/13/20 07:41
Date Received: 10/13/20 14:05

Lab Sample ID: 400-194296-5

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	0.242		0.133	0.135	1.00	0.165	pCi/L	10/16/20 14:00	11/21/20 17:42	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*5: 7.*		*40 - 110*	*10/13/20 1490 0*	*11/21/20 1: 942*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.539	*	0.301	0.305	1.00	0.452	pCi/L	11/17/20 11:38	11/25/20 11:57	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*Y073*		*40 - 110*	*11/1: /20 1198 5*	*11/26/20 1196:*	*1*
. Carrier	*105*		*40 - 110*	*11/1: /20 1198 5*	*11/26/20 1196:*	*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	0.781		0.329	0.334	5.00	0.452	pCi/L		11/30/20 14:22	1

Client Sample ID: GSA-2S

Date Collected: 10/13/20 08:30
Date Received: 10/13/20 14:05

Lab Sample ID: 400-194296-6

Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	5.68		0.701	0.868	1.00	0.261	pCi/L	10/16/20 12:35	12/05/20 11:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*Y372*		*40 - 110*	*10/13/20 12956*	*12/06/20 11985*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	5.56	*	0.611	0.797	1.00	0.442	pCi/L	10/16/20 12:53	12/04/20 11:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*Y372*		*40 - 110*	*10/13/20 12956*	*12/04/20 11938*	*1*
. Carrier	*5374*		*40 - 110*	*10/13/20 12956*	*12/04/20 11938*	*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	11.2		0.930	1.18	5.00	0.442	pCi/L		12/07/20 15:47	1

Client Sample ID: FB-04

Date Collected: 10/12/20 12:55
Date Received: 10/13/20 14:05

Lab Sample ID: 400-194296-7

Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0604	U	0.188	0.188	1.00	0.355	pCi/L	10/16/20 12:35	12/05/20 11:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*507Y*		*40 - 110*	*10/13/20 12:36*	*12/06/20 11:35*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.384	U *	0.366	0.368	1.00	0.593	pCi/L	10/16/20 12:53	12/04/20 11:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*507Y*		*40 - 110*	*10/13/20 12:36*	*12/04/20 11:38*	*1*
. Carrier	*557*		*40 - 110*	*10/13/20 12:36*	*12/04/20 11:38*	*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	0.444	U	0.411	0.413	5.00	0.593	pCi/L		12/07/20 15:47	1

Client Sample ID: EB-04

Date Collected: 10/13/20 08:00
Date Received: 10/13/20 14:05

Lab Sample ID: 400-194296-8

Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.466		0.275	0.278	1.00	0.371	pCi/L	10/16/20 12:35	12/05/20 11:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*Y070*		*40 - 110*	*10/13/20 1296*	*12/06/20 1195*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0419	U *	0.237	0.237	1.00	0.444	pCi/L	10/16/20 12:53	12/04/20 11:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*Y070*		*40 - 110*	*10/13/20 1296*	*12/04/20 1198*	*1*
. Carrier	*5: 71*		*40 - 110*	*10/13/20 1296*	*12/04/20 1198*	*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	0.425	U	0.363	0.365	5.00	0.444	pCi/L		12/07/20 15:47	1

Definitions/Glossary

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

Job ID: 400-194296-2
SDG: GSA Delineation Sampling

Qualifiers

Rad

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
U	Result is less than the sample detection limit.

Glossary

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

Lab Chronicle

Client: Gulf Power Company
Pro&j td ite: CCS Plant CriRt

Job ID: 400-194297-2
/ DG: G/ s Delineation / ampling

Client Sample ID: PZ-201D
Date Collected: 10/12/20 11:04
Date Received: 10/12/20 14:30

Lab Sample ID: 400-194296-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
AotaldBs	Prep	Prej / ep-21			453973	10d17d20 14:00	sd6	AsV/ V
AotaldBs	snalyRR	9T13		1	459920	11d21d20 1L:41	CNN	AsV/ V
AotaldBs	Prep	Prej / epF0			459TL3	11d1Ld20 11:T5	sd6	AsV/ V
AotaldBs	snalyRR	9T20		1	490291	11d23d20 11:37	_VC	AsV/ V
AotaldBs	snalyRR	Sa227FSa225		1	4903L0	11dT0d20 14:22	GSW	AsV/ V

Client Sample ID: PZ-203D
Date Collected: 10/12/20 13:00
Date Received: 10/12/20 14:30

Lab Sample ID: 400-194296-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
AotaldBs	Prep	Prej / ep-21			453973	10d17d20 14:00	sd6	AsV/ V
AotaldBs	snalyRR	9T13		1	459920	11d21d20 1L:41	CNN	AsV/ V
AotaldBs	Prep	Prej / epF0			459TL3	11d1Ld20 11:T5	sd6	AsV/ V
AotaldBs	snalyRR	9T20		1	490291	11d23d20 11:37	_VC	AsV/ V
AotaldBs	snalyRR	Sa227FSa225		1	4903L0	11dT0d20 14:22	GSW	AsV/ V

Client Sample ID: MW-2032/GE-1D
Date Collected: 10/12/20 12:14
Date Received: 10/12/20 14:30

Lab Sample ID: 400-194296-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
AotaldBs	Prep	Prej / ep-21			453973	10d17d20 14:00	sd6	AsV/ V
AotaldBs	snalyRR	9T13		1	459920	11d21d20 1L:42	CNN	AsV/ V
AotaldBs	Prep	Prej / epF0			459TL3	11d1Ld20 11:T5	sd6	AsV/ V
AotaldBs	snalyRR	9T20		1	490291	11d23d20 11:3L	_VC	AsV/ V
AotaldBs	snalyRR	Sa227FSa225		1	4903L0	11dT0d20 14:22	GSW	AsV/ V

Client Sample ID: PZ-200S
Date Collected: 10/13/20 08:25
Date Received: 10/13/20 14:05

Lab Sample ID: 400-194296-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
AotaldBs	Prep	Prej / ep-21			453973	10d17d20 14:00	sd6	AsV/ V
AotaldBs	snalyRR	9T13		1	459920	11d21d20 1L:42	CNN	AsV/ V
AotaldBs	Prep	Prej / epF0			459TL3	11d1Ld20 11:T5	sd6	AsV/ V
AotaldBs	snalyRR	9T20		1	490291	11d23d20 11:3L	_VC	AsV/ V
AotaldBs	snalyRR	Sa227FSa225		1	4903L0	11dT0d20 14:22	GSW	AsV/ V

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Lab Chronicle

Client: Gulf Power Company
Pro&ej td ite: CCS Plant CriRt

Job ID: 400-194297-2
/ DG: G/ s Delineation / ampling

Client Sample ID: PZ-200D
Date Collected: 10/13/20 07:41
Date Received: 10/13/20 14:05

Lab Sample ID: 400-194296-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
AotaldBs	Prep	Prej / ep-21			453973	10d17d20 14:00	sd6	As V/ V
AotaldBs	snalyRR	9T13		1	459920	11d21d20 1L:42	CNN	As V/ V
AotaldBs	Prep	Prej / epF0			459TL3	11d1Ld20 11:T5	sd6	As V/ V
AotaldBs	snalyRR	9T20		1	490291	11d23d20 11:3L	_VC	As V/ V
AotaldBs	snalyRR	Sa227FSa225		1	4903L0	11dT0d20 14:22	GSW	As V/ V

Client Sample ID: GSA-2S
Date Collected: 10/13/20 08:30
Date Received: 10/13/20 14:05

Lab Sample ID: 400-194296-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
AotaldBs	Prep	Prej / ep-21			453931	10d17d20 12:T3	sd6	As V/ V
AotaldBs	snalyRR	9T13		1	490937	12d03d20 11:T5	_VC	As V/ V
AotaldBs	Prep	Prej / epF0			45393T	10d17d20 12:3T	sd6	As V/ V
AotaldBs	snalyRR	9T20		1	490534	12d04d20 11:TT	_VC	As V/ V
AotaldBs	snalyRR	Sa227FSa225		1	491024	12d0Ld20 13:4L	/ C6	As V/ V

Client Sample ID: FB-04
Date Collected: 10/12/20 12:55
Date Received: 10/13/20 14:05

Lab Sample ID: 400-194296-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
AotaldBs	Prep	Prej / ep-21			453931	10d17d20 12:T3	sd6	As V/ V
AotaldBs	snalyRR	9T13		1	490937	12d03d20 11:T5	_VC	As V/ V
AotaldBs	Prep	Prej / epF0			45393T	10d17d20 12:3T	sd6	As V/ V
AotaldBs	snalyRR	9T20		1	490534	12d04d20 11:TT	_VC	As V/ V
AotaldBs	snalyRR	Sa227FSa225		1	491024	12d0Ld20 13:4L	/ C6	As V/ V

Client Sample ID: EB-04
Date Collected: 10/13/20 08:00
Date Received: 10/13/20 14:05

Lab Sample ID: 400-194296-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
AotaldBs	Prep	Prej / ep-21			453931	10d17d20 12:T3	sd6	As V/ V
AotaldBs	snalyRR	9T13		1	490937	12d03d20 11:T5	_VC	As V/ V
AotaldBs	Prep	Prej / epF0			45393T	10d17d20 12:3T	sd6	As V/ V
AotaldBs	snalyRR	9T20		1	490534	12d04d20 11:TT	_VC	As V/ V
AotaldBs	snalyRR	Sa227FSa225		1	491024	12d0Ld20 13:4L	/ C6	As V/ V

Laboratory References:

As V/ V, =urofinRAeRts merij aE/ t. VouiRE1TL13 Siher Arail BortME=artMCityENO 7T043EA=V(T14)295-5377

Rad

Prep Batch: 485951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194296-6	GSA-2S	Total/NA	Water	PrecSep-21	
400-194296-7	FB-04	Total/NA	Water	PrecSep-21	
400-194296-8	EB-04	Total/NA	Water	PrecSep-21	
MB 160-485951/24-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-485951/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-485951/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 485953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194296-6	GSA-2S	Total/NA	Water	PrecSep_0	
400-194296-7	FB-04	Total/NA	Water	PrecSep_0	
400-194296-8	EB-04	Total/NA	Water	PrecSep_0	
MB 160-485953/24-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-485953/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-485953/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Prep Batch: 485965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194296-1	PZ-201D	Total/NA	Water	PrecSep-21	
400-194296-2	PZ-203D	Total/NA	Water	PrecSep-21	
400-194296-3	MW-2032/GE-1D	Total/NA	Water	PrecSep-21	
400-194296-4	PZ-200S	Total/NA	Water	PrecSep-21	
400-194296-5	PZ-200D	Total/NA	Water	PrecSep-21	
MB 160-485965/23-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-485965/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-485965/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 489375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-194296-1	PZ-201D	Total/NA	Water	PrecSep_0	
400-194296-2	PZ-203D	Total/NA	Water	PrecSep_0	
400-194296-3	MW-2032/GE-1D	Total/NA	Water	PrecSep_0	
400-194296-4	PZ-200S	Total/NA	Water	PrecSep_0	
400-194296-5	PZ-200D	Total/NA	Water	PrecSep_0	
MB 160-489375/23-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-489375/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-489375/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-485951/24-A
Matrix: Water
Analysis Batch: 490956

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 485951

Analyte	MB Result	MB Qualifier	Count z ncertf (27 σ/-)	Total z ncertf (27 σ/-)	RL	MDC	z nit	Prepared	Analyzed	Dil Fac
Radium-226	-0.05484	U	0.257	0.257	1.00	0.515	pCi/L	10/16/20 12:35	12/05/20 13:35	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	638		40 - 110	10/13/20 129	12/05/20 1: 9	1

Lab Sample ID: LCS 160-485951/1-A
Matrix: Water
Analysis Batch: 490956

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 485951

Analyte	Spike Added	LCS Result	LCS Qual	Total z ncertf (27 σ/-)	RL	MDC	z nit	. Rec	. Recf Limits
Radium-226	15.1	13.61		1.62	1.00	0.241	pCi/L	90	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	. . 8		40 - 110

Lab Sample ID: LCSD 160-485951/2-A
Matrix: Water
Analysis Batch: 490956

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 485951

Analyte	Spike Added	LCSD Result	LCSD Qual	Total z ncertf (27 σ/-)	RL	MDC	z nit	. Rec	. Recf Limits	R%R	R%R Limit
Radium-226	15.1	12.69		1.53	1.00	0.251	pCi/L	84	75 - 125	0.29	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	. . 8		40 - 110

Lab Sample ID: MB 160-485965/23-A
Matrix: Water
Analysis Batch: 490119

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 485965

Analyte	MB Result	MB Qualifier	Count z ncertf (27 σ/-)	Total z ncertf (27 σ/-)	RL	MDC	z nit	Prepared	Analyzed	Dil Fac
Radium-226	-0.007886	U	0.0588	0.0588	1.00	0.130	pCi/L	10/16/20 14:00	11/24/20 09:49	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	. 28		40 - 110	10/13/20 1490	11/24/20 0. 9	1

Lab Sample ID: LCS 160-485965/1-A
Matrix: Water
Analysis Batch: 489414

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 485965

Analyte	Spike Added	LCS Result	LCS Qual	Total z ncertf (27 σ/-)	RL	MDC	z nit	. Rec	. Recf Limits
Radium-226	15.1	12.14		1.47	1.00	0.236	pCi/L	80	75 - 125

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

Lab Sample ID: LCS 160-485965/1-A
Matrix: Water
Analysis Batch: 489414

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 485965

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	. 08		40 - 110

Lab Sample ID: LCSD 160-485965/2-A
Matrix: Water
Analysis Batch: 489414

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 485965

Analyte			Spike Added	LCSD Result	LCSD Qual	Total z ncertf (27 σ/-)	RL	MDC	z nit	. Rec	. Recf Limits	R%R	R%R Limit
Radium-226			15.1	13.28		1.58	1.00	0.247	pCi/L	88	75 - 125	0.37	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	. 08		40 - 110

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-485953/24-A
Matrix: Water
Analysis Batch: 490965

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 485953

Analyte	MB Result	MB Qualifier	Count z ncertf (27 σ/-)	Total z ncertf (27 σ/-)	RL	MDC	z nit	Prepared	Analyzed	Dil Fac
Radium-228	-0.1186	U	0.402	0.402	1.00	0.737	pCi/L	10/16/20 12:53	12/04/20 11:46	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	6385		40 - 110	10/13/20 1295:	12/04/20 11943	1
7 Carrier	Y185		40 - 110	10/13/20 1295:	12/04/20 11943	1

Lab Sample ID: LCS 160-485953/1-A
Matrix: Water
Analysis Batch: 490854

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 485953

Analyte			Spike Added	LCS Result	LCS Qual	Total z ncertf (27 σ/-)	RL	MDC	z nit	. Rec	. Recf Limits		
Radium-228			10.1	7.437	*	0.960	1.00	0.451	pCi/L	73	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	. . 81		40 - 110
7 Carrier	Y. 80		40 - 110

Lab Sample ID: LCSD 160-485953/2-A
Matrix: Water
Analysis Batch: 490854

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 485953

Analyte			Spike Added	LCSD Result	LCSD Qual	Total z ncertf (27 σ/-)	RL	MDC	z nit	. Rec	. Recf Limits	R%R	R%R Limit
Radium-228			10.1	8.917		1.11	1.00	0.406	pCi/L	88	75 - 125	0.72	1

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

Lab Sample ID: LCSD 160-485953/2-A
Matrix: Water
Analysis Batch: 490854

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 485953

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	. . 84		40 - 110
7 Carrier	Y48l		40 - 110

Lab Sample ID: MB 160-4893E5/23-A
Matrix: Water
Analysis Batch: 490291

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4893E5

Analyte	MB Result	MB Qualifier	Count z ncertf (27 σ/-)	Total z ncertf (27 σ/-)	RL	MDC	z nit	Prepared	Analy+ed	Dil Fac
Radium-228	0.07343	U	0.310	0.310	1.00	0.540	pCi/L	11/17/20 11:38	11/25/20 11:57	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	Y68		40 - 110	11/16/20 119 Y	11/25/20 11956	1
7 Carrier	10:		40 - 110	11/16/20 119 Y	11/25/20 11956	1

Lab Sample ID: LCS 160-4893E5/1-A
Matrix: Water
Analysis Batch: 4902E9

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4893E5

Analyte			Spike Added	LCS Result	LCS Qual	Total z ncertf (27 σ/-)	RL	MDC	z nit	. Rec	. Recf Limits		
Radium-228			10.2	6.685	*	0.896	1.00	0.417	pCi/L	66	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	Y: 83		40 - 110
7 Carrier	105		40 - 110

Lab Sample ID: LCSD 160-4893E5/2-A
Matrix: Water
Analysis Batch: 490291

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4893E5

Analyte			Spike Added	LCSD Result	LCSD Qual	Total z ncertf (27 σ/-)	RL	MDC	z nit	. Rec	. Recf Limits	R%R	R%R Limit
Radium-228			10.2	7.806		1.01	1.00	0.505	pCi/L	77	75 - 125	0.59	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	Y185		40 - 110
7 Carrier	103		40 - 110

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

Chain of Custody Record

400-194296 COC

eurofins | Environment Testing America

Client Information	Sampler: Philip Evans / Brett Surles	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-96743-23631.1
Client Contact: Barry Evans	Phone: 850-336-0192	E-Mail: Cheyenne.Whitmire@Eurofinset.com		Page: Page 1 of 1
Company: Gulf Power Company		Analysis Requested		Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			Preservation Codes:
City: Pensacola	TAT Requested (days):			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: FL, 32520				Other:
Phone: 850-444-6427(Tel)	PO #: 2000339513			
Email: Barry.Evans@nexteraenergy.com	WO #: 3000004117			
Project Name: CCR Plant Crist GSA Delineation Sampling	Project #: 40005424			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N	D	N	N		
[redacted]				Water										
[redacted]				Water										
[redacted]				Water										
PZ-201D	10/12/20	1104	G	Water			X	X	X	X	X	X		
PZ-203D	10/12/20	1300	G	Water			X	X	X	X	X	X		
MW2032/GE-1D	10/12/20	1214	G	Water			X	X	X	X	X	X		
				Water										
				Water										

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10/12/20 1430	RDH		10-12-20 1430	GTA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.9°C, 1.4°C

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Brett Sykes	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-96743-23631.1
Client Contact: Barry Evans	Phone: 850 380 3458	E-Mail: Cheyenne.Whitmire@Eurofinset.com		Page: Page 1 of 1
Company: Gulf Power Company				Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32520				
Phone: 850-444-6427(Tel)	PO #: 2000339513			
Email: Barry.Evans@nexteraenergy.com	WO #: 3000004117			
Project Name: CCR Plant Crist GSA Delineation Sampling	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-6, Z - other (specify)

Other:

400-194296 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E, SM4500_SO4_E	FieldSampling - Field Sampling Parameters	6020, 7470A	2540C - Total Dissolved Solids	4500_F_C - Fluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N	D	N	N		
PZ-200S	10/13/20	0825	G	Water			X	X	X	X	X	X		
PZ-200D	10/13/20	0741	G	Water			X	X	X	X	X	X		
GSA-2S	10/13/20	0830	G	Water			X	X	X	X	X	X		
[redacted]				Water										
[redacted]				Water										
[redacted]				Water										
FB-04	10/12/20	1255	G	Water			X	X	X	X	X	X		
EB-04	10/13/20	0800	G	Water			X	X	X	X	X	X		

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	10/13/20 1405	FDH	Kathy R Owen	10-13-20 1405	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.0 & IR

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 400-194296-2
SDG Number: GSA Delineation Sampling

Login Number: 194296
List Number: 1
Creator: Perez, Trina M

List Source: Eurofins TestAmerica, 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.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.9°C, 1.4°C IR-9, 0.0°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 400-194296-2
SDG Number: GSA Delineation Sampling

Login Number: 194296
List Number: 2
Creator: Mazariegos, Leonel A

List Source: Eurofins TestAmerica, St. Louis
List Creation: 10/15/20 01:47 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: Gulf Power Company
Proce/ tSRite: CCs Plant CriBt

Job ID: 400-19429j -2
RDG: GRk Delineation Rampling

Laboratory: Eurofins TestAmerica, StPLouis

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Autl ority	hrogram	Identification Number	Expiration Date
k laBNa (URT)	Rtate	20-001	05-0j -22
k . k 6	Depthof DefenBe ELk P	L2305	04-0j -22
k . k 6	Depthof Energy	L2305h01	04-0j -22
k . k 6	IROSEC 17025	L2305	04-0j -22
k rizona	Rtate	k Z0813	12-08-20
California	LoBk ngeleB County Ranitation DiBtri/ tB	10259	0j -30-21
California	Rtate	288j	0j -30-21
Conne/ ti/ ut	Rtate	PH-0241	03-31-21
Florida	. ELk P	E87j 89	0j -30-21
HI - s adCAem s e/ ognition	Rtate	nSa	0j -30-21
IllinoiB	. ELk P	004553	11-30-21
Iowa	Rtate	373	12-01-22
Kentu/ Ny (DW)	Rtate	KY90125	12-31-20
LouiBiana	. ELk P	04080	0j -30-21
LouiBiana (DW)	Rtate	Lk 011	12-31-20
Maryland	Rtate	310	09-30-21
MI - s adCAem s e/ ognition	Rtate	9005	0j -30-21
MiBBouri	Rtate	780	0j -30-22
. evada	Rtate	MO000542020-1	07-31-21
. ew JerBey	. ELk P	MO002	0j -30-21
. ew YorN	. ELk P	11j 1j	04-01-21
. ortA DaNota	Rtate	s -207	0j -30-21
. s C	. s C	24-24817-01	12-31-22
ONaAoma	Rtate	9997	08-31-21
Oregon	. ELk P	4157	09-01-21
PennBylvania	. ELk P	j 8-00540	02-28-21
RoutA Carolina	Rtate	85002001	0j -30-21
TexaB	. ELk P	T104704193-19-13	07-31-21
UR FiBA & Wildlife	UR Federal ProgramB	058448	07-31-21
URDk	UR Federal ProgramB	P330-17-00028	03-11-23
UtaA	. ELk P	MO000542019-11	07-31-21
Virginia	. ELk P	10310	0j -14-21
WaBAington	Rtate	C592	08-30-21
WeBt Virginia DEP	Rtate	381	10-31-21

Geosyntec consultants

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Memorandum

Date:	11 January 2021
To:	Lane Dorman
From:	Kristoffer Henderson
CC:	J. Caprio
Subject:	**Stage 2A Data Validations - Level II Data Deliverable – Eurofins TestAmerica Job ID 400-194111-1 Revision 1**

SITE: CCR Plant Crist

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of six aqueous samples and one field duplicate sample, collected 7 October 2020, as part of the Plant Crist 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

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, January 2017 (EPA 540-R-2017-001).

The following samples were analyzed and reported in the laboratory report:

Laboratory ID	Client ID
400-194111-1	MW-100
400-194111-2	MW-101
400-194111-3	MW-107
400-194111-4	MW-108

Laboratory ID	Client ID
400-194111-5	MW-306
400-194111-6	MW-307
400-194111-7	DUP-01

The samples were received within the criteria of 0-6 degrees Celsius (ºC). No preservation issues were noted by the laboratory.

The laboratory report was revised on January 8, 2021 to add the arsenic result to the method blank in batch 506024. The revised report was identified as 400-194111-1 Revision 1.

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

The metals data reported in the data 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%.

1.2 Holding Time

The holding time for the metals analysis 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). One method blank was reported (batch 506024). Metals were not detected in the method blank above the method detection limits (MDLs), with the following exceptions.

Arsenic, beryllium and lithium were detected in the method blank at estimated concentrations greater than the MDLs and less than the practical quantitation limits (PQLs). Therefore, the estimated arsenic, beryllium and lithium concentrations in the associated samples were U qualified as not detected at the PQLs and based on professional and technical judgment the lithium concentrations in samples MW-100, MW-101, MW-107 and MW-306 were J+ qualified as estimated with high biases.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
MW-100	Beryllium	0.0014	I,V	0.0025	U	3
MW-100	Lithium	0.0054	V	0.0054	J+	3
MW-101	Arsenic	0.00056	I	0.0013	U	3
MW-101	Beryllium	0.0014	I,V	0.0025	U	3
MW-101	Lithium	0.0052	V	0.0052	J+	3
MW-107	Beryllium	0.0015	I,V	0.0025	U	3
MW-107	Lithium	0.0054	V	0.0054	J+	3
MW-108	Beryllium	0.0015	I,V	0.0025	U	3
MW-108	Lithium	0.0048	I,V	0.0048	U	3
MW-306	Arsenic	0.00064	I	0.0013	U	3
MW-306	Beryllium	0.0014	I,V	0.0025	U	3
MW-306	Lithium	0.0050	V	0.0050	J+	3
MW-307	Beryllium	0.0014	I,V	0.0025	U	3
MW-307	Lithium	0.0049	I,V	0.0049	U	3
DUP-01	Beryllium	0.0015	I,V	0.0025	U	3
DUP-01	Lithium	0.0049	I,V	0.0049	U	3

I-estimated value between the MDL and PQL
V-laboratory flag defined as analyte was detected in both the sample and method blank and the sample concentration was less than ten times the method blank concentration

*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). One sample set specific MS/MSD pair was reported using sample MW-100. The recovery and relative percent difference (RPD) results were within the laboratory specified acceptance criteria.

1.5 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One LCS was reported. The recovery results were within the laboratory specified acceptance criteria.

1.6 Equipment Blank

An equipment blank was not collected with the sample set.

1.7 Field Blank

A field blank was not collected with the sample set.

1.8 Field Duplicate

One field duplicate was collected with the sample set, DUP-01. Acceptable precision (RPD≤ 30%) was demonstrated between the field duplicate and the original sample, MW-107, with the following exceptions.

Chromium was not detected in DUP-01 and was detected at an estimated concentration greater than the MDL and less than the PQL, in MW-107 resulting in a noncalculable RPD. Therefore, the chromium concentration in MW-107 was J qualified as estimated and the non-detect chromium result in DUP-01 was UJ qualified as estimated less than the MDL.

Lithium was detected in DUP-01 at an estimated concentration greater than the MDL and less than the PQL and was detected in MW-107 at a concentration greater than the PQL, resulting in a noncalculable RPD. Therefore, the lithium concentrations in field duplicate pair MW-107/DUP-01 were J qualified as estimated.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	RPD	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-107	Chromium	0.0010	I	NC	0.001	J	7

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	RPD	Validation Result (mg/L)	Validation Qualifier	Reason Code
DUP-01	Chromium	0.0010	U		0.001	UJ	7
MW-107	Lithium	0.0054	V	NC	0.0054	J	7
DUP-01	Lithium	0.0049	I,V		0.0049	J	7

mg/L-milligram per liter
I-estimated concentration greater than the MDL and less than the PQL
U-not detected at or above the MDL
V-laboratory flag defined as analyte was detected in both the sample and method blank and the sample concentration was less than ten times the method blank concentration
NC-not calculable

1.9 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were reported due to dilutions analyzed.

1.10 Electronic Data Deliverable (EDD) Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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 the data 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%.

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). Two method blanks were reported (batches 506016 and 506274). Mercury was not detected in the method blanks above the MDL, with the following exception.

Mercury was detected in the method blank in batch 506274 at an estimated concentration greater than the MDL and less than the PQL. Therefore, the estimated mercury concentrations in the associated samples were U qualified as not detected at the PQL.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-108	Mercury	0.00013	I,V	0.00020	U	3
MW-306	Mercury	0.000080	I,V	0.00020	U	3

mg/L-milligrams per liter
I-estimated value between the MDL and PQL
V-laboratory flag defined as analyte was detected in both the sample and method blank and the sample concentration was less than ten times the method blank concentration

2.4 Matrix Spike/Matrix Spike Duplicate

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two 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). Two LCSs were reported. The recovery results were within the laboratory specified acceptance criteria.

2.6 Equipment Blank

An equipment blank was not collected with the sample set.

2.7 Field Blank

A field blank was not collected with the sample set.

2.8 Field Duplicate

One field duplicate was collected with the sample set, DUP-01. Acceptable precision (RPD ≤ 30%) was not demonstrated between the field duplicate and the original sample, MW-107.

Mercury was not detected in DUP-01 and was detected in MW-107 at a concentration greater than the PQL, resulting in a noncalculable RPD. Therefore, the mercury concentration in MW-107 was J qualified as estimated and the non-detect mercury result in DUP-01 was UJ qualified as estimated less than the MDL.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	RPD	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-107	Mercury	0.00025	V	NC	0.00025	J	7
DUP-01	Mercury	0.000070	U		0.000070	UJ	7

mg/L-milligram per liter
U-not detected at or above the MDL
V-laboratory flag defined as analyte was detected in both the sample and method blank and the sample concentration was less than ten times the method blank concentration
NC-not calculable

2.9 Sensitivity

The samples were reported to the MDL. Elevated non-detect results were not reported.

2.10 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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 the data 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 data set 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. 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 and sulfate using sample MW-100. The recovery and RPD results were within the laboratory specified acceptance criteria.

Batch MS/MSD pairs were also reported for fluoride. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

3.5 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.

The laboratory also analyzed method reporting limit (MRL) standards for chloride and sulfate. The MRL recoveries were within the laboratory specified acceptance criteria

3.6 Laboratory Duplicate

Batch laboratory duplicates were reported for TDS. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

3.7 Equipment Blank

An equipment blank was not collected with the sample set.

3.8 Field Blank

A field blank was not collected with the sample set.

3.9 Field Duplicate

One field duplicate was collected with the sample set, DUP-01. Acceptable precision (RPD $\leq$ 30%) was demonstrated between the field duplicate and the original sample, MW-107.

The RPD of TDS in the field duplicate pair DUP-01/MW-107 was greater than 30%. Therefore, the TDS concentrations in the field duplicate pair DUP-01/MW-107 were J qualified as estimated.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	RPD	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-107	TDS	20	NA	67	20	J	7
DUP-01	TDS	10	NA		10	J	7

mg/L-milligrams per liter
NA-not applicable

3.10 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

3.11 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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* * * * *

ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS
AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for but was not detected 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.

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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
NV	Result not validated

LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample duplicate
RPD - Relative percent difference

Geosyntec consultants

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Memorandum

Date:	January 11, 2021
To:	Lane Dorman
From:	Kristoffer Henderson
CC:	J. Caprio
Subject:	**Stage 2A Data Validations - Level II Data Deliverable – Eurofins TestAmerica Job ID 400-194111-2**

SITE: Plant Crist

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of six water samples and one field duplicate, collected 7 October 2020, as part of the Plant Crist sampling event.

The samples were analyzed at Eurofins TestAmerica, St Louis, MO, for the following analytical tests:

- Radium-226 by United States (US) Environmental Protection Agency (EPA) Method 9315
- Radium-228 by US EPA Method 9320
- Combined Radium 226 + 228 by Calculation

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data are usable for supporting project objectives.

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 report:

Laboratory ID	Client ID
400-194111-1	MW-100
400-194111-2	MW-101
400-194111-3	MW-107
400-194111-4	MW-108

Laboratory ID	Client ID
400-194111-5	MW-306
400-194111-6	MW-307
400-194111-7	DUP-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
- ✓ Laboratory Duplicate
- ✓ Tracers and Carriers
- ✓ Equipment Blank
- ✓ Field Blank
- ✓ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverable Review

1.1 Overall Assessment

The radium-226 and radium-228 data reported in this data package are considered usable for meeting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this sample set is 100%.

1.2 Holding Times

The holding time for the radiochemistry 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). Method blanks were reported for radium-226 (batch 485356) and radium-228 (batch 488533). The radiochemistry parameters were not detected in the method blanks above the minimum detectable concentrations (MDCs).

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). One LCS/LCS duplicate (LCSD) pair was reported for radium-226 and one LCS/LCSD pair was reported for radium-228. The recovery and replicate error ratio (RER) results were within the laboratory specified acceptance criteria.

1.6 Laboratory Duplicate

Laboratory duplicates were not reported.

1.7 Tracers and Carriers

Carriers were reported for the radium-226 and radium-228 analyses. The recovery results were within the laboratory specified acceptance criteria.

1.8 Equipment Blank

An equipment blank was not collected with the sample set.

1.9 Field Blank

A field blank was not collected with the sample set.

1.10 Field Duplicate

One field duplicate was reported with the sample set, DUP-01. Acceptable precision (RER $\leq$ 3) was demonstrated between the field duplicate and the original sample, MW-107.

1.11 Sensitivity

The samples were reported to the MDCs. No elevated non-detect results were reported.

1.12 Electronic Data Deliverable (EDD) Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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
NV	Result not validated

LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample duplicate
RPD - Relative percent difference

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Memorandum

Date:	11 January 2021
To:	Lane Dorman
From:	Kristoffer Henderson
CC:	J. Caprio
Subject:	**Stage 2A Data Validations - Level II Data Deliverables – Eurofins TestAmerica Job IDs 400-194247-1, 400-194247-3, 400-194247-5 and 400-194247-7 Revision 1**

SITE: CCR Plant Crist

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of twelve aqueous samples, two field duplicates, two equipment blanks and two field blanks, collected 9-12 October 2020, as part of the Plant Crist 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

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, January 2017 (EPA 540-R-2017-001).

The following samples were analyzed and reported in the laboratory report:

Laboratory ID	Client ID
400-194247-1	MW-300
400-194247-2	MW-304
400-194247-3	MW-305
400-194247-4	DUP-03
400-194247-5	FB-02
400-194247-6	EB-02
400-194247-7	MW-109
400-194247-8	MW-110
400-194247-9	EB-03

Laboratory ID	Client ID
400-194247-10	MW-203
400-194247-11	MW-204
400-194247-12	MW-205
400-194247-13	FB-03
400-194247-14	MW-200
400-194247-15	MW-201
400-194247-16	MW-206
400-194247-17	MW-202
400-194247-18	DUP-04

The samples were received within the criteria of 0-6 degrees Celsius (ºC). No preservation issues were noted by the laboratory.

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 data 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

The laboratory noted the percent relative standard deviation (%RSD) between the replicate analysis was outside of the criteria for a standard in the initial calibration verification (ICV) in batch 506715. Since the ICV recoveries were within the method specified acceptance criteria and the %RSDs of the ICV were within the criteria for a sample and based on professional and technical judgment, no qualifications were applied to the data.

1.2 Holding Time

The holding time for the metals analysis 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). One method blank was reported (batch 506487). Metals were not detected in the method blank above the method detection limits (MDLs).

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). One sample set specific MS/MSD pair was reported using sample MW- 300. The recovery and relative percent difference (RPD) results were within the laboratory specified acceptance criteria.

1.5 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One LCS was reported. The recovery results were within the laboratory specified acceptance criteria.

1.6 Equipment Blank

Two equipment blanks were collected with the sample set, EB-02 and EB-03. Metals were not detected in the equipment blanks above the MDLs, with the following exception.

Boron was detected in EB-03 at an estimated concentration greater than the MDL and less than the practical quantitation limit (PQL). Therefore, the estimated boron concentrations in the associated samples were U qualified as not detected at the PQL.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-300	Boron	0.025	I	0.050	U	3
MW-305	Boron	0.018	I	0.050	U	3

mg/L-milligrams per liter
I-estimated value between the MDL and PQL
*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

1.7 Field Blank

Two field blanks were collected with the sample set, FB-02 and FB-03. 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-03 and DUP-04. Acceptable precision (RPD≤ 30%) was demonstrated between the field duplicate and the original sample, MW-305 and MW-202, respectively.

Arsenic and boron were not detected in DUP-03 and were detected in MW-305 at estimated concentrations greater than the MDLs and less than the PQLs, resulting in noncalculable RPDs. Since the boron concentration in MW-305 was U qualified as not detected at the PQL due to equipment blank contamination and based on professional and technical judgment, no additional qualifications were applied to the boron data. However, the arsenic concentration in MW-305 was J qualified as estimated and the non-detect arsenic result in DUP-03 was UJ qualified as estimated less than the MDL.

Arsenic was not detected in DUP-04 and was detected in MW-202 at an estimated concentration greater than the MDL and less than the PQL, resulting in a noncalculable RPD. Therefore, the arsenic concentration in MW-202 was J qualified as estimated and the non-detect arsenic result in DUP-04 was UJ qualified as estimated less than the MDL.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	RPD	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-305	Arsenic	0.00057	I	NC	0.00057	J	7
DUP-03	Arsenic	0.00039	U		0.00039	UJ	7
MW-305	Boron	0.018	I	NC*	NA	NA	NA
DUP-03	Boron	0.018	U		NA	NA	NA
MW-202	Arsenic	0.00087	I	NC	0.00087	J	7
DUP-04	Arsenic	0.00039	U		0.00039	UJ	7

mg/L-milligram per liter
U-not detected at or above the MDL
NA-not applicable
NC-not calculable
*no qualification see explanation above

1.9 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were reported due to 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 data 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%.

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). One method blank was reported (batch 506379). 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). One sample set specific MS/MSD pair was reported using sample MW-305. Mercury was not recovered (0%) in the MS/MSD pair. Therefore, the estimated mercury concentration in sample MW-305 was J qualified as estimated.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-305	Mercury	0.00014	I	0.00014	J	4

mg/L-milligrams per liter
I-estimated value between the MDL and PQL

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). One LCS was reported. The recovery result was within the laboratory specified acceptance criteria.

2.6 Equipment Blank

Two equipment blanks were collected with the sample set, EB-02 and EB-03. Mercury was not detected in the equipment blanks above the MDL.

2.7 Field Blank

Two field blanks were collected with the sample set, FB-02 and FB-03.

Mercury (0.00027 mg/L) was detected in FB-02 at a concentration greater than the PQL. Therefore, the estimated mercury concentrations in the associated samples were U qualified as not detected at the PQL and based on professional and technical judgment the mercury concentrations in samples MW-304, DUP-03, MW-109 and MW-201 were J+ qualified as estimated with high biases.

Mercury was detected in FB-03 at an estimated concentration greater than the MDL and less than the PQL. Therefore, the estimated mercury concentrations in the associated samples were U qualified as not detected at the PQL.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-304	Mercury	0.00033	NA	0.00033	J+	3
MW-305	Mercury	0.00014	I	0.00020	U	3
DUP-03	Mercury	0.00024	NA	0.00024	J+	3
MW-109	Mercury	0.0014	NA	0.0014	J+	3
MW-204	Mercury	0.00010	I	0.00020	U	3
MW-205	Mercury	0.00015	I	0.00020	U	3
MW-202	Mercury	0.00012	I	0.00020	U	3
DUP-04	Mercury	0.00015	I	0.00020	U	3
MW-200	Mercury	0.00017	I	0.00020	U	3
MW-201	Mercury	0.00026	NA	0.00026	J+	3

mg/L-milligrams per liter
I-estimated value between the MDL and PQL
NA-not applicable

2.8 Field Duplicate

Two field duplicates were collected with the sample set, DUP-03 and DUP-04. Acceptable precision (RPD≤ 30%) was not demonstrated between the field duplicate and the original sample, MW-305 and MW-202, respectively.

Mercury was not detected in DUP-03 and was detected in MW-305 at an estimated concentration greater than the MDL and less than the PQL, resulting in a noncalculable RPD. However, since

the mercury results in MW-305 was U qualified at the PQL and the mercury result for DUP-03 was J+ qualified due to field blank contamination no further qualifications were applied to the mercury results in the field duplicate pair.

2.9 Sensitivity

The samples were reported to the MDL. Elevated non-detect results were not reported.

2.10 Electronic Data Deliverable 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 data 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 data set 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. 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-300 and MW-205, sulfate using samples MW-300 and MW-202 and fluoride using samples FB-02 and MW-201. The results were not included in the laboratory report for MW-201 MS/MSD pair; However, based on the information provided for the remaining results, the recovery and RPD results were within the laboratory specified acceptance criteria, with the following exceptions.

The recoveries of chloride in the MS/MSD pair using sample MW-205 were low and outside the laboratory specified acceptance criteria. Since the chloride concentration in sample MW-205 was greater than or equal to four times the spiked concentration, no qualifications were applied to the data based on the MS/MSD pair results.

The recoveries of sulfate in the MS/MSD pair using sample MW-202 were low and outside the laboratory specified acceptance criteria. Therefore, the sulfate concentration in sample MW-202 was J- qualified as estimated with low bias.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-202	Sulfate	24	NA	24	J-	4

mg/L-milligrams per liter
NA-not applicable

3.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). LCSs were reported for each analysis and batch. The recovery results were within the laboratory specified acceptance criteria.

The laboratory also analyzed method reporting limit (MRL) standards for chloride and sulfate. The MRL recoveries were within the laboratory specified acceptance criteria

3.6 Laboratory Duplicate

One sample set specific laboratory duplicate was reported for TDS using sample MW-203. The RPD result was high and outside of the laboratory specified acceptance criteria. Therefore, the TDS concentration in sample MW-203 was J qualified as estimated.

One batch laboratory duplicate was reported for TDS. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-203	TDS	210	NA	210	J	12

mg/L-milligrams per liter
NA-not applicable

3.7 Equipment Blank

Two equipment blanks were collected with the sample set, EB-02 and EB-03. The wet chemistry parameters were not detected in the equipment blanks above the MDLs.

3.8 Field Blank

Two field blanks were collected with the sample set, FB-02 and FB-03. The wet chemistry parameters were not detected in the field blank above the MDLs, with the following exception.

TDS (28 mg/L) was detected in FB-03 at a concentration greater than the PQL. Therefore, the TDS concentrations in the associated samples greater than the PQL and less than ten times the field blank concentration were J+ qualified as estimated with high biases.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
DUP-03	TDS	40	NA	40	J+	3
MW-300	TDS	52	NA	52	J+	3

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-305	TDS	42	NA	42	J+	3
MW-109	TDS	86	NA	86	J+	3
MW-203	TDS	210	NA	210	J+	3
MW-205	TDS	250	NA	250	J+	3
DUP-04	TDS	90	NA	90	J+	3
MW-202	TDS	96	NA	96	J+	3

mg/L-milligrams per liter
NA-not applicable

3.9 Field Duplicate

Two field duplicates were collected with the sample set, DUP-03 and DUP-04. Acceptable precision (RPD≤ 30%) was demonstrated between the field duplicate and the original sample, MW-305 and MW-202, 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.

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ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS
AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for but was not detected 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.

engineers | scientists | innovators

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
NV	Result not validated

LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample duplicate
RPD - Relative percent difference

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Memorandum

Date:	January 12, 2021
To:	Lane Dorman
From:	Kristoffer Henderson
CC:	J. Caprio
Subject:	**Stage 2A Data Validations - Level II Data Deliverables – Eurofins TestAmerica Job IDs 400-194247-2, 400-194247-4, 400-194247-6 and 400-194247-8**

SITE: Plant Crist

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of twelve water samples, two field duplicates, two equipment blanks and two field blanks, collected 9-12 October 2020, as part of the Plant Crist sampling event.

The samples were analyzed at Eurofins TestAmerica, St Louis, MO, for the following analytical tests:

- Radium-226 by United States (US) Environmental Protection Agency (EPA) Method 9315
- Radium-228 by US EPA Method 9320
- Combined Radium 226 + 228 by Calculation

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data as qualified are usable for supporting project objectives. 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 report:

Laboratory ID	Client ID
400-194247-1	MW-300
400-194247-2	MW-304
400-194247-3	MW-305
400-194247-4	DUP-03
400-194247-5	FB-02
400-194247-6	EB-02
400-194247-7	MW-109
400-194247-8	MW-110
400-194247-9	EB-03

Laboratory ID	Client ID
400-194247-10	MW-203
400-194247-11	MW-204
400-194247-12	MW-205
400-194247-13	FB-03
400-194247-14	MW-200
400-194247-15	MW-201
400-194247-16	MW-206
400-194247-17	MW-202
400-194247-18	DUP-04

No preservation issues were noted by the laboratory.

1.0 RADIOCHEMISTRY

The samples were analyzed for radium-226 by US EPA method 9315, radium-228 by US EPA method 9320 and combined radium 226+228 by calculation.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Times
✓ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Laboratory Duplicate
✓ Tracers and Carriers
⊗ Equipment Blank
✓ Field Blank
✓ Field Duplicate
✓ Sensitivity
✓ Electronic Data Deliverable Review

1.1 Overall Assessment

The radium-226 and radium-228 data reported in this data set are considered usable for meeting project objectives. The results are considered valid; the analytical completeness defined as the ratio

of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

1.2 Holding Times

The holding time for the radiochemistry 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). Method blanks were reported for radium-226 (batches 485378, 485393 and 485916) and radium-228 (batches 485385, 485401 and 485917). The radiochemistry parameters were not detected in the method blanks above the minimum detectable concentrations (MDCs).

1.4 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Two batch MS/MSD pairs were reported for radium-226 and two batch MS/MSD pairs were reported for radium-228.

1.5 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two LCSs and one LCS/LCS duplicate (LCSD) pair were reported for radium-226 and two LCSs and one LCS/LCSD pair were reported for radium-228. The recovery and replicate error ratio (RER) results were within the laboratory specified acceptance criteria.

1.6 Laboratory Duplicate

Laboratory duplicates were not reported.

1.7 Tracers and Carriers

Carriers were reported for the radium-226 and radium-228 analyses. The recovery results were within the laboratory specified acceptance criteria.

1.8 Equipment Blank

Two equipment blanks were collected with the sample set, EB-02 and EB-03. The radiochemistry parameters were not detected in the equipment blanks above the MDCs, with the following exceptions.

Radium-228 (0.483 pCi/L) and combined radium (0.534 pCi/L) were detected in EB-03 at concentrations greater than the MDCs. Therefore, the radium and combined radium concentrations greater than the equipment blank concentrations and less than ten times the equipment blank concentrations were J+ qualified as estimated with high biases.

Sample	Analyte	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier*	Reason Code**
MW-300	Radium-228	4.13	NA	4.13	J+	3
MW-300	Combined Radium 226 + 228	4.71	NA	4.71	J+	3
MW-304	Radium-228	1.03	NA	1.03	J+	3
MW-304	Combined Radium 226 + 228	1.58	NA	1.58	J+	3
MW-305	Radium-228	0.756	NA	0.756	J+	3
MW-305	Combined Radium 226 + 228	0.858	NA	0.858	J+	3
DUP-03	Radium-228	0.878	NA	0.878	J+	3
DUP-03	Combined Radium 226 + 228	1.55	NA	1.55	J+	3
MW-109	Radium-228	2.76	NA	2.76	J+	3
MW-109	Combined Radium 226 + 228	4.00	NA	4.00	J+	3
MW-110	Radium-228	4.05	NA	4.05	J+	3
MW-203	Radium-228	2.58	NA	2.58	J+	3
MW-203	Combined Radium 226 + 228	3.55	NA	3.55	J+	3
MW-205	Radium-228	1.16	F	1.16	J+	3
MW-205	Combined Radium 226 + 228	2.24	NA	2.24	J+	3
MW-200	Radium-228	2.36	NA	2.36	J+	3
MW-200	Combined Radium 226 + 228	4.51	NA	4.51	J+	3
DUP-04	Radium-228	0.625	NA	0.625	J+	3
DUP-04	Combined Radium 226 + 228	1.30	NA	1.30	J+	3
MW-202	Radium-228	0.803	NA	0.803	J+	3
MW-202	Combined Radium 226 + 228	1.86	NA	1.86	J+	3

pCi/L-picocuries per liter
F-laboratory flag indicating the MS/MSD recovery and/or RPD exceeds the control limits
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

1.9 Field Blank

Two field blanks were collected with the sample set, FB-02 and FB-03. The radiochemistry parameters were not detected in the field blanks above the MDCs.

1.10 Field Duplicate

Two field duplicates were collected with the sample set, DUP-03 and DUP-04. Acceptable precision (RER $\leq$ 3) was demonstrated between the field duplicate and the original sample, MW-305 and MW-202, respectively.

1.11 Sensitivity

The samples were reported to the MDCs. No elevated non-detect results were reported.

1.12 Electronic Data Deliverables (EDDs) Review

The results and sample IDs in the EDDs were reviewed against the information provided by the associated level II reports at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II reports and the EDDs.

ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for but was not detected 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.

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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
NV	Result not validated

LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample duplicate
RPD - Relative percent difference

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Memorandum

Date:	11 January 2021
To:	Lane Dorman
From:	Kristoffer Henderson
CC:	J. Caprio
Subject:	**Stage 2A Data Validations - Level II Data Deliverable – Eurofins TestAmerica Job ID 400-194296-1 Revision 1**

SITE: CCR Plant Crist

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of six aqueous samples, one field blank and one equipment blank, collected 12-13 October 2020, as part of the Plant Crist 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

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, with the following exceptions. The non-detect TDS results in the re-analysis of EB-04 and FB-04 were R qualified as rejected due to holding time exceedances. Qualified data that were not rejected 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, January 2017 (EPA 540-R-2017-001).

The following samples were analyzed and reported in the laboratory report:

Laboratory ID	Client ID
400-194296-1	PZ-201D
400-194296-2	PZ-203D
400-194296-3	MW-2032/GE-1D
400-194296-4	PZ-200S

Laboratory ID	Client ID
400-194296-5	PZ-200D
400-194296-6	GSA-2S
400-194296-7	FB-04
400-194296-8	EB-04

The samples were received within the criteria of 0-6 degrees Celsius (°C). No preservation issues were noted by the laboratory.

The laboratory report was revised on January 8, 2021 to add thallium to the laboratory control sample (LCS) in batch 506761. The revised report was identified as 400-194111-1 Revision 1.

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 data 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

The laboratory noted the recovery of boron in the continuing calibration verification (CCV) in batch 507590 was high and outside of the upper control limits. Since boron was not detected in the associated samples, no qualifications were applied to the data.

The laboratory noted the recovery of thallium in the calibration range verification (CRV) was outside the standard operating procedure (SOP) criteria. Since thallium was not detected in the associated samples, no qualifications were applied to the data.

1.2 Holding Time

The holding time for the metals analysis 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). One method blank was reported (batch 506761). Metals were not detected in the method blank above the method detection limits (MDLs), with the following exception.

Arsenic was detected in the method blank at an estimated concentration greater than the MDL and less than the RL. Therefore, the estimated arsenic concentrations in the associated samples were U qualified as not detected at the practical quantitation limit (PQL).

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
MW-2032/GE-1D	Arsenic	0.00093	I,V	0.0013	U	3
EB-04	Arsenic	0.00082	I,V	0.0013	U	3
PZ-200D	Arsenic	0.00088	I,V	0.0013	U	3
PZ-200S	Arsenic	0.00053	I,V	0.0013	U	3

mg/L-milligrams per liter
I-estimated value between the MDL and PQL
V-laboratory flag indicating analyte was detected in the sample and method blank and the sample concentration was less than ten times the method blank concentration
*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). One sample set specific MS/MSD pair was reported using sample PZ-203D. The recovery and relative percent difference (RPD) results were within the laboratory specified acceptance criteria.

1.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One LCS was reported. The recovery results were within the laboratory specified acceptance criteria.

1.6 Equipment Blank

One equipment blank was collected with the sample set, EB-04. Metals were not detected in the equipment blank above the MDLs, with the following exception.

Arsenic was detected in EB-04 at an estimated concentration greater than the MDL and less than the PQL. Since the arsenic concentration in EB-04 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

One field blank was collected with the sample set, FB-04. Metals were not detected in the field blank above the MDLs.

1.8 Field Duplicate

A field duplicate was not collected with the sample set.

1.9 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were reported due to dilutions analyzed.

1.10 Electronic Data Deliverable (EDD) Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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 the data 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%.

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). One method blank was reported (batch 506670). 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). One sample set specific MS/MSD pair was reported using sample PZ-201D. The recovery and RPD results were within the laboratory specified acceptance criteria.

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). One LCS was reported. The recovery result was within the laboratory specified acceptance criteria.

2.6 Equipment Blank

One equipment blank was collected with the sample set, EB-04. Mercury was not detected in the equipment blank above the MDL.

2.7 Field Blank

One field blank was collected with the sample set, FB-04. Mercury was not detected in the field blank above the MDL.

2.8 Field Duplicate

A field duplicate was not collected with the sample set.

2.9 Sensitivity

The samples were reported to the MDL. Elevated non-detect results were not reported.

2.10 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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 data set are considered usable for supporting project objectives, with the following exceptions. The non-detect TDS results in the re-analysis of EB-04 and FB-04 were R qualified as rejected due to holding time exceedances. Therefore, 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 data set is 94.1%.

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, with the following exception.

EB-04 and FB-04 were reanalyzed for TDS outside of the holding time. Therefore, the non-detect TDS results in EB-04 and FB-04 were R qualified as rejected.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
EB-04	TDS	5.0	U Q	5.0	R	2
FB-04	TDS	5.0	U Q	5.0	R	2

mg/L-milligrams per liter
U-not detected at or above the RL
Q-laboratory flag indicating sample held beyond the accepted holding time

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. 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 PZ-201D and PZ-200D and sulfide using sample PZ-200D. The recovery and RPD results were within the laboratory specified acceptance criteria.

Batch MS/MSD pairs were also reported for fluoride and sulfate. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

3.5 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.

The laboratory also analyzed method reporting limit (MRL) standards for chloride and sulfate. The MRL recoveries were within the laboratory specified acceptance criteria

3.6 Laboratory Duplicate

One sample set specific laboratory duplicate was reported for TDS using sample PZ-201D. The RPD result was within the laboratory specified acceptance criteria.

Three batch laboratory duplicates were also reported for TDS. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

3.7 Equipment Blank

One equipment blank was collected with the sample set, EB-04. The wet chemistry parameters were not detected in the equipment blank above the MDLs, with the following exception.

TDS (900 mg/L) was detected in the original analysis of EB-04 at a concentration greater than the PQL. Since the reanalysis of EB-04 was rejected due to a non-detect result associated with a holding time exceedance, the original TDS result was used to assess the equipment blank. Since the estimated concentrations of TDS in the associated samples were U qualified due to field blank contamination, no additional qualifications were applied to samples PZ-201D, PZ-203D, GSA-2S and PZ-200D. Additionally, the TDS concentration in EB-04 was J+ qualified as estimated with a high bias due to field blank contamination and based on professional and technical judgment, the TDS concentrations in samples MW-2032/GE-1D and PZ-200S were J+ qualified as estimated with high biases due to the equipment blank contamination.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
MW-2032/GE-1D	TDS	1100	NA	1100	J+	3
PZ-200S	TDS	1100	NA	1100	J+	3

mg/L-milligrams per liter
NA-not applicable

3.8 Field Blank

One field blank was collected with the sample set, FB-04. The wet chemistry parameters were not detected in the field blank above the MDLs, with the following exception.

TDS (110 mg/L) was detected in the original analysis of FB-04 at a concentration greater than the PQL. Since FB-04 was reanalyzed outside the holding time and TDS was rejected due to a non-detect result associated with a holding time exceedance, the original TDS result was used to assess the field blank. Therefore, the TDS concentrations in the associated samples greater than the field blank concentration and less than ten times the field blank concentration were J+ qualified as estimated with high biases.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
PZ-201D	TDS	88	NA	88	U	3
PZ-203D	TDS	46	NA	46	U	3
EB-04	TDS	900	NA	900	J+	3
GSA-2S	TDS	88	NA	88	U	3
PZ-200D	TDS	76	NA	76	U	3

mg/L-milligrams per liter
NA-not applicable

3.9 Field Duplicate

A field duplicate was not collected with the sample set.

3.10 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

3.11 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS
AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for but was not detected 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.

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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
NV	Result not validated

LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample duplicate
RPD - Relative percent difference

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Memorandum

Date:	January 12, 2021
To:	Lane Dorman
From:	Kristoffer Henderson
CC:	J. Caprio
Subject:	**Stage 2A Data Validations - Level II Data Deliverables – Eurofins TestAmerica Job IDs 400-194296-2**

SITE: Plant Crist

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of six water samples, one field blank and one equipment blank, collected 12-13 October 2020, as part of the Plant Crist sampling event.

The samples were analyzed at Eurofins TestAmerica, St Louis, MO, for the following analytical tests:

- Radium-226 by United States (US) Environmental Protection Agency (EPA) Method 9315
- Radium-228 by US EPA Method 9320
- Combined Radium 226 + 228 by Calculation

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data as qualified are usable for supporting project objectives. 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 report:

Laboratory ID	Client ID
400-194296-1	PZ-201D
400-194296-2	PZ-203D
400-194296-3	MW-2032/GE-1D
400-194296-4	PZ-200S

Laboratory ID	Client ID
400-194296-5	PZ-200D
400-194296-6	GSA-2S
400-194296-7	FB-04
400-194296-8	EB-04

No preservation issues were noted by the laboratory.

1.0 RADIOCHEMISTRY

The samples were analyzed for radium-226 by US EPA method 9315, radium-228 by US EPA method 9320 and combined radium 226+228 by calculation.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Times
✓ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
⊗ Laboratory Control Sample
✓ Laboratory Duplicate
✓ Tracers and Carriers
⊗ Equipment Blank
✓ Field Blank
✓ Field Duplicate
✓ Sensitivity
✓ Electronic Data Deliverable Review

1.1 Overall Assessment

The radium-226 and radium-228 data reported in this data package are considered usable for meeting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this sample set is 100%.

1.2 Holding Times

The holding time for the radiochemistry 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). Method blanks were reported for radium-226 (batches 485951 and 485965) and radium-228 (batch 485953 and 489375). The radiochemistry parameters were not detected in the method blanks above the minimum detectable concentrations (MDCs).

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/LCS 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, with the following exceptions.

The recoveries of radium-228 in the LCSs in batches 485953 and 489375 were low and outside of the laboratory specified acceptance criteria. Therefore, the radium-228 and combined radium concentrations less than the MDCs were UJ qualified as estimated less than the MDCs and the radium-228 and combined radium concentrations greater than the MDCs were J- qualified as estimated with low biases.

Sample	Analyte	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier**	Reason Code***
PZ-201D	Radium-228	-0.675	U,*	-0.675	UJ	5
PZ-201D	Combined Radium 226 + 228	-0.479	U	-0.479	UJ	5
PZ-203D	Radium-228	0.0303	U,*	0.0303	UJ	5
PZ-203D	Combined Radium 226 + 228	0.0901	U	0.0901	UJ	5
MW-2032/GE-1D	Radium-228	0.941	*	0.941	J-	5
MW-2032/GE-1D	Combined Radium 226 + 228	1.71	NA	1.71	J-	5
PZ-200S	Radium-228	2.31	*	2.31	J-	5

Sample	Analyte	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier**	Reason Code***
PZ-200S	Combined Radium 226 + 228	5.33	NA	5.33	J-	5
PZ-200D	Radium-228	0.539	*	0.539	J-	5
PZ-200D	Combined Radium 226 + 228	0.781	NA	0.781	J-	5
GSA-2S	Radium-228	5.56	*	5.56	J-	5
GSA-2S	Combined Radium 226 + 228	11.2	NA	11.2	J-	5
FB-04	Radium-228	0.384	U,*	0.384	UJ	5
FB-04	Combined Radium 226 + 228	0.444	U	0.444	UJ	5
EB-04	Radium-228	-0.0419	U,*	-0.0419	UJ	5
EB-04	Combined Radium 226 + 228	0.425	U	0.425	U	5

pCi/L-picocuries per liter
NA-not applicable
*laboratory flag indicating LCS or LCSD was outside acceptance limits
**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

1.6 Laboratory Duplicate

Laboratory duplicates were not reported.

1.7 Tracers and Carriers

Carriers were reported for the radium-226 and radium-228 analyses. The recovery results were within the laboratory specified acceptance criteria.

1.8 Equipment Blank

One equipment blank was collected with the sample set, EB-04. The radiochemistry parameters were not detected in the equipment blank above the MDCs, with the following exception.

Radium-226 (0.466 pCi/L) was detected in EB-04 at a concentration greater than the MDC. Therefore, the radim-226 concentrations greater than the MDC and less than the equipment blank concentration were U qualified as not detected at the reported concentration and the radium-226 concentrations greater than the equipment blank concentration and less than ten times the equipment blank concentration were J+ qualified as estimated with high biases. In addition, based on professional and technical judgment, the combined radium concentrations in samples MW-2032/GE-1D, PZ-200S and PZ-200D were J+ qualified as estimated with high biases.

Sample	Analyte	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	Reason Code
PZ-201D	Radium-226	0.195	NA	0.195	U	3
MW-2032/GE-1D	Radium-226	0.765	NA	0.765	J+	3
MW-2032/GE-1D	Combined Radium 226 + 228	1.71	NA	1.71	J+	3
PZ-200S	Radium-226	3.02	NA	3.02	J+	3
PZ-200S	Combined Radium 226 + 228	5.33	NA	5.33	J+	3
PZ-200D	Radium-226	0.242	NA	0.242	U	3
PZ-200D	Combined Radium 226 + 228	0.781	NA	0.781	J+	3

pCi/L-picocuries per liter
NA-not applicable

1.9 Field Blank

Two field blanks were collected with the sample set, FB-02 and FB-03. The radiochemistry parameters were not detected in the field blanks above the MDCs.

1.10 Field Duplicate

A field duplicate was not collected with the sample set,

1.11 Sensitivity

The samples were reported to the MDCs. No elevated non-detect results were reported.

1.12 Electronic Data Deliverable (EDD) Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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.

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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
NV	Result not validated

LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample duplicate
RPD - Relative percent difference

APPENDIX B

Statistical Analyses – November 2019
Semi-Annual Monitoring

FALL 2019

GROUNDWATER STATISTICAL ANALYSIS

FOR GULF POWER'S

PLANT CRIST

Prepared by:

Groundwater Stats Consulting LLC

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GROUNDWATER STATS CONSULTING

March 12, 2020

Geosyntec Consultants
Attn: Mr. Benjamin K. Amos, Ph.D., P.E.
1255 Roberts Boulevard, Suite 200
Kennesaw, GA 30144

Re: Plant Crist
Statistical Analysis – November 2019 Sample Event

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 November 2019 sample event at Gulf Power Company's Plant Crist. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals from Electric Utilities (CCR Rule, 2015) as well as with the USEPA Unified Guidance (2009).

Sampling began at Plant Crist for the CCR program in 2016 at each of the groundwater monitoring wells. The monitoring well network, as provided by Geosyntec Consultants, is provided below. The monitoring well network for the Gypsum Storage Area originally included wells MW-202, MW-203, MW-204 and MW-205. However, further research conducted by Geosyntec Consultants, reportedly, concluded that the location of these compliance wells does not represent the zone of groundwater quality downgradient of the site and, therefore, would not identify whether groundwater is affected from practices at the site. Therefore, these wells are not included in the statistical analysis provided in this report.

- **Upgradient wells:** MW-100, MW-101, MW-107, MW-108, MW-306, MW-307
- **Ash Landfill No. 1 (100 Series):** MW-102, MW-103, MW-104, MW-105, MW-106, MW-109, MW-110
- **Gypsum Storage Area (200 Series):** MW-200, MW-201, MW-206
- **Ash Landfill No. 2 (300 Series):** MW-300, MW-303, MW-304, MW-305, MW-308

Data were provided electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Dr. Jim Loftis, Civil & Environmental Engineering professor emeritus at Colorado State University and Senior Advisor to Groundwater Stats Consulting. The statistical analysis was performed according to the groundwater data screening that was performed in October 2017 by GSC and approved by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting and primary author of the USEPA Unified Guidance.

The CCR program consists of the following constituents:

- **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 plots for Appendix III and IV parameters at the 100, 200 and 300 series wells are provided for these wells for the above constituents. Additionally, box plots are included for these constituents. The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells.

Proposed background data at all wells were 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 are recommended. Power curves were provided for interwell and intrawell prediction limits, based on the number of downgradient wells for each series of wells to demonstrate that the selected statistical methods for Appendix III parameters complies with the USEPA Unified Guidance recommendations. Background data were

then updated during the Fall 2019 analysis, and a summary of those results is discussed below.

Historical Summary – October 2017 Background Screening

Outlier and Trend Testing

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not conservative from a regulatory perspective, in proposed background data. Suspected outliers at all wells for Appendix III and Appendix IV parameters 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. A summary of flagged values follows this letter. These values maybe also be seen on the time series graphs as disconnected points and on the data pages in a lighter font. No seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

While trends may be visually identified, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test was used to evaluate all data at each well to identify statistically significant increasing or decreasing trends. In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant decreasing trends are present, earlier data are evaluated to determine whether earlier concentration levels are significantly different than current reported concentrations and will be deselected as necessary. When the historical records of data are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits.

The results of the trend analyses were presented with the screening report and showed a few statistically significant decreasing trends and one increasing trend. All trends noted were relatively low in magnitude when compared to average concentrations. Therefore, no adjustments were necessary.

Appendix III – Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells, which assists in identifying the most appropriate statistical approach. Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells would not be conservative from a regulatory perspective; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter.

The ANOVA identified variation among upgradient well data at Plant Crist for the following Appendix III parameters: calcium, chloride, pH, and sulfate. No statistically significant variation was noted for boron, fluoride or TDS, making these constituents eligible for interwell analyses. All other constituents were further evaluated as described below for the appropriateness of intrawell testing to accommodate the groundwater quality. A summary table of the ANOVA results was included in the screening report.

Appendix III – Intrawell Method Eligibility Screening

Intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are conservative (i.e. lower) from a regulatory perspective, and that will rapidly identify a change in more recent compliance data from within a given well. This statistical method removes the element of variation from across wells and eliminates the chance of mistaking natural spatial variation for a release from the facility. Prior to performing intrawell prediction limits, several steps are required to reasonably demonstrate that downgradient water quality does not have existing impacts from the practices of the facility.

Exploratory data analysis was used as a general comparison of concentrations in downgradient wells for all Appendix III parameters recommended for intrawell analyses to concentrations reported in upgradient wells. Upper tolerance limits are used in conjunction with confidence intervals to determine whether the estimated averages in downgradient wells are higher than observed levels upgradient of the facility. The upper tolerance limits were constructed to represent the extreme upper range of potential background levels at the site.

Either parametric or nonparametric tolerance limits are calculated based on the data characteristics that are described below for prediction limits. Parametric tolerance limits (for normal or transformed-normally distributed data) were constructed with a target of 99% confidence and 95% coverage using pooled upgradient well data for each of the Appendix III parameters recommended for intrawell analyses. For non-normal data, nonparametric tolerance limits are used. The confidence and coverage levels for nonparametric tolerance limits are dependent upon the number of background samples. As more data are collected, the background population is better represented, and the confidence and coverage levels increase.

Confidence intervals were constructed on downgradient wells for each of the Appendix III parameters exhibiting spatial variation, using the tolerance limits discussed above, to determine intrawell eligibility. Either parametric or nonparametric confidence intervals were constructed as appropriate. When the entire confidence interval is above the background limit for a given parameter, interwell methods are initially recommended as the statistical method. Note that this screening identifies whether confidence intervals are above a background limit but does not identify the reason for this occurrence. Therefore, only the wells/parameters with confidence intervals which did not exceed background limits are eligible for intrawell prediction limits.

Confidence intervals for Appendix III parameters were found to be above the background standards in at least one well for each parameter at Ash Landfill No. 1. Interwell prediction limits are recommended initially for all Appendix III parameters at this unit. Confidence intervals were above background standards for all parameters except pH at the Gypsum Storage Area and Ash Landfill No. 2. Therefore, intrawell methods may be used for pH and interwell methods for all other Appendix III parameters at these two units. The results of the upper tolerance limits calculations and confidence interval comparisons were presented in the background screening report.

If further evaluation confirms natural variation in groundwater at these downgradient wells, intrawell methods will be considered for these parameters. In cases where downgradient average concentrations are higher than observed 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 Summary – September 2019

Intrawell prediction limits, which compare the most recent compliance sample from a given well to historical data from the same well, are updated by testing for the appropriateness of consolidating new sampling observations with the screened background data. This process is described below and requires a minimum of four new data points. During the September 2019 analysis, historical data through May 2017 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. However, only the 200 and 300 series wells were eligible for intrawell testing for pH, as discussed earlier. The 100 series wells, therefore, utilize interwell prediction limits for pH.

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, (pH for the 100 series wells), 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 nondetects, a nonparametric test is utilized. The false positive rate (significance level) associated with the parametric limits is based on an annual 10% as recommended by the EPA Unified Guidance (2009). The significance level for parametric tests assumes semiannual sampling and two comparisons per year at each well. If more than two samples per year are compared against the limit, both the actual significance level and power of the test will be slightly higher. 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% nondetects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% nondetects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit

utilized for nondetects is the practical quantification limit (PQL) as reported by the laboratory.

- When data contain between 15-50% nondetects, the Kaplan-Meier nondetect 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% nondetects.

Prior to performing prediction limits, proposed background data through March 2019 were reviewed to identify any newly suspected outliers at all wells for pH for intrawell testing, and through June 2019 at upgradient wells for boron, calcium, chloride, fluoride, pH, sulfate and TDS for interwell testing. Visual screening is used to identify potential outliers using time series graphs. When necessary, Tukey's outlier test is used to formally test suspected outliers. No additional outlier testing was required during this analysis. Previously flagged values were excluded to reduce variation, better represent background conditions, and provide limits that are conservative from a regulatory perspective. As mentioned above, flagged data are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the accompanying data pages. A summary of flagged values follows this letter.

For pH which required intrawell prediction limits, the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through May 2017 to newer compliance samples through March 2019 at each of the 200 and 300 series wells and upgradient wells to evaluate whether the groups are statistically similar at the 99% confidence level. If no statistically significant difference is found, background data may be updated with compliance data. No statistically significant differences were found between the two groups for pH except at the Gypsum Storage Area for well MW-201. However, the measurements range from 5.62 s.u. to 4.71 s.u. which is in line with concentrations in the other wells and show only a slight decrease in more recent data. Therefore, the background data were updated and will be re-evaluated during the next background update. All other background data sets were updated.

In the future, if the test concludes that the medians of the two groups are significantly different, particularly in the downgradient wells, the background data may not be updated to include the newer data, but will be reconsidered in the future. A summary of these results was submitted with the report.

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. Two statistically significant decreasing trends were identified; however, the magnitude of the trends was low relative to average concentrations, and no adjustment of the record was required. A summary of the trend test results was submitted with the report.

Prediction Limits - Appendix III Parameters

All available upgradient well data through November 2019 were used to establish interwell prediction limits, based on a 1-of-2 resample plan, that are compared against the most recent compliance sample at each downgradient well at the Ash Landfill No. 1. Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed for boron, calcium, chloride, fluoride, pH, sulfate, and TDS. These same limits are used at the Gypsum Storage Area and Ash Landfill No. 2, except for pH. Intrawell prediction limits, using background data through March 2019, combined with a 1-of-2 resample plan are constructed for pH at the Gypsum Storage Area and at Landfill No. 2. Prediction limits combined with retesting meet the recommended guidelines with respect to the annual false positive rate and power requirements as described in the EPA Unified Guidance (2009). With limited background data, initially some of the nonparametric prediction limits will have a higher false positive rate associated with each test. However, as more data are collected and incorporated into background, the false positive rate associated with the nonparametric tests will decrease.

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 will be necessary to accommodate these types of changes. In the intrawell case, data are evaluated when at least 4 new compliance values are available. In the interwell case, newer data are carefully evaluated during each event for new outliers, and prediction limits are constructed using all available data from upgradient 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. Exceedances were noted at each

of the units, and the results may be found following this letter in the Prediction Limit Summary Tables.

Evaluation of Appendix IV Parameters

Either parametric or nonparametric tolerance limits, as appropriate, were used to calculate background limits from pooled upgradient well data for Appendix IV parameters, with a target of 95% confidence and 95% coverage for parametric limits, to determine the Alternate Contaminant Level (ACL). The confidence and coverage levels for nonparametric tolerance limits are dependent upon the number of background samples. These limits were compared to the Maximum Contaminant Levels (MCLs) and CCR rule-specified levels to determine the highest limit for use as the Groundwater Protection Standard (GWPS) in the Confidence Interval comparisons.

Confidence intervals were then constructed on downgradient wells, using all historical data within a given well, for each of the Appendix IV parameters and compared to the highest limit of either the MCL, rule-specified level, or ACL discussed above. For cobalt in well MW-304, the most recent 8 samples are used to construct the confidence interval, rather than the entire data set, to reflect present-day concentrations. The modified date range is shown in the Date Range Table following this letter. The historical data for this constituent had higher concentrations due to a broken pipe that influenced groundwater quality at this well. Concentrations, as expected, have continued to decrease since the pipe was fixed. Only when the entire confidence interval is above a GWPS is the well/constituent pair considered to exceed its respective standard. Tables of the upper tolerance limits, confidence intervals along with graphical comparisons against standards, and significant results (exceedances) follow this letter.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Crist. If you have any questions or comments, please feel free to contact me.

For Groundwater Stats Consulting,



Kristina L. Rayner
Groundwater Statistician

Date Ranges

Date: 3/16/2020 8:46 AM

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Cobalt (mg/L)

MW-304 overall:2/29/2016-11/11/2019

Outlier Summary

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/11/2020, 5:32 PM

	MW-304 Arsenic (mg/L)	MW-200 Cadmium (mg/L)	MW-206 Chloride (mg/L)	MW-107 Chromium (mg/L)	MW-108 Field pH (SU)	MW-307 Lithium (mg/L)	MW-304 Selenium (mg/L)	MW-100 Sulfate (mg/L)	MW-206 Total Dissolved Solids (mg/L)
3/2/2016		0.022 (o)							32000 (o)
3/3/2016	0.009 (o)								
5/2/2016								15 (o)	
5/4/2016	0.019 (o)								
7/5/2016			360 (o)		7.11 (o)				
7/6/2016	0.014 (o)								
11/7/2016						0.0097 (o)			
1/9/2017				0.017 (o)					
10/17/2018							0.05 (o)		

Interwell Prediction Limit Summary - 100 Series Wells Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/7/2020, 4:51 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-103	0.081	n/a	11/7/2019	0.19	Yes	90	n/a	n/a	90	n/a	n/a	0.0002371	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-104	0.081	n/a	11/7/2019	11	Yes	90	n/a	n/a	90	n/a	n/a	0.0002371	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-105	0.081	n/a	11/9/2019	1.8	Yes	90	n/a	n/a	90	n/a	n/a	0.0002371	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-106	0.081	n/a	11/9/2019	0.097	Yes	90	n/a	n/a	90	n/a	n/a	0.0002371	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-109	0.081	n/a	11/7/2019	0.42	Yes	90	n/a	n/a	90	n/a	n/a	0.0002371	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-110	0.081	n/a	11/7/2019	4.2	Yes	90	n/a	n/a	90	n/a	n/a	0.0002371	NP Inter (NDs) 1 of 2
Calcium (mg/L)	MW-103	1.43	n/a	11/7/2019	3.4	Yes	90	0.8908	0.1251	0	None	x^(1/3)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	MW-104	1.43	n/a	11/7/2019	62	Yes	90	0.8908	0.1251	0	None	x^(1/3)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	MW-105	1.43	n/a	11/9/2019	84	Yes	90	0.8908	0.1251	0	None	x^(1/3)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	MW-109	1.43	n/a	11/7/2019	4.3	Yes	90	0.8908	0.1251	0	None	x^(1/3)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	MW-110	1.43	n/a	11/7/2019	32	Yes	90	0.8908	0.1251	0	None	x^(1/3)	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-103	6.758	n/a	11/7/2019	15	Yes	90	5.177	0.8388	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-104	6.758	n/a	11/7/2019	120	Yes	90	5.177	0.8388	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-105	6.758	n/a	11/9/2019	200	Yes	90	5.177	0.8388	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-109	6.758	n/a	11/7/2019	18	Yes	90	5.177	0.8388	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-110	6.758	n/a	11/7/2019	120	Yes	90	5.177	0.8388	0	None	No	0.001075	Param Inter 1 of 2
Field pH (SU)	MW-104	7.11	4.5	11/7/2019	4.03	Yes	90	n/a	n/a	0	n/a	n/a	0.0004742	NP Inter (normality) 1 of 2
Fluoride (mg/L)	MW-104	0.12	n/a	11/7/2019	0.21	Yes	90	n/a	n/a	97.78	n/a	n/a	0.0002371	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-103	5	n/a	11/7/2019	27	Yes	89	n/a	n/a	75.28	n/a	n/a	0.0002432	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-104	5	n/a	11/7/2019	610	Yes	89	n/a	n/a	75.28	n/a	n/a	0.0002432	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-105	5	n/a	11/9/2019	120	Yes	89	n/a	n/a	75.28	n/a	n/a	0.0002432	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-109	5	n/a	11/7/2019	16	Yes	89	n/a	n/a	75.28	n/a	n/a	0.0002432	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-110	5	n/a	11/7/2019	290	Yes	89	n/a	n/a	75.28	n/a	n/a	0.0002432	NP Inter (NDs) 1 of 2
Total Dissolved Solids (mg/L)	MW-104	110	n/a	11/7/2019	980	Yes	90	n/a	n/a	30	n/a	n/a	0.0002371	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-105	110	n/a	11/9/2019	720	Yes	90	n/a	n/a	30	n/a	n/a	0.0002371	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-110	110	n/a	11/7/2019	540	Yes	90	n/a	n/a	30	n/a	n/a	0.0002371	NP Inter (normality) 1 of 2

Interwell Prediction Limit Summary - 100 Series Wells All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/7/2020, 4:51 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-102	0.081	n/a	11/9/2019	0.023	No	90	n/a	n/a	90	n/a	n/a	0.0002371	NP Inter (NDs) 1 of 2
Boron (mg/L)	**MW-103**	**0.081**	**n/a**	**11/7/2019**	**0.19**	**Yes**	**90**	**n/a**	**n/a**	**90**	**n/a**	**n/a**	**0.0002371**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-104**	**0.081**	**n/a**	**11/7/2019**	**11**	**Yes**	**90**	**n/a**	**n/a**	**90**	**n/a**	**n/a**	**0.0002371**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-105**	**0.081**	**n/a**	**11/9/2019**	**1.8**	**Yes**	**90**	**n/a**	**n/a**	**90**	**n/a**	**n/a**	**0.0002371**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-106**	**0.081**	**n/a**	**11/9/2019**	**0.097**	**Yes**	**90**	**n/a**	**n/a**	**90**	**n/a**	**n/a**	**0.0002371**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-109**	**0.081**	**n/a**	**11/7/2019**	**0.42**	**Yes**	**90**	**n/a**	**n/a**	**90**	**n/a**	**n/a**	**0.0002371**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-110**	**0.081**	**n/a**	**11/7/2019**	**4.2**	**Yes**	**90**	**n/a**	**n/a**	**90**	**n/a**	**n/a**	**0.0002371**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	MW-102	1.43	n/a	11/9/2019	0.61	No	90	0.8908	0.1251	0	None	x^(1/3)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	**MW-103**	**1.43**	**n/a**	**11/7/2019**	**3.4**	**Yes**	**90**	**0.8908**	**0.1251**	**0**	**None**	**x^(1/3)**	**0.001075**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-104**	**1.43**	**n/a**	**11/7/2019**	**62**	**Yes**	**90**	**0.8908**	**0.1251**	**0**	**None**	**x^(1/3)**	**0.001075**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-105**	**1.43**	**n/a**	**11/9/2019**	**84**	**Yes**	**90**	**0.8908**	**0.1251**	**0**	**None**	**x^(1/3)**	**0.001075**	**Param Inter 1 of 2**
Calcium (mg/L)	MW-106	1.43	n/a	11/9/2019	0.56	No	90	0.8908	0.1251	0	None	x^(1/3)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	**MW-109**	**1.43**	**n/a**	**11/7/2019**	**4.3**	**Yes**	**90**	**0.8908**	**0.1251**	**0**	**None**	**x^(1/3)**	**0.001075**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-110**	**1.43**	**n/a**	**11/7/2019**	**32**	**Yes**	**90**	**0.8908**	**0.1251**	**0**	**None**	**x^(1/3)**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	MW-102	6.758	n/a	11/9/2019	6.1	No	90	5.177	0.8388	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	**MW-103**	**6.758**	**n/a**	**11/7/2019**	**15**	**Yes**	**90**	**5.177**	**0.8388**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-104**	**6.758**	**n/a**	**11/7/2019**	**120**	**Yes**	**90**	**5.177**	**0.8388**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-105**	**6.758**	**n/a**	**11/9/2019**	**200**	**Yes**	**90**	**5.177**	**0.8388**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	MW-106	6.758	n/a	11/9/2019	4.7	No	90	5.177	0.8388	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	**MW-109**	**6.758**	**n/a**	**11/7/2019**	**18**	**Yes**	**90**	**5.177**	**0.8388**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-110**	**6.758**	**n/a**	**11/7/2019**	**120**	**Yes**	**90**	**5.177**	**0.8388**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Field pH (SU)	MW-102	7.11	4.5	11/9/2019	4.78	No	90	n/a	n/a	0	n/a	n/a	0.0004742	NP Inter (normality) 1 of 2
Field pH (SU)	MW-103	7.11	4.5	11/7/2019	4.99	No	90	n/a	n/a	0	n/a	n/a	0.0004742	NP Inter (normality) 1 of 2
Field pH (SU)	**MW-104**	**7.11**	**4.5**	**11/7/2019**	**4.03**	**Yes**	**90**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0004742**	**NP Inter (normality) 1 of 2**
Field pH (SU)	MW-105	7.11	4.5	11/9/2019	6.19	No	90	n/a	n/a	0	n/a	n/a	0.0004742	NP Inter (normality) 1 of 2
Field pH (SU)	MW-106	7.11	4.5	11/9/2019	5.06	No	90	n/a	n/a	0	n/a	n/a	0.0004742	NP Inter (normality) 1 of 2
Field pH (SU)	MW-109	7.11	4.5	11/7/2019	4.78	No	90	n/a	n/a	0	n/a	n/a	0.0004742	NP Inter (normality) 1 of 2
Field pH (SU)	MW-110	7.11	4.5	11/7/2019	4.74	No	90	n/a	n/a	0	n/a	n/a	0.0004742	NP Inter (normality) 1 of 2
Fluoride (mg/L)	MW-102	0.12	n/a	11/9/2019	0.1ND	No	90	n/a	n/a	97.78	n/a	n/a	0.0002371	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-103	0.12	n/a	11/7/2019	0.1ND	No	90	n/a	n/a	97.78	n/a	n/a	0.0002371	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-104**	**0.12**	**n/a**	**11/7/2019**	**0.21**	**Yes**	**90**	**n/a**	**n/a**	**97.78**	**n/a**	**n/a**	**0.0002371**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	MW-105	0.12	n/a	11/9/2019	0.1ND	No	90	n/a	n/a	97.78	n/a	n/a	0.0002371	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-106	0.12	n/a	11/9/2019	0.1ND	No	90	n/a	n/a	97.78	n/a	n/a	0.0002371	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-109	0.12	n/a	11/7/2019	0.1ND	No	90	n/a	n/a	97.78	n/a	n/a	0.0002371	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-110	0.12	n/a	11/7/2019	0.04	No	90	n/a	n/a	97.78	n/a	n/a	0.0002371	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-102	5	n/a	11/9/2019	5ND	No	89	n/a	n/a	75.28	n/a	n/a	0.0002432	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-103**	**5**	**n/a**	**11/7/2019**	**27**	**Yes**	**89**	**n/a**	**n/a**	**75.28**	**n/a**	**n/a**	**0.0002432**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-104**	**5**	**n/a**	**11/7/2019**	**610**	**Yes**	**89**	**n/a**	**n/a**	**75.28**	**n/a**	**n/a**	**0.0002432**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-105**	**5**	**n/a**	**11/9/2019**	**120**	**Yes**	**89**	**n/a**	**n/a**	**75.28**	**n/a**	**n/a**	**0.0002432**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	MW-106	5	n/a	11/9/2019	5ND	No	89	n/a	n/a	75.28	n/a	n/a	0.0002432	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-109**	**5**	**n/a**	**11/7/2019**	**16**	**Yes**	**89**	**n/a**	**n/a**	**75.28**	**n/a**	**n/a**	**0.0002432**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-110**	**5**	**n/a**	**11/7/2019**	**290**	**Yes**	**89**	**n/a**	**n/a**	**75.28**	**n/a**	**n/a**	**0.0002432**	**NP Inter (NDs) 1 of 2**
Total Dissolved Solids (mg/L)	MW-102	110	n/a	11/9/2019	24	No	90	n/a	n/a	30	n/a	n/a	0.0002371	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-103	110	n/a	11/7/2019	50	No	90	n/a	n/a	30	n/a	n/a	0.0002371	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-104**	**110**	**n/a**	**11/7/2019**	**980**	**Yes**	**90**	**n/a**	**n/a**	**30**	**n/a**	**n/a**	**0.0002371**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-105**	**110**	**n/a**	**11/9/2019**	**720**	**Yes**	**90**	**n/a**	**n/a**	**30**	**n/a**	**n/a**	**0.0002371**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	MW-106	110	n/a	11/9/2019	42	No	90	n/a	n/a	30	n/a	n/a	0.0002371	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-109	110	n/a	11/7/2019	24	No	90	n/a	n/a	30	n/a	n/a	0.0002371	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-110**	**110**	**n/a**	**11/7/2019**	**540**	**Yes**	**90**	**n/a**	**n/a**	**30**	**n/a**	**n/a**	**0.0002371**	**NP Inter (normality) 1 of 2**

Intrawell Prediction Limit Summary - 200 Series Wells All Results (No Significant)

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/7/2020, 5:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	MW-100	5.257	4.453	11/6/2019	4.82	No	13	4.855	0.1936	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-101	5.491	4.42	11/6/2019	4.94	No	13	4.955	0.258	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-107	5.412	4.406	11/6/2019	4.88	No	13	4.909	0.2421	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-108	5.178	4.369	11/6/2019	4.78	No	12	4.773	0.1917	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-306	5.438	4.624	11/6/2019	5.04	No	13	5.031	0.1961	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-307	6.537	5.063	11/6/2019	5.52	No	13	5.8	0.3549	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-200	5.263	4.716	11/12/2019	4.92	No	14	4.989	0.134	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-201	5.704	4.463	11/12/2019	4.67	No	14	5.084	0.304	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-206	4.64	3.998	11/12/2019	4.56	No	14	4.319	0.1573	0	None	No	0.001253	Param Intra 1 of 2

Interwell Prediction Limit Summary - 200 Series Wells Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/7/2020, 4:57 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-200	0.081	n/a	11/12/2019	5.3	Yes	90	n/a	n/a	90	n/a	n/a	0.0002381	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-201	0.081	n/a	11/12/2019	4.5	Yes	90	n/a	n/a	90	n/a	n/a	0.0002381	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-206	0.081	n/a	11/12/2019	14	Yes	90	n/a	n/a	90	n/a	n/a	0.0002381	NP Inter (NDs) 1 of 2
Calcium (mg/L)	MW-200	1.336	n/a	11/12/2019	130	Yes	90	0.8908	0.1251	0	None	x^(1/3)	0.002505	Param Inter 1 of 2
Calcium (mg/L)	MW-201	1.336	n/a	11/12/2019	82	Yes	90	0.8908	0.1251	0	None	x^(1/3)	0.002505	Param Inter 1 of 2
Calcium (mg/L)	MW-206	1.336	n/a	11/12/2019	240	Yes	90	0.8908	0.1251	0	None	x^(1/3)	0.002505	Param Inter 1 of 2
Chloride (mg/L)	MW-200	6.588	n/a	11/12/2019	280	Yes	90	5.177	0.8388	0	None	No	0.002505	Param Inter 1 of 2
Chloride (mg/L)	MW-201	6.588	n/a	11/12/2019	190	Yes	90	5.177	0.8388	0	None	No	0.002505	Param Inter 1 of 2
Chloride (mg/L)	MW-206	6.588	n/a	11/12/2019	490	Yes	90	5.177	0.8388	0	None	No	0.002505	Param Inter 1 of 2
Fluoride (mg/L)	MW-201	0.12	n/a	11/12/2019	0.57	Yes	90	n/a	n/a	97.78	n/a	n/a	0.0002381	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-200	5	n/a	11/12/2019	100	Yes	89	n/a	n/a	75.28	n/a	n/a	0.0002443	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-201	5	n/a	11/12/2019	93	Yes	89	n/a	n/a	75.28	n/a	n/a	0.0002443	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-206	5	n/a	11/12/2019	260	Yes	89	n/a	n/a	75.28	n/a	n/a	0.0002443	NP Inter (NDs) 1 of 2
Total Dissolved Solids (mg/L)	MW-200	110	n/a	11/12/2019	1000	Yes	90	n/a	n/a	30	n/a	n/a	0.0002381	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-201	110	n/a	11/12/2019	670	Yes	90	n/a	n/a	30	n/a	n/a	0.0002381	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-206	110	n/a	11/12/2019	1900	Yes	90	n/a	n/a	30	n/a	n/a	0.0002381	NP Inter (normality) 1 of 2

Interwell Prediction Limit Summary - 200 Series Wells All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/7/2020, 4:57 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**MW-200**	**0.081**	**n/a**	**11/12/2019**	**5.3**	**Yes**	**90**	**n/a**	**n/a**	**90**	**n/a**	**n/a**	**0.0002381**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-201**	**0.081**	**n/a**	**11/12/2019**	**4.5**	**Yes**	**90**	**n/a**	**n/a**	**90**	**n/a**	**n/a**	**0.0002381**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-206**	**0.081**	**n/a**	**11/12/2019**	**14**	**Yes**	**90**	**n/a**	**n/a**	**90**	**n/a**	**n/a**	**0.0002381**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	**MW-200**	**1.336**	**n/a**	**11/12/2019**	**130**	**Yes**	**90**	**0.8908**	**0.1251**	**0**	**None**	**x^(1/3)**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-201**	**1.336**	**n/a**	**11/12/2019**	**82**	**Yes**	**90**	**0.8908**	**0.1251**	**0**	**None**	**x^(1/3)**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-206**	**1.336**	**n/a**	**11/12/2019**	**240**	**Yes**	**90**	**0.8908**	**0.1251**	**0**	**None**	**x^(1/3)**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-200**	**6.588**	**n/a**	**11/12/2019**	**280**	**Yes**	**90**	**5.177**	**0.8388**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-201**	**6.588**	**n/a**	**11/12/2019**	**190**	**Yes**	**90**	**5.177**	**0.8388**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-206**	**6.588**	**n/a**	**11/12/2019**	**490**	**Yes**	**90**	**5.177**	**0.8388**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Fluoride (mg/L)	MW-200	0.12	n/a	11/12/2019	0.072	No	90	n/a	n/a	97.78	n/a	n/a	0.0002381	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-201**	**0.12**	**n/a**	**11/12/2019**	**0.57**	**Yes**	**90**	**n/a**	**n/a**	**97.78**	**n/a**	**n/a**	**0.0002381**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	MW-206	0.12	n/a	11/12/2019	0.045	No	90	n/a	n/a	97.78	n/a	n/a	0.0002381	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-200**	**5**	**n/a**	**11/12/2019**	**100**	**Yes**	**89**	**n/a**	**n/a**	**75.28**	**n/a**	**n/a**	**0.0002443**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-201**	**5**	**n/a**	**11/12/2019**	**93**	**Yes**	**89**	**n/a**	**n/a**	**75.28**	**n/a**	**n/a**	**0.0002443**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-206**	**5**	**n/a**	**11/12/2019**	**260**	**Yes**	**89**	**n/a**	**n/a**	**75.28**	**n/a**	**n/a**	**0.0002443**	**NP Inter (NDs) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-200**	**110**	**n/a**	**11/12/2019**	**1000**	**Yes**	**90**	**n/a**	**n/a**	**30**	**n/a**	**n/a**	**0.0002381**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-201**	**110**	**n/a**	**11/12/2019**	**670**	**Yes**	**90**	**n/a**	**n/a**	**30**	**n/a**	**n/a**	**0.0002381**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-206**	**110**	**n/a**	**11/12/2019**	**1900**	**Yes**	**90**	**n/a**	**n/a**	**30**	**n/a**	**n/a**	**0.0002381**	**NP Inter (normality) 1 of 2**

Intrawell Prediction Limit Summary - 300 Series Wells All Results (No Significant)

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/7/2020, 5:14 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	MW-100	5.296	4.413	11/6/2019	4.82	No	13	4.855	0.1936	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-101	5.543	4.367	11/6/2019	4.94	No	13	4.955	0.258	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-107	5.461	4.357	11/6/2019	4.88	No	13	4.909	0.2421	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-108	5.218	4.328	11/6/2019	4.78	No	12	4.773	0.1917	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-306	5.478	4.584	11/6/2019	5.04	No	13	5.031	0.1961	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-307	6.609	4.991	11/6/2019	5.52	No	13	5.8	0.3549	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-300	5.229	4.305	11/11/2019	4.77	No	14	4.767	0.2067	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-303	7.152	5.968	11/11/2019	6.68	No	14	6.56	0.2649	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-304	6.401	4.549	11/11/2019	5.18	No	14	5.475	0.4141	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-305	5.367	4.441	11/11/2019	4.9	No	14	4.904	0.2071	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-308	6.805	5.551	11/11/2019	6.75	No	14	6.178	0.2805	0	None	No	0.000752	Param Intra 1 of 2

Interwell Prediction Limit Summary - 300 Series Wells Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/7/2020, 5:11 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-303	0.081	n/a	11/11/2019	9.7	Yes	90	n/a	n/a	90	n/a	n/a	0.0002377	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-304	0.081	n/a	11/11/2019	10	Yes	90	n/a	n/a	90	n/a	n/a	0.0002377	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-308	0.081	n/a	11/11/2019	16	Yes	90	n/a	n/a	90	n/a	n/a	0.0002377	NP Inter (NDs) 1 of 2
Calcium (mg/L)	MW-303	1.394	n/a	11/11/2019	73	Yes	90	0.8908	0.1251	0	None	x^(1/3)	0.001504	Param Inter 1 of 2
Calcium (mg/L)	MW-304	1.394	n/a	11/11/2019	82	Yes	90	0.8908	0.1251	0	None	x^(1/3)	0.001504	Param Inter 1 of 2
Calcium (mg/L)	MW-305	1.394	n/a	11/11/2019	1.6	Yes	90	0.8908	0.1251	0	None	x^(1/3)	0.001504	Param Inter 1 of 2
Calcium (mg/L)	MW-308	1.394	n/a	11/11/2019	63	Yes	90	0.8908	0.1251	0	None	x^(1/3)	0.001504	Param Inter 1 of 2
Chloride (mg/L)	MW-300	6.693	n/a	11/11/2019	8.4	Yes	90	5.177	0.8388	0	None	No	0.001504	Param Inter 1 of 2
Chloride (mg/L)	MW-303	6.693	n/a	11/11/2019	63	Yes	90	5.177	0.8388	0	None	No	0.001504	Param Inter 1 of 2
Chloride (mg/L)	MW-304	6.693	n/a	11/11/2019	81	Yes	90	5.177	0.8388	0	None	No	0.001504	Param Inter 1 of 2
Chloride (mg/L)	MW-305	6.693	n/a	11/11/2019	12	Yes	90	5.177	0.8388	0	None	No	0.001504	Param Inter 1 of 2
Chloride (mg/L)	MW-308	6.693	n/a	11/11/2019	62	Yes	90	5.177	0.8388	0	None	No	0.001504	Param Inter 1 of 2
Fluoride (mg/L)	MW-303	0.12	n/a	11/11/2019	0.26	Yes	90	n/a	n/a	97.78	n/a	n/a	0.0002377	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-308	0.12	n/a	11/11/2019	0.16	Yes	90	n/a	n/a	97.78	n/a	n/a	0.0002377	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-303	5	n/a	11/11/2019	230	Yes	89	n/a	n/a	75.28	n/a	n/a	0.0002438	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-304	5	n/a	11/11/2019	340	Yes	89	n/a	n/a	75.28	n/a	n/a	0.0002438	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-305	5	n/a	11/11/2019	5.5	Yes	89	n/a	n/a	75.28	n/a	n/a	0.0002438	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-308	5	n/a	11/11/2019	170	Yes	89	n/a	n/a	75.28	n/a	n/a	0.0002438	NP Inter (NDs) 1 of 2
Total Dissolved Solids (mg/L)	MW-303	110	n/a	11/11/2019	390	Yes	90	n/a	n/a	30	n/a	n/a	0.0002377	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-304	110	n/a	11/11/2019	370	Yes	90	n/a	n/a	30	n/a	n/a	0.0002377	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-308	110	n/a	11/11/2019	410	Yes	90	n/a	n/a	30	n/a	n/a	0.0002377	NP Inter (normality) 1 of 2

Interwell Prediction Limit Summary - 300 Series Wells All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/7/2020, 5:11 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-300	0.081	n/a	11/11/2019	0.035	No	90	n/a	n/a	90	n/a	n/a	0.0002377	NP Inter (NDs) 1 of 2
Boron (mg/L)	**MW-303**	**0.081**	**n/a**	**11/11/2019**	**9.7**	**Yes**	**90**	**n/a**	**n/a**	**90**	**n/a**	**n/a**	**0.0002377**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-304**	**0.081**	**n/a**	**11/11/2019**	**10**	**Yes**	**90**	**n/a**	**n/a**	**90**	**n/a**	**n/a**	**0.0002377**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	MW-305	0.081	n/a	11/11/2019	0.036	No	90	n/a	n/a	90	n/a	n/a	0.0002377	NP Inter (NDs) 1 of 2
Boron (mg/L)	**MW-308**	**0.081**	**n/a**	**11/11/2019**	**16**	**Yes**	**90**	**n/a**	**n/a**	**90**	**n/a**	**n/a**	**0.0002377**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	MW-300	1.394	n/a	11/11/2019	0.56	No	90	0.8908	0.1251	0	None	x^(1/3)	0.001504	Param Inter 1 of 2
Calcium (mg/L)	**MW-303**	**1.394**	**n/a**	**11/11/2019**	**73**	**Yes**	**90**	**0.8908**	**0.1251**	**0**	**None**	**x^(1/3)**	**0.001504**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-304**	**1.394**	**n/a**	**11/11/2019**	**82**	**Yes**	**90**	**0.8908**	**0.1251**	**0**	**None**	**x^(1/3)**	**0.001504**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-305**	**1.394**	**n/a**	**11/11/2019**	**1.6**	**Yes**	**90**	**0.8908**	**0.1251**	**0**	**None**	**x^(1/3)**	**0.001504**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-308**	**1.394**	**n/a**	**11/11/2019**	**63**	**Yes**	**90**	**0.8908**	**0.1251**	**0**	**None**	**x^(1/3)**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-300**	**6.693**	**n/a**	**11/11/2019**	**8.4**	**Yes**	**90**	**5.177**	**0.8388**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-303**	**6.693**	**n/a**	**11/11/2019**	**63**	**Yes**	**90**	**5.177**	**0.8388**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-304**	**6.693**	**n/a**	**11/11/2019**	**81**	**Yes**	**90**	**5.177**	**0.8388**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-305**	**6.693**	**n/a**	**11/11/2019**	**12**	**Yes**	**90**	**5.177**	**0.8388**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-308**	**6.693**	**n/a**	**11/11/2019**	**62**	**Yes**	**90**	**5.177**	**0.8388**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Fluoride (mg/L)	MW-300	0.12	n/a	11/11/2019	0.1ND	No	90	n/a	n/a	97.78	n/a	n/a	0.0002377	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-303**	**0.12**	**n/a**	**11/11/2019**	**0.26**	**Yes**	**90**	**n/a**	**n/a**	**97.78**	**n/a**	**n/a**	**0.0002377**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	MW-304	0.12	n/a	11/11/2019	0.1ND	No	90	n/a	n/a	97.78	n/a	n/a	0.0002377	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-305	0.12	n/a	11/11/2019	0.1ND	No	90	n/a	n/a	97.78	n/a	n/a	0.0002377	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-308**	**0.12**	**n/a**	**11/11/2019**	**0.16**	**Yes**	**90**	**n/a**	**n/a**	**97.78**	**n/a**	**n/a**	**0.0002377**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	MW-300	5	n/a	11/11/2019	5ND	No	89	n/a	n/a	75.28	n/a	n/a	0.0002438	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-303**	**5**	**n/a**	**11/11/2019**	**230**	**Yes**	**89**	**n/a**	**n/a**	**75.28**	**n/a**	**n/a**	**0.0002438**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-304**	**5**	**n/a**	**11/11/2019**	**340**	**Yes**	**89**	**n/a**	**n/a**	**75.28**	**n/a**	**n/a**	**0.0002438**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-305**	**5**	**n/a**	**11/11/2019**	**5.5**	**Yes**	**89**	**n/a**	**n/a**	**75.28**	**n/a**	**n/a**	**0.0002438**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-308**	**5**	**n/a**	**11/11/2019**	**170**	**Yes**	**89**	**n/a**	**n/a**	**75.28**	**n/a**	**n/a**	**0.0002438**	**NP Inter (NDs) 1 of 2**
Total Dissolved Solids (mg/L)	MW-300	110	n/a	11/11/2019	66	No	90	n/a	n/a	30	n/a	n/a	0.0002377	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-303**	**110**	**n/a**	**11/11/2019**	**390**	**Yes**	**90**	**n/a**	**n/a**	**30**	**n/a**	**n/a**	**0.0002377**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-304**	**110**	**n/a**	**11/11/2019**	**370**	**Yes**	**90**	**n/a**	**n/a**	**30**	**n/a**	**n/a**	**0.0002377**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	MW-305	110	n/a	11/11/2019	38	No	90	n/a	n/a	30	n/a	n/a	0.0002377	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-308**	**110**	**n/a**	**11/11/2019**	**410**	**Yes**	**90**	**n/a**	**n/a**	**30**	**n/a**	**n/a**	**0.0002377**	**NP Inter (normality) 1 of 2**

Confidence Interval Summary Table - 100 Series Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/7/2020, 5:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	**MW-104**	**0.02205**	**0.01409**	**0.006**	**Yes**	**14**	**0.01807**	**0.005622**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-104**	**18.92**	**12.57**	**5**	**Yes**	**14**	**15.75**	**4.489**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-110**	**7.556**	**5.706**	**5**	**Yes**	**14**	**6.631**	**1.306**	**0**	**None**	**No**	**0.01**	**Param.**
Mercury (mg/L)	**MW-110**	**0.006106**	**0.003329**	**0.002**	**Yes**	**14**	**0.004717**	**0.00196**	**0**	**None**	**No**	**0.01**	**Param.**

Confidence Interval Summary Table - 100 Series All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/7/2020, 5:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-102	0.0025	0.0025	0.006	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Antimony (mg/L)	MW-103	0.0025	0.0025	0.006	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Antimony (mg/L)	MW-104	0.0025	0.0025	0.006	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Antimony (mg/L)	MW-105	0.0025	0.0025	0.006	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Antimony (mg/L)	MW-106	0.0025	0.0025	0.006	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Antimony (mg/L)	MW-109	0.0025	0.0025	0.006	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Antimony (mg/L)	MW-110	0.0025	0.0025	0.006	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Arsenic (mg/L)	MW-102	0.0005	0.00025	0.01	No	14	0.0002679	0.00006682	92.86	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-103	0.00051	0.00019	0.01	No	14	0.0002643	0.00007251	85.71	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-104	0.008137	0.003097	0.01	No	14	0.005617	0.003557	7.143	None	No	0.01	Param.
Arsenic (mg/L)	MW-105	0.004225	0.003575	0.01	No	14	0.0039	0.0004591	0	None	No	0.01	Param.
Arsenic (mg/L)	MW-106	0.00025	0.00025	0.01	No	14	0.00025	0	100	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-109	0.00025	0.00025	0.01	No	14	0.00025	3.2e-12	92.86	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-110	0.00051	0.0002	0.01	No	14	0.0003464	0.0001458	57.14	None	No	0.01	NP (normality)
Barium (mg/L)	MW-102	0.01094	0.008893	2	No	14	0.009914	0.001442	0	None	No	0.01	Param.
Barium (mg/L)	MW-103	0.06295	0.0459	2	No	14	0.05314	0.01505	0	None	x^2	0.01	Param.
Barium (mg/L)	MW-104	0.02616	0.01969	2	No	14	0.02293	0.004565	0	None	No	0.01	Param.
Barium (mg/L)	MW-105	0.04929	0.03757	2	No	14	0.04343	0.008271	0	None	No	0.01	Param.
Barium (mg/L)	MW-106	0.015	0.0095	2	No	14	0.01094	0.002142	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-109	0.02053	0.01776	2	No	14	0.01914	0.001956	0	None	No	0.01	Param.
Barium (mg/L)	MW-110	0.04837	0.03691	2	No	14	0.04264	0.008092	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-102	0.0005	0.0005	0.004	No	14	0.0005	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-103	0.0005	0.0005	0.004	No	14	0.0005	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-104	0.001249	0.0008169	0.004	No	14	0.001033	0.0003049	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-105	0.0005	0.0005	0.004	No	14	0.0005	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-106	0.0005	0.0005	0.004	No	14	0.0005	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-109	0.0005	0.0005	0.004	No	14	0.0005	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-110	0.0005	0.000084	0.004	No	14	0.0004703	0.0001112	92.86	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-102	0.0005	0.0005	0.005	No	14	0.0005	0	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-103	0.0005	0.0005	0.005	No	14	0.0005	0	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-104	0.00052	0.00044	0.005	No	14	0.0005121	0.00008276	50	None	No	0.01	NP (normality)
Cadmium (mg/L)	MW-105	0.0005	0.0005	0.005	No	14	0.0005	0	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-106	0.0005	0.0005	0.005	No	14	0.0005	0	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-109	0.0005	0.000078	0.005	No	14	0.0004699	0.0001128	92.86	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-110	0.0005	0.00032	0.005	No	14	0.0004871	0.00004811	92.86	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-102	0.0028	0.00037	0.1	No	14	0.000655	0.0006183	85.71	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-103	0.0011	0.00028	0.1	No	14	0.0008629	0.00126	78.57	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-104	0.0023	0.0005	0.1	No	14	0.00165	0.0007198	21.43	None	No	0.01	NP (normality)
Chromium (mg/L)	MW-105	0.002573	0.001919	0.1	No	14	0.0022	0.0005805	7.143	None	x^2	0.01	Param.
Chromium (mg/L)	MW-106	0.0005	0.0005	0.1	No	14	0.0005	0	100	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-109	0.0005	0.0005	0.1	No	14	0.0005	0	100	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-110	0.0005	0.00042	0.1	No	14	0.0004943	0.00002138	92.86	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-102	0.0025	0.00016	0.006	No	14	0.002333	0.0006254	92.86	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-103	0.0025	0.00044	0.006	No	14	0.001796	0.0009961	64.29	None	No	0.01	NP (normality)
Cobalt (mg/L)	**MW-104**	**0.02205**	**0.01409**	**0.006**	**Yes**	**14**	**0.01807**	**0.005622**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	MW-105	0.0025	0.00087	0.006	No	14	0.002384	0.0004356	92.86	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-106	0.0025	0.00044	0.006	No	14	0.0009829	0.0008365	21.43	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-109	0.00582	0.003345	0.006	No	14	0.004582	0.001747	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-110	0.019	0.0043	0.006	No	14	0.009379	0.006957	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	MW-102	1.932	1.24	5	No	14	1.609	0.5386	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-103	7.205	4.797	5	No	14	6.001	1.7	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**MW-104**	**18.92**	**12.57**	**5**	**Yes**	**14**	**15.75**	**4.489**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	MW-105	4.671	2.82	5	No	14	3.746	1.307	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-106	1.284	0.6942	5	No	14	1.017	0.486	7.143	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-109	2.345	1.459	5	No	14	1.902	0.6256	0	None	No	0.01	Param.

Confidence Interval Summary Table - 100 Series All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/7/2020, 5:24 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-110**	**7.556**	**5.706**	**5**	**Yes**	**14**	**6.631**	**1.306**	**0**	**None**	**No**	**0.01**	**Param.**
Fluoride (mg/L)	MW-102	0.1	0.1	4	No	15	0.1	0	100	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-103	0.1	0.037	4	No	15	0.0958	0.01627	93.33	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-104	0.3648	0.2377	4	No	16	0.3013	0.09763	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-105	0.1	0.041	4	No	15	0.08807	0.02471	80	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-106	0.1	0.1	4	No	15	0.1	0	100	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-109	0.1	0.1	4	No	15	0.1	0	100	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-110	0.1	0.04	4	No	15	0.07993	0.02938	66.67	None	No	0.01	NP (normality)
Lead (mg/L)	MW-102	0.00025	0.00014	0.015	No	14	0.0002421	0.0000294	92.86	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-103	0.00025	0.00011	0.015	No	14	0.00024	0.00003742	92.86	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-104	0.002436	0.001778	0.015	No	14	0.002107	0.0004649	0	None	No	0.01	Param.
Lead (mg/L)	MW-105	0.00091	0.00012	0.015	No	14	0.0002879	0.0001824	85.71	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-106	0.00039	0.00025	0.015	No	14	0.00026	0.00003742	92.86	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-109	0.00067	0.000094	0.015	No	14	0.0002689	0.0001227	85.71	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-110	0.0003	0.00025	0.015	No	14	0.0002621	0.00003378	85.71	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-102	0.0012	0.0009	0.04	No	14	0.001036	0.0001216	78.57	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-103	0.002	0.00097	0.04	No	14	0.001469	0.0008208	50	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-104	0.03833	0.02167	0.04	No	14	0.03	0.01175	0	None	No	0.01	Param.
Lithium (mg/L)	MW-105	0.001	0.001	0.04	No	14	0.001	0	100	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-106	0.0035	0.00068	0.04	No	14	0.001634	0.001765	64.29	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-109	0.006571	0.004929	0.04	No	14	0.005786	0.001272	0	None	x^(1/3)	0.01	Param.
Lithium (mg/L)	MW-110	0.01074	0.007202	0.04	No	14	0.008971	0.002498	0	None	No	0.01	Param.
Mercury (mg/L)	MW-102	0.0002	0.000094	0.002	No	14	0.0001849	0.00003849	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-103	0.0002	0.00012	0.002	No	14	0.0001943	0.00002138	92.86	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-104	0.001496	0.0007186	0.002	No	14	0.001107	0.0005485	0	None	No	0.01	Param.
Mercury (mg/L)	MW-105	0.0002	0.0002	0.002	No	14	0.0002	0	100	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-106	0.0002	0.00008	0.002	No	14	0.0001914	0.00003207	92.86	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-109	0.0012	0.000097	0.002	No	14	0.0002641	0.0002708	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	**MW-110**	**0.006106**	**0.003329**	**0.002**	**Yes**	**14**	**0.004717**	**0.00196**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	MW-102	0.003	0.003	0.1	No	14	0.003	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-103	0.003	0.003	0.1	No	14	0.003	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-104	0.003	0.003	0.1	No	14	0.003	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-105	0.005323	0.003366	0.1	No	14	0.004414	0.001614	0	None	x^(1/3)	0.01	Param.
Molybdenum (mg/L)	MW-106	0.003	0.003	0.1	No	14	0.003	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-109	0.003	0.003	0.1	No	14	0.003	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-110	0.003	0.003	0.1	No	14	0.003	0	100	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-102	0.00028	0.00025	0.05	No	14	0.0003086	0.0001994	78.57	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-103	0.003073	0.001834	0.05	No	14	0.002454	0.0008741	7.143	None	No	0.01	Param.
Selenium (mg/L)	MW-104	0.01327	0.004873	0.05	No	14	0.009071	0.005927	0	None	No	0.01	Param.
Selenium (mg/L)	MW-105	0.00041	0.00025	0.05	No	14	0.0003129	0.0001055	57.14	None	No	0.01	NP (normality)
Selenium (mg/L)	MW-106	0.00025	0.00025	0.05	No	14	0.00025	0	100	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-109	0.00025	0.00024	0.05	No	14	0.0002493	0.000002673	92.86	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-110	0.003591	0.003153	0.05	No	14	0.003364	0.0003249	0	None	x^2	0.01	Param.
Thallium (mg/L)	MW-102	0.00021	0.0001	0.002	No	14	0.0001079	0.0000294	92.86	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-103	0.0001	0.000026	0.002	No	14	0.00009471	0.00001978	92.86	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-104	0.0003393	0.0002207	0.002	No	14	0.00028	0.00008367	0	None	No	0.01	Param.
Thallium (mg/L)	MW-105	0.00024	0.0001	0.002	No	14	0.00011	0.00003742	92.86	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-106	0.0001	0.0001	0.002	No	14	0.0001	0	100	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-109	0.0001	0.0001	0.002	No	14	0.0001	0	100	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-110	0.0002848	0.0002252	0.002	No	14	0.000255	0.00004202	0	None	No	0.01	Param.

Confidence Interval Summary Table - 200 Series Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/8/2020, 10:02 AM

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-200**	**17.98**	**9.297**	**5**	**Yes**	**14**	**13.94**	**6.385**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-201**	**22.8**	**6.52**	**5**	**Yes**	**14**	**14.19**	**8.305**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Combined Radium 226 + 228 (pCi/L)	**MW-206**	**31.73**	**14.99**	**5**	**Yes**	**14**	**23.36**	**11.81**	**0**	**None**	**No**	**0.01**	**Param.**

Confidence Interval Summary Table - 200 Series All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/8/2020, 10:02 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-200	0.0025	0.0025	0.006	No	12	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-201	0.0025	0.001	0.006	No	12	0.00225	0.0005839	83.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-206	0.0025	0.0011	0.006	No	12	0.002383	0.0004041	91.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-200	0.003232	0.0009075	0.01	No	14	0.002221	0.001833	7.143	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	MW-201	0.0068	0.00063	0.01	No	14	0.003154	0.003317	28.57	None	No	0.01	NP (normality)
Arsenic (mg/L)	MW-206	0.01235	0.003137	0.01	No	14	0.007742	0.006502	0	None	No	0.01	Param.
Barium (mg/L)	MW-200	0.06889	0.03955	2	No	14	0.05422	0.02071	0	None	No	0.01	Param.
Barium (mg/L)	MW-201	0.0714	0.03445	2	No	14	0.05293	0.02608	0	None	No	0.01	Param.
Barium (mg/L)	MW-206	0.1162	0.06271	2	No	14	0.08944	0.03774	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-200	0.0025	0.0025	0.004	No	14	0.0025	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-201	0.0025	0.0025	0.004	No	14	0.0025	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-206	0.0025	0.00055	0.004	No	14	0.002068	0.0008591	78.57	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-200	0.0025	0.00061	0.005	No	13	0.002192	0.0007524	84.62	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-201	0.014	0.0021	0.005	No	14	0.007179	0.005691	7.143	None	No	0.01	NP (normality)
Cadmium (mg/L)	MW-206	0.002696	0.001222	0.005	No	14	0.001959	0.001041	0	None	No	0.01	Param.
Chromium (mg/L)	MW-200	0.0025	0.0025	0.1	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Chromium (mg/L)	MW-201	0.0025	0.0025	0.1	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Chromium (mg/L)	MW-206	0.0025	0.0025	0.1	No	11	0.002509	0.00003015	90.91	None	No	0.006	NP (NDs)
Cobalt (mg/L)	MW-200	0.00252	0.001332	0.006	No	14	0.001551	0.0006099	21.43	Cohen`s	No	0.01	Param.
Cobalt (mg/L)	MW-201	0.00322	0.001578	0.006	No	14	0.002461	0.001314	7.143	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	MW-206	0.005103	0.002449	0.006	No	14	0.003776	0.001873	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**MW-200**	**17.98**	**9.297**	**5**	**Yes**	**14**	**13.94**	**6.385**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-201**	**22.8**	**6.52**	**5**	**Yes**	**14**	**14.19**	**8.305**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Combined Radium 226 + 228 (pCi/L)	**MW-206**	**31.73**	**14.99**	**5**	**Yes**	**14**	**23.36**	**11.81**	**0**	**None**	**No**	**0.01**	**Param.**
Fluoride (mg/L)	MW-200	0.1	0.05	4	No	15	0.08533	0.06353	13.33	None	No	0.01	NP (normality)
Fluoride (mg/L)	MW-201	0.7911	0.5001	4	No	16	0.6456	0.2236	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-206	0.08743	0.05245	4	No	16	0.06994	0.02688	0	None	No	0.01	Param.
Lead (mg/L)	MW-200	0.001498	0.0008392	0.015	No	14	0.001169	0.000465	14.29	None	No	0.01	Param.
Lead (mg/L)	MW-201	0.0013	0.00065	0.015	No	14	0.001138	0.0003276	78.57	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-206	0.01	0.0019	0.015	No	14	0.006343	0.003783	0	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-200	0.01	0.0025	0.04	No	14	0.004721	0.001988	71.43	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-201	0.0078	0.0043	0.04	No	14	0.007479	0.008074	14.29	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-206	0.005	0.0014	0.04	No	14	0.004471	0.001344	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-200	0.002449	0.001261	0.002	No	14	0.001855	0.000839	0	None	No	0.01	Param.
Mercury (mg/L)	MW-201	0.0026	0.00032	0.002	No	14	0.001511	0.001041	0	None	No	0.01	NP (normality)
Mercury (mg/L)	MW-206	0.0005361	0.0001662	0.002	No	14	0.0003736	0.0002926	14.29	None	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	MW-200	0.015	0.0078	0.1	No	12	0.0144	0.002078	91.67	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-201	0.015	0.0015	0.1	No	12	0.01387	0.003897	91.67	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-206	0.015	0.00092	0.1	No	12	0.01383	0.004065	91.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-200	0.016	0.0042	0.05	No	14	0.01023	0.005539	0	None	No	0.01	NP (normality)
Selenium (mg/L)	MW-201	0.01337	0.005047	0.05	No	14	0.009207	0.005873	0	None	No	0.01	Param.
Selenium (mg/L)	MW-206	0.01955	0.01402	0.05	No	14	0.01679	0.003906	0	None	No	0.01	Param.
Thallium (mg/L)	MW-200	0.0003476	0.0000521	0.002	No	14	0.0002243	0.0001748	28.57	Cohen`s	No	0.01	Param.
Thallium (mg/L)	MW-201	0.0004515	0.0002128	0.002	No	14	0.0003321	0.0001685	0	None	No	0.01	Param.
Thallium (mg/L)	MW-206	0.000845	0.0004164	0.002	No	14	0.0006307	0.0003026	0	None	No	0.01	Param.

Confidence Interval Summary Table - 300 Series Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/9/2020, 7:43 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Molybdenum (mg/L)	**MW-303**	**1.756**	**0.9349**	**0.1**	**Yes**	**14**	**1.346**	**0.5799**	**0**	**None**	**No**	**0.01**	**Param.**

Confidence Interval Summary Table - 300 Series All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/9/2020, 7:43 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-300	0.0025	0.0025	0.006	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Antimony (mg/L)	MW-303	0.0025	0.0025	0.006	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Antimony (mg/L)	MW-304	0.0025	0.0025	0.006	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Antimony (mg/L)	MW-305	0.0025	0.0025	0.006	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Antimony (mg/L)	MW-308	0.0025	0.0025	0.006	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Arsenic (mg/L)	MW-300	0.0013	0.0013	0.01	No	12	0.0013	0	100	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-303	0.001676	0.0008936	0.01	No	12	0.001285	0.0004989	41.67	None	No	0.01	Param.
Arsenic (mg/L)	MW-304	0.0051	0.0005	0.01	No	9	0.002047	0.001932	11.11	None	No	0.002	NP (normality)
Arsenic (mg/L)	MW-305	0.0013	0.0013	0.01	No	12	0.0013	0	100	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-308	0.0013	0.0013	0.01	No	12	0.0013	0	100	None	No	0.01	NP (NDs)
Barium (mg/L)	MW-300	0.01195	0.01076	2	No	14	0.01136	0.0008419	0	None	No	0.01	Param.
Barium (mg/L)	MW-303	0.03983	0.02724	2	No	14	0.03379	0.009333	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	MW-304	0.04311	0.02789	2	No	14	0.0355	0.01074	0	None	No	0.01	Param.
Barium (mg/L)	MW-305	0.026	0.016	2	No	14	0.01921	0.005536	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-308	0.02805	0.0218	2	No	14	0.02493	0.004411	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-300	0.0025	0.0025	0.004	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Beryllium (mg/L)	MW-303	0.0025	0.0025	0.004	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Beryllium (mg/L)	MW-304	0.0025	0.0025	0.004	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Beryllium (mg/L)	MW-305	0.0025	0.0025	0.004	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Beryllium (mg/L)	MW-308	0.0025	0.0025	0.004	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Cadmium (mg/L)	MW-300	0.0005	0.0005	0.005	No	14	0.0005	0	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-303	0.0005752	0.0004148	0.005	No	14	0.000495	0.0001133	21.43	None	No	0.01	Param.
Cadmium (mg/L)	MW-304	0.001	0.0005	0.005	No	14	0.0005357	0.0001336	92.86	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-305	0.0005	0.0005	0.005	No	14	0.0005	0	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-308	0.0005	0.0005	0.005	No	14	0.0005	0	100	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-300	0.0025	0.0025	0.1	No	11	0.002609	0.0003618	90.91	None	No	0.006	NP (NDs)
Chromium (mg/L)	MW-303	0.0025	0.0025	0.1	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Chromium (mg/L)	MW-304	0.0025	0.0025	0.1	No	11	0.002382	0.000392	90.91	None	No	0.006	NP (NDs)
Chromium (mg/L)	MW-305	0.0025	0.0025	0.1	No	11	0.0025	1.7e-11	90.91	None	No	0.006	NP (NDs)
Chromium (mg/L)	MW-308	0.0025	0.0025	0.1	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Cobalt (mg/L)	MW-300	0.00093	0.00023	0.006	No	14	0.0005114	0.0001403	85.71	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-303	0.0006533	0.0004262	0.006	No	14	0.0005807	0.0001144	35.71	Cohen`s	No	0.01	Param.
Cobalt (mg/L)	MW-304	0.04157	0.004278	0.006	No	8	0.02186	0.02333	0	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	MW-305	0.00063	0.00044	0.006	No	14	0.0005457	0.0001718	28.57	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-308	0.00056	0.0005	0.006	No	14	0.0005136	0.00003713	85.71	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	MW-300	5.659	4.727	5	No	14	5.193	0.6579	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-303	6.31	4.37	5	No	14	5.939	2.142	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	MW-304	7.398	3.819	5	No	14	5.609	2.527	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-305	1.643	1.24	5	No	14	1.448	0.2986	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-308	3.127	2.325	5	No	14	2.726	0.5663	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-300	0.1	0.041	4	No	15	0.09607	0.01523	93.33	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-303	0.2567	0.162	4	No	16	0.2094	0.0728	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-304	0.1235	0.07385	4	No	15	0.09867	0.03662	46.67	None	No	0.01	Param.
Fluoride (mg/L)	MW-305	0.1	0.035	4	No	15	0.09567	0.01678	93.33	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-308	0.1353	0.07596	4	No	16	0.1056	0.0456	0	None	No	0.01	Param.
Lead (mg/L)	MW-300	0.0013	0.0013	0.015	No	11	0.0013	0	100	None	No	0.006	NP (NDs)
Lead (mg/L)	MW-303	0.0013	0.0013	0.015	No	11	0.0013	0	100	None	No	0.006	NP (NDs)
Lead (mg/L)	MW-304	0.0013	0.00047	0.015	No	11	0.001045	0.0003898	54.55	None	No	0.006	NP (normality)
Lead (mg/L)	MW-305	0.0013	0.0013	0.015	No	11	0.0013	0	100	None	No	0.006	NP (NDs)
Lead (mg/L)	MW-308	0.0013	0.0013	0.015	No	11	0.0013	0	100	None	No	0.006	NP (NDs)
Lithium (mg/L)	MW-300	0.005	0.0014	0.04	No	14	0.00443	0.001457	85.71	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-303	0.02858	0.02271	0.04	No	14	0.02571	0.004322	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	MW-304	0.005	0.0034	0.04	No	14	0.004379	0.001217	71.43	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-305	0.005	0.0014	0.04	No	14	0.004424	0.001473	85.71	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-308	0.005	0.0013	0.04	No	14	0.003971	0.001703	71.43	None	No	0.01	NP (normality)

Confidence Interval Summary Table - 300 Series All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/9/2020, 7:43 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	MW-300	0.0002	0.0002	0.002	No	14	0.0002	0	100	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-303	0.0002	0.0002	0.002	No	14	0.0002	0	100	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-304	0.00065	0.0002	0.002	No	14	0.0004669	0.00033	21.43	None	No	0.01	NP (Cohens/xfrm)
Mercury (mg/L)	MW-305	0.0002	0.0002	0.002	No	14	0.0002	0	100	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-308	0.0002	0.0002	0.002	No	14	0.0002	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-300	0.003	0.003	0.1	No	14	0.003	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	**MW-303**	**1.756**	**0.9349**	**0.1**	**Yes**	**14**	**1.346**	**0.5799**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	MW-304	0.0043	0.0029	0.1	No	14	0.003443	0.001226	50	None	No	0.01	NP (normality)
Molybdenum (mg/L)	MW-305	0.003	0.0016	0.1	No	14	0.0029	0.0003742	92.86	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-308	0.003	0.00098	0.1	No	14	0.002856	0.0005399	92.86	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-300	0.00025	0.00025	0.05	No	14	0.00025	0	100	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-303	0.006473	0.00377	0.05	No	14	0.005121	0.001908	0	None	No	0.01	Param.
Selenium (mg/L)	MW-304	0.006781	0.003757	0.05	No	13	0.005269	0.002034	0	None	No	0.01	Param.
Selenium (mg/L)	MW-305	0.00027	0.00025	0.05	No	14	0.0002514	0.000005345	92.86	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-308	0.006079	0.003763	0.05	No	14	0.004921	0.001635	0	None	No	0.01	Param.
Thallium (mg/L)	MW-300	0.0001	0.0001	0.002	No	14	0.0001	0	100	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-303	0.0002206	0.0001652	0.002	No	14	0.0001929	0.00003911	7.143	None	No	0.01	Param.
Thallium (mg/L)	MW-304	0.0001968	0.0001168	0.002	No	14	0.0001568	0.00005649	14.29	None	No	0.01	Param.
Thallium (mg/L)	MW-305	0.0001	0.0001	0.002	No	14	0.0001	0	100	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-308	0.0003092	0.000218	0.002	No	14	0.0002636	0.0000644	7.143	None	No	0.01	Param.

Tolerance Limit Summary Table - Appendix IV

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/7/2020, 5:17 PM

Constituent	Well	Upper Lim.	Lower Lim.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.0025	n/a	72	n/a	n/a	100	n/a	n/a	0.02489	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.0013	n/a	84	n/a	n/a	83.33	n/a	n/a	0.01345	NP Inter(NDs)
Barium (mg/L)	n/a	0.01931	n/a	84	0.1133	0.01314	0	None	sqrt(x)	0.05	Inter
Beryllium (mg/L)	n/a	0.0005	n/a	84	n/a	n/a	96.43	n/a	n/a	0.01345	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0005	n/a	84	n/a	n/a	100	n/a	n/a	0.01345	NP Inter(NDs)
Chromium (mg/L)	n/a	0.0059	n/a	83	n/a	n/a	90.36	n/a	n/a	0.01416	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.0032	n/a	84	n/a	n/a	34.52	n/a	n/a	0.01345	NP Inter(normality)
Combined Radium 226 + 228 (pCi/L)	n/a	2.5	n/a	84	n/a	n/a	3.571	n/a	n/a	0.01345	NP Inter(normality)
Fluoride (mg/L)	n/a	0.12	n/a	90	n/a	n/a	97.78	n/a	n/a	0.009888	NP Inter(NDs)
Lead (mg/L)	n/a	0.001	n/a	84	n/a	n/a	94.05	n/a	n/a	0.01345	NP Inter(NDs)
Lithium (mg/L)	n/a	0.0037	n/a	83	n/a	n/a	73.49	n/a	n/a	0.01416	NP Inter(normality)
Mercury (mg/L)	n/a	0.0002	n/a	84	n/a	n/a	96.43	n/a	n/a	0.01345	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.0042	n/a	84	n/a	n/a	96.43	n/a	n/a	0.01345	NP Inter(NDs)
Selenium (mg/L)	n/a	0.0025	n/a	84	n/a	n/a	78.57	n/a	n/a	0.01345	NP Inter(NDs)
Thallium (mg/L)	n/a	0.0001	n/a	84	n/a	n/a	100	n/a	n/a	0.01345	NP Inter(NDs)

PLANT CRIST GWPS				
Constituent Name	**MCL**	**Rule-Specified**	**Background**	**GWPS**
Antimony, Total (mg/L)	0.006		0.0025	0.006
Arsenic, Total (mg/L)	0.01		0.0013	0.01
Barium, Total (mg/L)	2		0.019	2
Beryllium, Total (mg/L)	0.004		0.0005	0.004
Cadmium, Total (mg/L)	0.005		0.0005	0.005
Chromium, Total (mg/L)	0.1		0.0059	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.0032	0.006
Combined Radium, Total (pCi/L)	5		2.5	5
Fluoride, Total (mg/L)	4		0.12	4
Lead, Total (mg/L)	0.015		0.001	0.015
Lithium, Total (mg/L)	n/a	0.04	0.0037	0.04
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.0042	0.1
Selenium, Total (mg/L)	0.05		0.0025	0.05
Thallium, Total (mg/L)	0.002		0.0001	0.002

MCL = Maximum Contaminant Level

GWPS = Groundwater Protection Standard

Prediction Limits - 100, 200 & 300 Series

100 Series

Interwell Prediction Limit Summary - 100 Series Wells Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/7/2020, 4:51 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-103	0.081	n/a	11/7/2019	0.19	Yes	90	n/a	n/a	90	n/a	n/a	0.0002371	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-104	0.081	n/a	11/7/2019	11	Yes	90	n/a	n/a	90	n/a	n/a	0.0002371	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-105	0.081	n/a	11/9/2019	1.8	Yes	90	n/a	n/a	90	n/a	n/a	0.0002371	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-106	0.081	n/a	11/9/2019	0.097	Yes	90	n/a	n/a	90	n/a	n/a	0.0002371	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-109	0.081	n/a	11/7/2019	0.42	Yes	90	n/a	n/a	90	n/a	n/a	0.0002371	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-110	0.081	n/a	11/7/2019	4.2	Yes	90	n/a	n/a	90	n/a	n/a	0.0002371	NP Inter (NDs) 1 of 2
Calcium (mg/L)	MW-103	1.43	n/a	11/7/2019	3.4	Yes	90	0.8908	0.1251	0	None	x^(1/3)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	MW-104	1.43	n/a	11/7/2019	62	Yes	90	0.8908	0.1251	0	None	x^(1/3)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	MW-105	1.43	n/a	11/9/2019	84	Yes	90	0.8908	0.1251	0	None	x^(1/3)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	MW-109	1.43	n/a	11/7/2019	4.3	Yes	90	0.8908	0.1251	0	None	x^(1/3)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	MW-110	1.43	n/a	11/7/2019	32	Yes	90	0.8908	0.1251	0	None	x^(1/3)	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-103	6.758	n/a	11/7/2019	15	Yes	90	5.177	0.8388	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-104	6.758	n/a	11/7/2019	120	Yes	90	5.177	0.8388	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-105	6.758	n/a	11/9/2019	200	Yes	90	5.177	0.8388	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-109	6.758	n/a	11/7/2019	18	Yes	90	5.177	0.8388	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-110	6.758	n/a	11/7/2019	120	Yes	90	5.177	0.8388	0	None	No	0.001075	Param Inter 1 of 2
Field pH (SU)	MW-104	7.11	4.5	11/7/2019	4.03	Yes	90	n/a	n/a	0	n/a	n/a	0.0004742	NP Inter (normality) 1 of 2
Fluoride (mg/L)	MW-104	0.12	n/a	11/7/2019	0.21	Yes	90	n/a	n/a	97.78	n/a	n/a	0.0002371	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-103	5	n/a	11/7/2019	27	Yes	89	n/a	n/a	75.28	n/a	n/a	0.0002432	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-104	5	n/a	11/7/2019	610	Yes	89	n/a	n/a	75.28	n/a	n/a	0.0002432	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-105	5	n/a	11/9/2019	120	Yes	89	n/a	n/a	75.28	n/a	n/a	0.0002432	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-109	5	n/a	11/7/2019	16	Yes	89	n/a	n/a	75.28	n/a	n/a	0.0002432	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-110	5	n/a	11/7/2019	290	Yes	89	n/a	n/a	75.28	n/a	n/a	0.0002432	NP Inter (NDs) 1 of 2
Total Dissolved Solids (mg/L)	MW-104	110	n/a	11/7/2019	980	Yes	90	n/a	n/a	30	n/a	n/a	0.0002371	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-105	110	n/a	11/9/2019	720	Yes	90	n/a	n/a	30	n/a	n/a	0.0002371	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-110	110	n/a	11/7/2019	540	Yes	90	n/a	n/a	30	n/a	n/a	0.0002371	NP Inter (normality) 1 of 2

Interwell Prediction Limit Summary - 100 Series Wells All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/7/2020, 4:51 PM

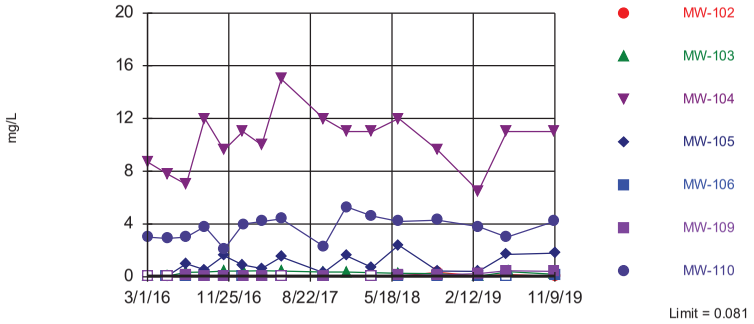
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-102	0.081	n/a	11/9/2019	0.023	No	90	n/a	n/a	90	n/a	n/a	0.0002371	NP Inter (NDs) 1 of 2
Boron (mg/L)	**MW-103**	**0.081**	**n/a**	**11/7/2019**	**0.19**	**Yes**	**90**	**n/a**	**n/a**	**90**	**n/a**	**n/a**	**0.0002371**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-104**	**0.081**	**n/a**	**11/7/2019**	**11**	**Yes**	**90**	**n/a**	**n/a**	**90**	**n/a**	**n/a**	**0.0002371**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-105**	**0.081**	**n/a**	**11/9/2019**	**1.8**	**Yes**	**90**	**n/a**	**n/a**	**90**	**n/a**	**n/a**	**0.0002371**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-106**	**0.081**	**n/a**	**11/9/2019**	**0.097**	**Yes**	**90**	**n/a**	**n/a**	**90**	**n/a**	**n/a**	**0.0002371**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-109**	**0.081**	**n/a**	**11/7/2019**	**0.42**	**Yes**	**90**	**n/a**	**n/a**	**90**	**n/a**	**n/a**	**0.0002371**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-110**	**0.081**	**n/a**	**11/7/2019**	**4.2**	**Yes**	**90**	**n/a**	**n/a**	**90**	**n/a**	**n/a**	**0.0002371**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	MW-102	1.43	n/a	11/9/2019	0.61	No	90	0.8908	0.1251	0	None	x^(1/3)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	**MW-103**	**1.43**	**n/a**	**11/7/2019**	**3.4**	**Yes**	**90**	**0.8908**	**0.1251**	**0**	**None**	**x^(1/3)**	**0.001075**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-104**	**1.43**	**n/a**	**11/7/2019**	**62**	**Yes**	**90**	**0.8908**	**0.1251**	**0**	**None**	**x^(1/3)**	**0.001075**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-105**	**1.43**	**n/a**	**11/9/2019**	**84**	**Yes**	**90**	**0.8908**	**0.1251**	**0**	**None**	**x^(1/3)**	**0.001075**	**Param Inter 1 of 2**
Calcium (mg/L)	MW-106	1.43	n/a	11/9/2019	0.56	No	90	0.8908	0.1251	0	None	x^(1/3)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	**MW-109**	**1.43**	**n/a**	**11/7/2019**	**4.3**	**Yes**	**90**	**0.8908**	**0.1251**	**0**	**None**	**x^(1/3)**	**0.001075**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-110**	**1.43**	**n/a**	**11/7/2019**	**32**	**Yes**	**90**	**0.8908**	**0.1251**	**0**	**None**	**x^(1/3)**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	MW-102	6.758	n/a	11/9/2019	6.1	No	90	5.177	0.8388	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	**MW-103**	**6.758**	**n/a**	**11/7/2019**	**15**	**Yes**	**90**	**5.177**	**0.8388**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-104**	**6.758**	**n/a**	**11/7/2019**	**120**	**Yes**	**90**	**5.177**	**0.8388**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-105**	**6.758**	**n/a**	**11/9/2019**	**200**	**Yes**	**90**	**5.177**	**0.8388**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	MW-106	6.758	n/a	11/9/2019	4.7	No	90	5.177	0.8388	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	**MW-109**	**6.758**	**n/a**	**11/7/2019**	**18**	**Yes**	**90**	**5.177**	**0.8388**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-110**	**6.758**	**n/a**	**11/7/2019**	**120**	**Yes**	**90**	**5.177**	**0.8388**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Field pH (SU)	MW-102	7.11	4.5	11/9/2019	4.78	No	90	n/a	n/a	0	n/a	n/a	0.0004742	NP Inter (normality) 1 of 2
Field pH (SU)	MW-103	7.11	4.5	11/7/2019	4.99	No	90	n/a	n/a	0	n/a	n/a	0.0004742	NP Inter (normality) 1 of 2
Field pH (SU)	**MW-104**	**7.11**	**4.5**	**11/7/2019**	**4.03**	**Yes**	**90**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0004742**	**NP Inter (normality) 1 of 2**
Field pH (SU)	MW-105	7.11	4.5	11/9/2019	6.19	No	90	n/a	n/a	0	n/a	n/a	0.0004742	NP Inter (normality) 1 of 2
Field pH (SU)	MW-106	7.11	4.5	11/9/2019	5.06	No	90	n/a	n/a	0	n/a	n/a	0.0004742	NP Inter (normality) 1 of 2
Field pH (SU)	MW-109	7.11	4.5	11/7/2019	4.78	No	90	n/a	n/a	0	n/a	n/a	0.0004742	NP Inter (normality) 1 of 2
Field pH (SU)	MW-110	7.11	4.5	11/7/2019	4.74	No	90	n/a	n/a	0	n/a	n/a	0.0004742	NP Inter (normality) 1 of 2
Fluoride (mg/L)	MW-102	0.12	n/a	11/9/2019	0.1ND	No	90	n/a	n/a	97.78	n/a	n/a	0.0002371	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-103	0.12	n/a	11/7/2019	0.1ND	No	90	n/a	n/a	97.78	n/a	n/a	0.0002371	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-104**	**0.12**	**n/a**	**11/7/2019**	**0.21**	**Yes**	**90**	**n/a**	**n/a**	**97.78**	**n/a**	**n/a**	**0.0002371**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	MW-105	0.12	n/a	11/9/2019	0.1ND	No	90	n/a	n/a	97.78	n/a	n/a	0.0002371	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-106	0.12	n/a	11/9/2019	0.1ND	No	90	n/a	n/a	97.78	n/a	n/a	0.0002371	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-109	0.12	n/a	11/7/2019	0.1ND	No	90	n/a	n/a	97.78	n/a	n/a	0.0002371	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-110	0.12	n/a	11/7/2019	0.04	No	90	n/a	n/a	97.78	n/a	n/a	0.0002371	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-102	5	n/a	11/9/2019	5ND	No	89	n/a	n/a	75.28	n/a	n/a	0.0002432	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-103**	**5**	**n/a**	**11/7/2019**	**27**	**Yes**	**89**	**n/a**	**n/a**	**75.28**	**n/a**	**n/a**	**0.0002432**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-104**	**5**	**n/a**	**11/7/2019**	**610**	**Yes**	**89**	**n/a**	**n/a**	**75.28**	**n/a**	**n/a**	**0.0002432**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-105**	**5**	**n/a**	**11/9/2019**	**120**	**Yes**	**89**	**n/a**	**n/a**	**75.28**	**n/a**	**n/a**	**0.0002432**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	MW-106	5	n/a	11/9/2019	5ND	No	89	n/a	n/a	75.28	n/a	n/a	0.0002432	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-109**	**5**	**n/a**	**11/7/2019**	**16**	**Yes**	**89**	**n/a**	**n/a**	**75.28**	**n/a**	**n/a**	**0.0002432**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-110**	**5**	**n/a**	**11/7/2019**	**290**	**Yes**	**89**	**n/a**	**n/a**	**75.28**	**n/a**	**n/a**	**0.0002432**	**NP Inter (NDs) 1 of 2**
Total Dissolved Solids (mg/L)	MW-102	110	n/a	11/9/2019	24	No	90	n/a	n/a	30	n/a	n/a	0.0002371	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-103	110	n/a	11/7/2019	50	No	90	n/a	n/a	30	n/a	n/a	0.0002371	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-104**	**110**	**n/a**	**11/7/2019**	**980**	**Yes**	**90**	**n/a**	**n/a**	**30**	**n/a**	**n/a**	**0.0002371**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-105**	**110**	**n/a**	**11/9/2019**	**720**	**Yes**	**90**	**n/a**	**n/a**	**30**	**n/a**	**n/a**	**0.0002371**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	MW-106	110	n/a	11/9/2019	42	No	90	n/a	n/a	30	n/a	n/a	0.0002371	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-109	110	n/a	11/7/2019	24	No	90	n/a	n/a	30	n/a	n/a	0.0002371	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-110**	**110**	**n/a**	**11/7/2019**	**540**	**Yes**	**90**	**n/a**	**n/a**	**30**	**n/a**	**n/a**	**0.0002371**	**NP Inter (normality) 1 of 2**

Hollow symbols indicate censored values.

Exceeds Limit: MW-103, MW-104, MW-105, MW-106, MW-109, MW-110

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 90 background values. 90% NDs. Annual per-constituent alpha = 0.003314. Individual comparison alpha = 0.0002371 (1 of 2). Comparing 7 points to limit.

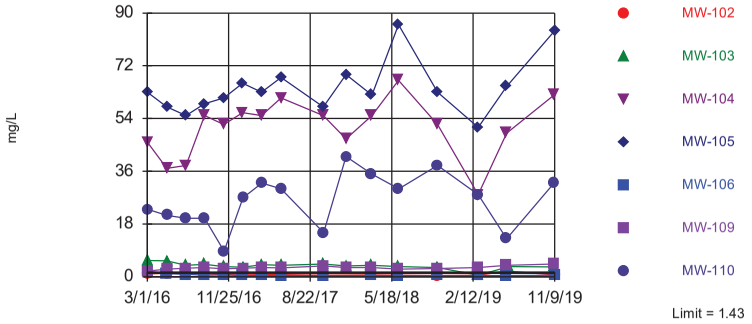
Constituent: Boron Analysis Run 3/7/2020 4:48 PM View: PL's Interwell 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Exceeds Limit: MW-103, MW-104, MW-105, MW-109, MW-110

Prediction Limit

Interwell Parametric



Background Data Summary (based on cube root transformation): Mean=0.8908, Std. Dev.=0.1251, n=90. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9656, critical = 0.961. Kappa = 1.885 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.001075. Comparing 7 points to limit.

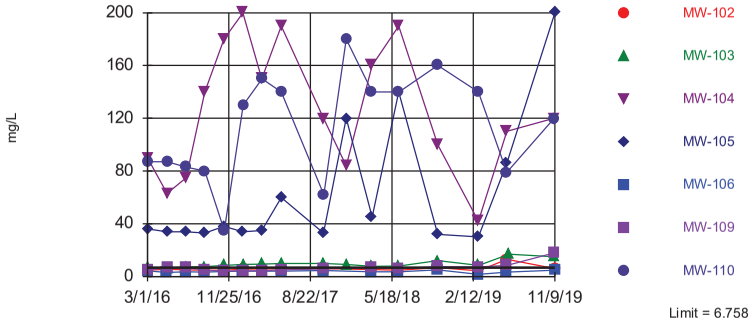
Constituent: Calcium Analysis Run 3/7/2020 4:48 PM View: PL's Interwell 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Exceeds Limit: MW-103, MW-104, MW-105, MW-109, MW-110

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=5.177, Std. Dev.=0.8388, n=90. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9674, critical = 0.961. Kappa = 1.885 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.001075. Comparing 7 points to limit.

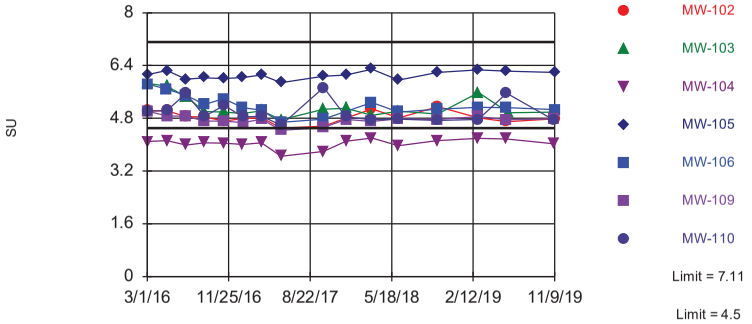
Constituent: Chloride Analysis Run 3/7/2020 4:48 PM View: PL's Interwell 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Exceeds Limits: MW-104

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. Limits are highest and lowest of 90 background values. Annual per-constituent alpha = 0.006629. Individual comparison alpha = 0.0004742 (1 of 2). Comparing 7 points to limit.

Constituent: Field pH Analysis Run 3/7/2020 4:48 PM View: PL's Interwell 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/7/2020 4:51 PM View: PL's Interwell 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-105	MW-104	MW-306 (bg)	MW-103	MW-307 (bg)
2/29/2016	<0.05	<0.05	<0.05	<0.05					
3/1/2016					<0.05 (*)	8.7	<0.05	<0.05 (*)	<0.05
3/2/2016									
5/2/2016	<0.05	<0.05	<0.05						<0.05
5/3/2016							<0.05		
5/4/2016				<0.05					
5/5/2016					<0.05 (*)	7.8		<0.05 (*)	
7/5/2016	<0.05	<0.05	<0.05				<0.05		<0.05
7/7/2016					1	7		0.33	
7/8/2016				<0.05					
9/6/2016	<0.05	<0.05	<0.05	<0.05			<0.05		<0.05
9/7/2016					0.53	12		0.37	
11/7/2016	<0.05	<0.05	<0.05				<0.05		<0.05
11/9/2016					1.6	9.6			
11/10/2016				<0.05				0.43	
1/9/2017	<0.05	<0.05	<0.05				<0.05		<0.05
1/11/2017				<0.05	0.9	11			
1/12/2017								0.44	
3/13/2017	<0.05	<0.05	0.022 (J)				<0.05		<0.05
3/14/2017				<0.05	0.63	10			
3/15/2017								0.46	
5/15/2017	<0.05	<0.05	<0.05				<0.05		<0.05
5/18/2017				<0.05	1.5	15		0.44	
10/2/2017	<0.05	<0.05	0.023 (J)				<0.05		<0.05
10/5/2017				<0.05	0.32	12			
10/6/2017								0.37	
12/19/2017					1.6 (R)	11 (R)		0.35 (R)	
3/12/2018	<0.05	<0.05	<0.05				<0.05		<0.05
3/14/2018				<0.05	0.7	11		0.32	
6/5/2018	<0.05	<0.05	<0.05						
6/6/2018							<0.05		<0.05
6/10/2018				<0.05	2.4	12			
6/11/2018								0.26	
10/16/2018	<0.05	<0.05	<0.05						
10/17/2018							<0.05		<0.05
10/18/2018				0.081	0.43	9.6		0.25	
10/19/2018									
2/27/2019	<0.05	<0.05	<0.05	<0.05			<0.05		<0.05
3/1/2019					0.4	6.5			
3/2/2019								<0.05	
5/31/2019	<0.05	<0.05	<0.05	<0.05			<0.05		<0.05
6/3/2019					1.7	11			
6/11/2019								0.39	
11/6/2019	0.017 (V)	0.016 (V)	0.022 (V)	0.016 (V)			0.011 (V)		0.0099 (J)
11/7/2019						11		0.19	
11/9/2019					1.8				

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/7/2020 4:51 PM View: PL's Interwell 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-102	MW-106	MW-110	MW-109
2/29/2016				
3/1/2016	<0.05	<0.05		
3/2/2016			3	<0.05 (*)
5/2/2016				
5/3/2016				
5/4/2016		<0.05 (*)		
5/5/2016	<0.05		2.9	<0.05 (*)
7/5/2016				
7/7/2016	<0.05		3	0.1
7/8/2016		<0.05		
9/6/2016	<0.05			
9/7/2016		0.022 (J)	3.8	0.073
11/7/2016				
11/9/2016		<0.05		
11/10/2016	<0.05		2.1	0.073
1/9/2017				
1/11/2017		<0.05		
1/12/2017	<0.05		4	0.059
3/13/2017				
3/14/2017		0.071		0.044 (J)
3/15/2017	<0.05		4.2	
5/15/2017				
5/18/2017	<0.05	<0.05 (*)	4.4	<0.05 (*)
10/2/2017				
10/5/2017		<0.05		0.047 (J)
10/6/2017	<0.05		2.3	
12/19/2017			5.3 (R)	
3/12/2018				
3/14/2018	<0.05	<0.05	4.6	<0.05
6/5/2018				
6/6/2018				
6/10/2018		0.066		
6/11/2018	<0.05		4.2	0.11
10/16/2018				
10/17/2018				
10/18/2018		0.067	4.3	0.15
10/19/2018	0.34			
2/27/2019				
3/1/2019		0.048 (J)	3.8	0.23
3/2/2019	<0.05			
5/31/2019				
6/3/2019	0.17	<0.05	3	0.45
6/11/2019				
11/6/2019				
11/7/2019			4.2	0.42
11/9/2019	0.023 (J)	0.097 (V)		

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 3/7/2020 4:51 PM View: PL's Interwell 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-105	MW-104	MW-306 (bg)	MW-103	MW-307 (bg)
2/29/2016	1	0.67	1.4	1 (J)					
3/1/2016					63	46	0.6	5.6	1.5
3/2/2016									
5/2/2016	0.78	0.58	1.1						0.83
5/3/2016							0.55		
5/4/2016				0.62					
5/5/2016					58	37		5.4	
7/5/2016	0.65	0.43	0.94				0.53		1.6
7/7/2016					55	38		3.9	
7/8/2016				0.4					
9/6/2016	0.7	0.48	1	0.45			0.5		1.6
9/7/2016					59	55		4.2	
11/7/2016	0.8	0.56	1.2				0.68		1.5
11/9/2016					61	52			
11/10/2016				0.44				3.5	
1/9/2017	0.74	0.43	1.2				0.56		0.98
1/11/2017				0.42	66	56			
1/12/2017								3.3	
3/13/2017	0.78	0.48	1.3				0.62		0.75
3/14/2017				0.42	63	55			
3/15/2017								4.1	
5/15/2017	0.76	0.37	1				0.58		0.83
5/18/2017				0.38	68	61		3.9	
10/2/2017	0.78	0.47	1.2				0.62		0.83
10/5/2017				0.39	58	55			
10/6/2017								4.3	
12/19/2017					69 (R)	47 (R)		3.7 (R)	
3/12/2018	0.88	0.49	1.4				0.59		0.71
3/14/2018				0.49	62	55		3.9	
6/5/2018	0.9	0.49	1.2						
6/6/2018							0.59		0.68
6/10/2018				0.39	86	67			
6/11/2018								3.5	
10/16/2018	0.86	0.42	1.4						
10/17/2018							0.54		0.66
10/18/2018				0.41	63	52		3.1	
10/19/2018									
2/27/2019	0.96	0.56	1.3	0.44			0.63		0.7
3/1/2019					51	28			
3/2/2019								0.56	
5/31/2019	0.76	0.33	1.1	0.28			0.45		0.52
6/3/2019					65	49			
6/11/2019								3.5	
11/6/2019	0.88	0.49	1.2	0.46			0.55		0.74
11/7/2019						62		3.4	
11/9/2019					84				

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 3/7/2020 4:51 PM View: PL's Interwell 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-102	MW-106	MW-110	MW-109
2/29/2016				
3/1/2016	0.99 (J)	1.8		
3/2/2016			23	2
5/2/2016				
5/3/2016				
5/4/2016		1.1		
5/5/2016	1.2		21	2.6
7/5/2016				
7/7/2016	1.1		20	2.9
7/8/2016		0.82		
9/6/2016	1			
9/7/2016		0.57	20	3.1
11/7/2016				
11/9/2016		0.62		
11/10/2016	0.73		8.7	2.7
1/9/2017				
1/11/2017		0.44		
1/12/2017	0.63		27	2.9
3/13/2017				
3/14/2017		0.46		3.1
3/15/2017	0.72		32	
5/15/2017				
5/18/2017	0.71	0.41	30	3
10/2/2017				
10/5/2017		0.39		3.7
10/6/2017	0.56		15	
12/19/2017			41 (R)	3.1 (R)
3/12/2018				
3/14/2018	0.63	0.47	35	3.1
6/5/2018				
6/6/2018				
6/10/2018		0.39		
6/11/2018	0.55		30	2.6
10/16/2018				
10/17/2018				
10/18/2018		0.47	38	2.8
10/19/2018	0.37			
2/27/2019				
3/1/2019		0.46	28	3.1
3/2/2019	0.57			
5/31/2019				
6/3/2019	2	0.38	13	3.9
6/11/2019				
11/6/2019				
11/7/2019			32	4.3
11/9/2019	0.61 (V)	0.56 (V)		

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/7/2020 4:51 PM View: PL's Interwell 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-105	MW-104	MW-306 (bg)	MW-103	MW-307 (bg)
2/29/2016	5.3	8.1	7.4	5.4					
3/1/2016					36	90	5.6	6.6	4
3/2/2016									
5/2/2016	4.4	6	6.3						3.6
5/3/2016							5.1		
5/4/2016				4.5					
5/5/2016					34	63		6.5	
7/5/2016	4.2	5.2	4.8				4.7		3.6
7/7/2016					34	75		7.3	
7/8/2016				4.9					
9/6/2016	4.3	5.5	6	4.3			4.4		4
9/7/2016					33	140		7.4	
11/7/2016	4.2	5.4	5.7				4.6		4.4
11/9/2016					38	180			
11/10/2016				4.5				8.4	
1/9/2017	5.3	6.1	6.8				5.3		4.4
1/11/2017				5.3	34	200			
1/12/2017								9.2	
3/13/2017	5.2	5.5	6.8				5.6		4.1
3/14/2017				5.5	35	150			
3/15/2017								9.5	
5/15/2017	4.8	4.7	6.1				5.2		3.7
5/18/2017				5	60	190		9.9	
10/2/2017	5.5	6.1	6				5.5		4.8
10/5/2017				5.6	33	120			
10/6/2017								10	
12/19/2017					120 (R)	84 (R)		9.3 (R)	
3/12/2018	5.3	6.1	5.9				5.6		4
3/14/2018				5.2	45	160		7.7	
6/5/2018	5.3	5.5	6.5						
6/6/2018							5.6		4.1
6/10/2018				5.2	140	190			
6/11/2018								8	
10/16/2018	5.5	5.1	5.9						
10/17/2018							5.5		3.7
10/18/2018				5.2	32	100		12	
10/19/2018									
2/27/2019	4.6	5	4.3	5.1			5.1		4
3/1/2019					30	42			
3/2/2019								8.5	
5/31/2019	5.1	5.4	4.5	5			5.4		3.7
6/3/2019					86	110			
6/11/2019								17	
11/6/2019	5.8	6.1	5.7	6			5.9		4.7
11/7/2019						120		15	
11/9/2019					200				

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/7/2020 4:51 PM View: PL's Interwell 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-102	MW-106	MW-110	MW-109
2/29/2016				
3/1/2016	4.8	4.4		
3/2/2016			87	5
5/2/2016				
5/3/2016				
5/4/2016		3		
5/5/2016	5.6		87	6.8
7/5/2016				
7/7/2016	5		83	6.7
7/8/2016		3.5		
9/6/2016	4.8			
9/7/2016		3.3	80	4.8
11/7/2016				
11/9/2016		3.9		
11/10/2016	4.7		35	4.2
1/9/2017				
1/11/2017		4.1		
1/12/2017	5.6		130	4.4
3/13/2017				
3/14/2017		4		4.4
3/15/2017	5.9		150	
5/15/2017				
5/18/2017	5.7	4	140	5
10/2/2017				
10/5/2017		4.5		5.8
10/6/2017	6		62	
12/19/2017			180 (R)	
3/12/2018				
3/14/2018	5.2	3.7	140	6.9
6/5/2018				
6/6/2018				
6/10/2018		3.6		
6/11/2018	4.9		140	6
10/16/2018				
10/17/2018				
10/18/2018		5	160	7.5
10/19/2018	6.7			
2/27/2019				
3/1/2019		1.7 (J)	140	7.2
3/2/2019	4.4			
5/31/2019				
6/3/2019	13	3.3	79	8.5
6/11/2019				
11/6/2019				
11/7/2019			120	18
11/9/2019	6.1	4.7		

Prediction Limit

Constituent: Field pH (SU) Analysis Run 3/7/2020 4:51 PM View: PL's Interwell 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-105	MW-104	MW-306 (bg)	MW-103	MW-307 (bg)
2/29/2016	5.11	5.11	4.9	5.26					
3/1/2016					6.12	4.09	5.08	5.86	6.37
3/2/2016									
5/2/2016	4.76	4.77	4.69						5.605 (D)
5/3/2016							5.14		
5/4/2016				5.1					
5/5/2016					6.25	4.12		5.77	
7/5/2016	5.12	5.48	7.11				5.38		6.29
7/7/2016					5.99	3.99		5.45	
7/8/2016				4.96					
9/6/2016	5.11	5.12	5.19	5.43			5.37		6.42
9/7/2016					6.03	4.06		5.01	
11/7/2016	4.76	4.73	4.64				4.92		5.75
11/9/2016					6.01	4.05			
11/10/2016				4.89				4.99	
1/9/2017	4.99	5	4.94				5.05		5.98
1/11/2017				4.87	6.04	4.01			
1/12/2017								4.95	
3/13/2017	4.57	4.74	4.63				4.87		5.81
3/14/2017				4.71	6.11	4.06			
3/15/2017								5.03	
5/15/2017	4.6	4.63	4.52				4.69		5.42
5/18/2017				4.5	5.88	3.65		4.75	
10/2/2017	4.64	4.63	4.54				4.88		5.63
10/5/2017				4.63	6.07	3.79			
10/6/2017								5.07	
12/19/2017					6.11 (R)	4.1 (R)		5.1 (R)	
3/12/2018	4.85	4.81	4.81				5.07		5.6
3/14/2018				5.14	6.29	4.2		4.89	
6/5/2018	4.92	5.04	4.9						
6/6/2018							5.09		5.58
6/10/2018				5.12	5.96	3.97			
6/11/2018								5.02	
10/16/2018	4.93	4.98	4.81						
10/17/2018							4.99		5.54
10/18/2018				4.97	6.19	4.12		4.93	
10/19/2018									
2/27/2019	4.75	4.78	4.71	4.84			4.87		5.4
3/1/2019					6.27	4.19			
3/2/2019								5.58	
5/31/2019	4.9	4.92	4.84	4.92			4.89		5.45
6/3/2019					6.23	4.17			
6/11/2019								4.97	
11/6/2019	4.82	4.88	4.78	4.94			5.04		5.52
11/7/2019						4.03		4.99	
11/9/2019					6.19				

Prediction Limit

Constituent: Field pH (SU) Analysis Run 3/7/2020 4:51 PM View: PL's Interwell 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

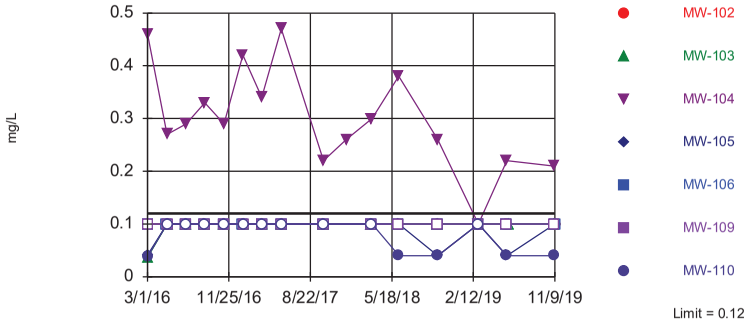
	MW-102	MW-106	MW-110	MW-109
2/29/2016				
3/1/2016	5.03	5.84		
3/2/2016			5.015 (D)	5.015 (D)
5/2/2016				
5/3/2016				
5/4/2016		5.69		
5/5/2016	5.03		5.04	4.87
7/5/2016				
7/7/2016	4.85		5.55	4.86
7/8/2016		5.49		
9/6/2016	4.84			
9/7/2016		5.22	4.86	4.72
11/7/2016				
11/9/2016		5.39		
11/10/2016	4.72		5.19	4.72
1/9/2017				
1/11/2017		5.12		
1/12/2017	4.79		4.84	4.67
3/13/2017				
3/14/2017		5.05		4.77
3/15/2017	4.81		4.86	
5/15/2017				
5/18/2017	4.5	4.68	4.59	4.43
10/2/2017				
10/5/2017		4.77		4.52
10/6/2017	4.56		5.73	
12/19/2017			4.84 (R)	4.76 (R)
3/12/2018				
3/14/2018	5.08	5.28	4.75	4.71
6/5/2018				
6/6/2018				
6/10/2018		4.99		
6/11/2018	4.81		4.77	4.78
10/16/2018				
10/17/2018				
10/18/2018		5.07	4.73	4.76
10/19/2018	5.15			
2/27/2019				
3/1/2019		5.13	4.76	4.85
3/2/2019	4.81			
5/31/2019				
6/3/2019	4.7	5.12	5.56	4.75
6/11/2019				
11/6/2019				
11/7/2019			4.74	4.78
11/9/2019	4.78	5.06		

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-104

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 90 background values. 97.78% NDs. Annual per-constituent alpha = 0.003314. Individual comparison alpha = 0.0002371 (1 of 2). Comparing 7 points to limit.

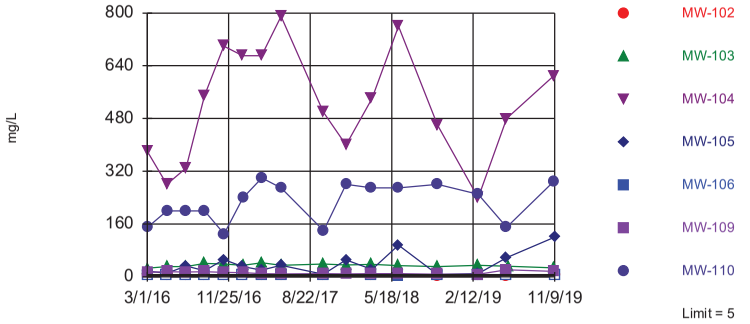
Constituent: Fluoride Analysis Run 3/7/2020 4:48 PM View: PL's Interwell 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-103, MW-104, MW-105, MW-109, MW-110

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 89 background values. 75.28% NDs. Annual per-constituent alpha = 0.0034. Individual comparison alpha = 0.0002432 (1 of 2). Comparing 7 points to limit.

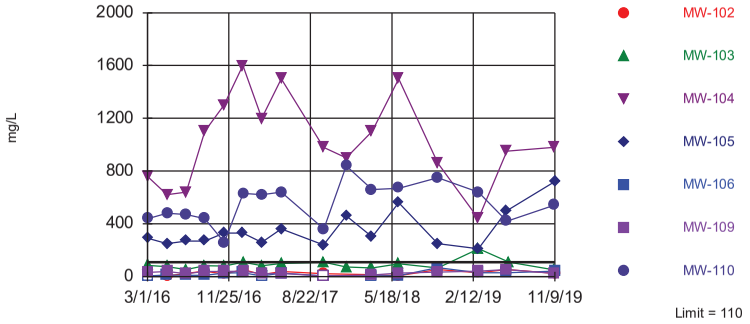
Constituent: Sulfate Analysis Run 3/7/2020 4:48 PM View: PL's Interwell 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-104, MW-105, MW-110

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 90 background values. 30% NDs. Annual per-constituent alpha = 0.003314. Individual comparison alpha = 0.0002371 (1 of 2). Comparing 7 points to limit.

Constituent: Total Dissolved Solids Analysis Run 3/7/2020 4:48 PM View: PL's Interwell 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/7/2020 4:51 PM View: PL's Interwell 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-105	MW-104	MW-306 (bg)	MW-103	MW-307 (bg)
2/29/2016	<0.1	<0.1	<0.1	<0.1					
3/1/2016					0.041 (J)	0.46	<0.1	0.037 (J)	0.033 (J)
3/2/2016									
5/2/2016	<0.1	<0.1	<0.1						<0.1
5/3/2016							<0.1		
5/4/2016				<0.1					
5/5/2016					<0.1	0.27		<0.1	
7/5/2016	<0.1	<0.1	<0.1				<0.1		<0.1
7/7/2016					<0.1	0.29		<0.1	
7/8/2016				<0.1					
9/6/2016	<0.1	<0.1	<0.1	<0.1			<0.1		<0.1
9/7/2016					<0.1	0.33		<0.1	
11/7/2016	<0.1	<0.1	<0.1				<0.1		<0.1
11/9/2016					<0.1	0.29			
11/10/2016				<0.1				<0.1	
1/9/2017	<0.1	<0.1	<0.1				<0.1		<0.1
1/11/2017				<0.1	<0.1	0.42			
1/12/2017								<0.1	
3/13/2017	<0.1	<0.1	<0.1				<0.1		<0.1
3/14/2017				<0.1	<0.1	0.34			
3/15/2017								<0.1	
5/15/2017	<0.1	<0.1	<0.1				<0.1		<0.1
5/18/2017				<0.1	<0.1	0.47		<0.1	
10/2/2017	<0.1	<0.1	<0.1				<0.1		<0.1
10/5/2017				<0.1	<0.1	0.22			
10/6/2017								<0.1	
12/19/2017						0.26 (R)			
3/12/2018	<0.1	<0.1	<0.1				<0.1		<0.1
3/14/2018				0.12	<0.1	0.3		<0.1	
6/5/2018	<0.1	<0.1	<0.1						
6/6/2018							<0.1		<0.1
6/10/2018				<0.1	<0.1	0.38			
6/11/2018								<0.1	
10/16/2018	<0.1	<0.1	<0.1						
10/17/2018							<0.1		<0.1
10/18/2018				<0.1	0.04 (J)	0.26		<0.1	
10/19/2018									
2/27/2019	<0.1	<0.1	<0.1	<0.1			<0.1		<0.1
3/1/2019					<0.1	0.1			
3/2/2019								<0.1	
5/31/2019	<0.1	<0.1	<0.1	<0.1			<0.1		<0.1
6/3/2019					0.04 (J)	0.22			
6/11/2019								<0.1	
11/6/2019	<0.1	<0.1	<0.1	<0.1			<0.1		<0.1
11/7/2019						0.21		<0.1	
11/9/2019					<0.1				

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/7/2020 4:51 PM View: PL's Interwell 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-102	MW-106	MW-110	MW-109
2/29/2016				
3/1/2016	<0.1	<0.1		
3/2/2016			0.039 (J)	<0.1
5/2/2016				
5/3/2016				
5/4/2016		<0.1		
5/5/2016	<0.1		<0.1	<0.1
7/5/2016				
7/7/2016	<0.1		<0.1	<0.1
7/8/2016		<0.1		
9/6/2016	<0.1			
9/7/2016		<0.1	<0.1	<0.1
11/7/2016				
11/9/2016		<0.1		
11/10/2016	<0.1		<0.1	<0.1
1/9/2017				
1/11/2017		<0.1		
1/12/2017	<0.1		<0.1	<0.1
3/13/2017				
3/14/2017		<0.1		<0.1
3/15/2017	<0.1		<0.1	
5/15/2017				
5/18/2017	<0.1	<0.1	<0.1	<0.1
10/2/2017				
10/5/2017		<0.1		<0.1
10/6/2017	<0.1		<0.1	
12/19/2017				
3/12/2018				
3/14/2018	<0.1	<0.1	<0.1	<0.1
6/5/2018				
6/6/2018				
6/10/2018		<0.1		
6/11/2018	<0.1		0.04 (J)	<0.1
10/16/2018				
10/17/2018				
10/18/2018		<0.1	0.04 (J)	<0.1
10/19/2018	<0.1			
2/27/2019				
3/1/2019		<0.1	<0.1	<0.1
3/2/2019	<0.1			
5/31/2019				
6/3/2019	<0.1	<0.1	0.04 (J)	<0.1
6/11/2019				
11/6/2019				
11/7/2019			0.04 (J)	<0.1
11/9/2019	<0.1	<0.1		

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/7/2020 4:51 PM View: PL's Interwell 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-101 (bg)	MW-107 (bg)	MW-105	MW-102	MW-103	MW-307 (bg)	MW-104
2/29/2016	<5	1.6 (J)	<5	<5					
3/1/2016					17	<5	26	<5	380
3/2/2016									
5/2/2016	15 (o)	2.1 (J)		<5				<5	
5/3/2016									
5/4/2016			<5						
5/5/2016					11	<5	31		280
7/5/2016	<5	2 (J)		<5				<5	
7/7/2016					33	<5	31		330
7/8/2016			<5						
9/6/2016	<5	1.8 (J)	<5	<5		<5		3.7 (J)	
9/7/2016					18		41		550
11/7/2016	<5	1.7 (J)		<5				<5	
11/9/2016					52				700
11/10/2016			<5			<5	39		
1/9/2017	<5	1.5 (J)		2.6 (J)				<5	
1/11/2017			<5		31				670
1/12/2017						<5	35		
3/13/2017	2.5 (J)	2.2 (J)		<5				<5	
3/14/2017			<5		20				670
3/15/2017						<5 (*)	43		
5/15/2017	<5	1.9 (J)		<5				<5	
5/18/2017			<5 (X)		35	<5 (X)	35		790
10/2/2017	<5	3.4 (J)		<5				1.7 (J)	
10/5/2017			<5		7.7				500
10/6/2017						<5	39		
12/19/2017					51 (R)		36 (R)		400 (R)
3/12/2018	<5	2.6 (J)		<5				<5	
3/14/2018			<5		22	<5	38		540
6/5/2018	<5	2.6 (J)		<5					
6/6/2018								<5	
6/10/2018			1.5 (J)		96				760
6/11/2018						1.7 (J)	34		
10/16/2018	<5	2.8 (J)		<5					
10/17/2018								<5	
10/18/2018			<5		6.6		31		460
10/19/2018						3.4 (J)			
2/27/2019	<5	2.4 (J)	1.9 (J)	<5				<5	
3/1/2019					9.6				240
3/2/2019						<5	35		
5/31/2019	<5	3.3 (J)	<5	<5				<5	
6/3/2019					58	3.5 (J)			480
6/11/2019							32		
11/6/2019	<5	3.7 (J)	<5	<5				<5	
11/7/2019							27		610
11/9/2019					120	<5			

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/7/2020 4:51 PM View: PL's Interwell 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-106	MW-110	MW-109
2/29/2016				
3/1/2016	<5	<5		
3/2/2016			150	13
5/2/2016				
5/3/2016	<5			
5/4/2016		<5		
5/5/2016			200	15
7/5/2016	<5			
7/7/2016			200	14
7/8/2016		<5		
9/6/2016	<5			
9/7/2016		<5	200	15
11/7/2016	<5			
11/9/2016		<5		
11/10/2016			130	13
1/9/2017	<5			
1/11/2017		<5		
1/12/2017			240	12
3/13/2017	<5			
3/14/2017		<5		10 (V)
3/15/2017			300	
5/15/2017	<5			
5/18/2017		<5 (X)	270	8.7
10/2/2017	1.5 (J)			
10/5/2017		<5		9.8
10/6/2017			140	
12/19/2017			280 (R)	8.4 (R)
3/12/2018	<5			
3/14/2018		<5	270	9.7
6/5/2018				
6/6/2018	<5			
6/10/2018		1.4 (J)		
6/11/2018			270	10
10/16/2018				
10/17/2018	<5			
10/18/2018		<5	280	8.1
10/19/2018				
2/27/2019	<5			
3/1/2019		<5	250	7.4
3/2/2019				
5/31/2019	<5			
6/3/2019		<5	150	21
6/11/2019				
11/6/2019	<5			
11/7/2019			290	16
11/9/2019		<5		

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 3/7/2020 4:51 PM View: PL's Interwell 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-105	MW-104	MW-306 (bg)	MW-103	MW-307 (bg)
2/29/2016	20	<5	12	20					
3/1/2016					290	760	10	84	<5
3/2/2016									
5/2/2016	<5	<5	6						36
5/3/2016							<5		
5/4/2016				6					
5/5/2016					250	620		76	
7/5/2016	12	14	<5				<5		<5
7/7/2016					270	640		54	
7/8/2016				6					
9/6/2016	36	30	38	36			36		44
9/7/2016					270	1100		82	
11/7/2016	18	8	<5				<5		30
11/9/2016					330	1300			
11/10/2016				16				80	
1/9/2017	4 (J)	<5	14				<5		12
1/11/2017				38	330	1600			
1/12/2017								110	
3/13/2017	6	<5	8				22		20
3/14/2017				<5	260	1200			
3/15/2017								82	
5/15/2017	<5	<5	<5				6		4 (J)
5/18/2017				10	360	1500		100	
10/2/2017	<5	<5	6				16		24
10/5/2017				<5	240	980			
10/6/2017								110	
12/19/2017					460 (R)	900 (R)		72 (R)	
3/12/2018	18	14	<5				<5		<5
3/14/2018				8	300	1100		66	
6/5/2018	10	<5	14						
6/6/2018							20		16
6/10/2018				8	560	1500			
6/11/2018								96	
10/16/2018	32	12	6						
10/17/2018							44		44
10/18/2018				28	250	860		64	
10/19/2018									
2/27/2019	110	54	110	68			20		28
3/1/2019					210	440			
3/2/2019								210	
5/31/2019	46	8	26	<5			32		18
6/3/2019					500	950			
6/11/2019								110	
11/6/2019	<5	4 (J)	<5	10			24		20
11/7/2019						980		50	
11/9/2019					720				

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 3/7/2020 4:51 PM View: PL's Interwell 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-102	MW-106	MW-110	MW-109
2/29/2016				
3/1/2016	<5	<5		
3/2/2016			440	30
5/2/2016				
5/3/2016				
5/4/2016		12		
5/5/2016	<5		480	38
7/5/2016				
7/7/2016	24		470	22
7/8/2016		10		
9/6/2016	40			
9/7/2016		10	440	38
11/7/2016				
11/9/2016		26		
11/10/2016	20		260	38
1/9/2017				
1/11/2017		28		
1/12/2017	54		630	40
3/13/2017				
3/14/2017		<5		22
3/15/2017	14		620	
5/15/2017				
5/18/2017	38	26	640	24
10/2/2017				
10/5/2017		<5		<5
10/6/2017	22		360	
12/19/2017			840 (R)	
3/12/2018				
3/14/2018	14	<5	660	12
6/5/2018				
6/6/2018				
6/10/2018		6		
6/11/2018	8		670	26
10/16/2018				
10/17/2018				
10/18/2018		68	750	34
10/19/2018	54			
2/27/2019				
3/1/2019		28	640	42
3/2/2019	28			
5/31/2019				
6/3/2019	54	28	420	54
6/11/2019				
11/6/2019				
11/7/2019			540	24
11/9/2019	24	42		

200 Series

Intrawell Prediction Limit Summary - 200 Series Wells All Results (No Significant)

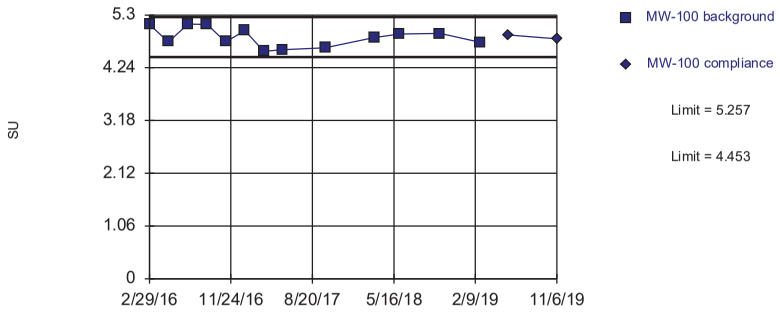
Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/7/2020, 5:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	MW-100	5.257	4.453	11/6/2019	4.82	No	13	4.855	0.1936	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-101	5.491	4.42	11/6/2019	4.94	No	13	4.955	0.258	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-107	5.412	4.406	11/6/2019	4.88	No	13	4.909	0.2421	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-108	5.178	4.369	11/6/2019	4.78	No	12	4.773	0.1917	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-306	5.438	4.624	11/6/2019	5.04	No	13	5.031	0.1961	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-307	6.537	5.063	11/6/2019	5.52	No	13	5.8	0.3549	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-200	5.263	4.716	11/12/2019	4.92	No	14	4.989	0.134	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-201	5.704	4.463	11/12/2019	4.67	No	14	5.084	0.304	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-206	4.64	3.998	11/12/2019	4.56	No	14	4.319	0.1573	0	None	No	0.001253	Param Intra 1 of 2

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.855, Std. Dev.=0.1936, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9274, critical = 0.814. Kappa = 2.077 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

Constituent: Field pH Analysis Run 3/7/2020 5:07 PM View: PL's Intrawell 200 Series

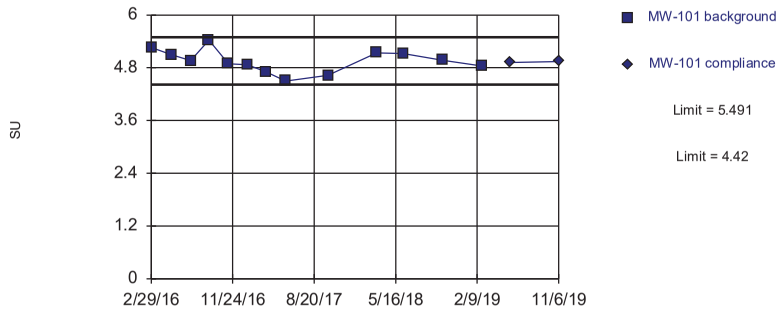
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.955, Std. Dev.=0.258, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9894, critical = 0.814. Kappa = 2.077 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

Constituent: Field pH Analysis Run 3/7/2020 5:07 PM View: PL's Intrawell 200 Series

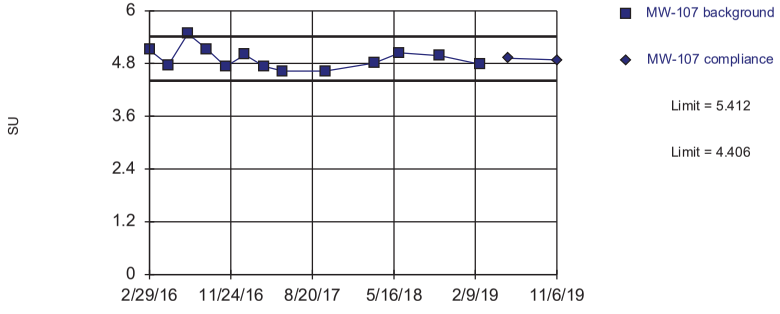
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.909, Std. Dev.=0.2421, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9038, critical = 0.814. Kappa = 2.077 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

Constituent: Field pH Analysis Run 3/7/2020 5:07 PM View: PL's Intrawell 200 Series

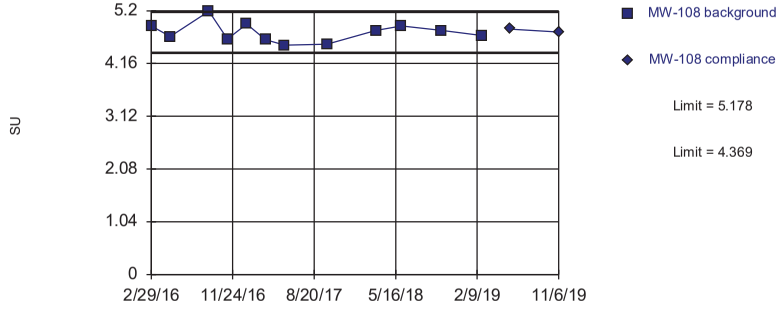
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.773, Std. Dev.=0.1917, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9468, critical = 0.805. Kappa = 2.112 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

Constituent: Field pH Analysis Run 3/7/2020 5:07 PM View: PL's Intrawell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Prediction Limit

Constituent: Field pH (SU) Analysis Run 3/7/2020 5:08 PM View: PL's Intrawell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100	MW-100
2/29/2016	5.11	
5/2/2016	4.76	
7/5/2016	5.12	
9/6/2016	5.11	
11/7/2016	4.76	
1/9/2017	4.99	
3/13/2017	4.57	
5/15/2017	4.6	
10/2/2017	4.64	
3/12/2018	4.85	
6/5/2018	4.92	
10/16/2018	4.93	
2/27/2019	4.75	
5/31/2019		4.9
11/6/2019		4.82

Prediction Limit

Constituent: Field pH (SU) Analysis Run 3/7/2020 5:08 PM View: PL's Intrawell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-101	MW-101
2/29/2016	5.26	
5/4/2016	5.1	
7/8/2016	4.96	
9/6/2016	5.43	
11/10/2016	4.89	
1/11/2017	4.87	
3/14/2017	4.71	
5/18/2017	4.5	
10/5/2017	4.63	
3/14/2018	5.14	
6/10/2018	5.12	
10/18/2018	4.97	
2/27/2019	4.84	
5/31/2019		4.92
11/6/2019		4.94

Prediction Limit

Constituent: Field pH (SU) Analysis Run 3/7/2020 5:08 PM View: PL's Intrawell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-107	MW-107
2/29/2016	5.11	
5/2/2016	4.77	
7/5/2016	5.48	
9/6/2016	5.12	
11/7/2016	4.73	
1/9/2017	5	
3/13/2017	4.74	
5/15/2017	4.63	
10/2/2017	4.63	
3/12/2018	4.81	
6/5/2018	5.04	
10/16/2018	4.98	
2/27/2019	4.78	
5/31/2019		4.92
11/6/2019		4.88

Prediction Limit

Constituent: Field pH (SU) Analysis Run 3/7/2020 5:08 PM View: PL's Intrawell 200 Series

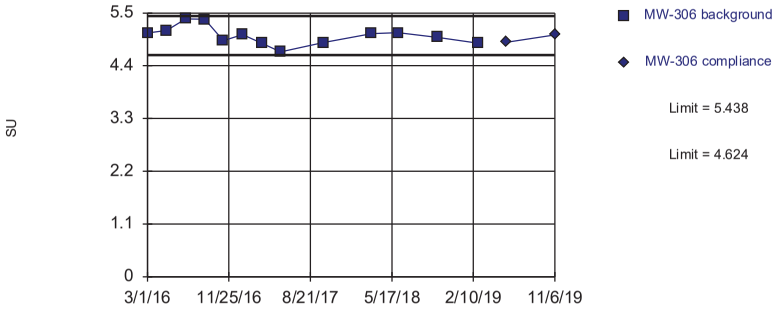
Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-108	MW-108
2/29/2016	4.9	
5/2/2016	4.69	
7/5/2016	7.11 (o)	
9/6/2016	5.19	
11/7/2016	4.64	
1/9/2017	4.94	
3/13/2017	4.63	
5/15/2017	4.52	
10/2/2017	4.54	
3/12/2018	4.81	
6/5/2018	4.9	
10/16/2018	4.81	
2/27/2019	4.71	
5/31/2019		4.84
11/6/2019		4.78

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.031, Std. Dev.=0.1961, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9411, critical = 0.814. Kappa = 2.077 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

Constituent: Field pH Analysis Run 3/7/2020 5:07 PM View: PL's Intrawell 200 Series

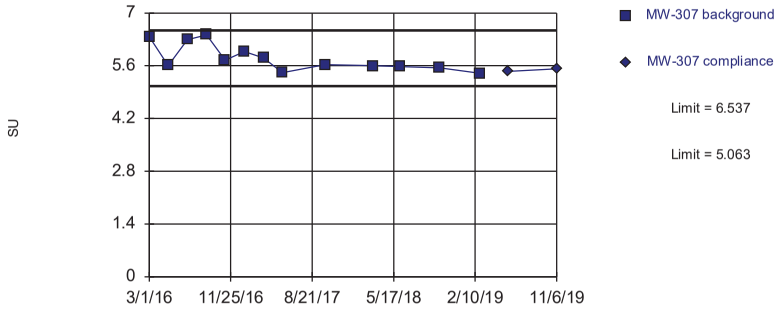
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.8, Std. Dev.=0.3549, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8636, critical = 0.814. Kappa = 2.077 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

Constituent: Field pH Analysis Run 3/7/2020 5:07 PM View: PL's Intrawell 200 Series

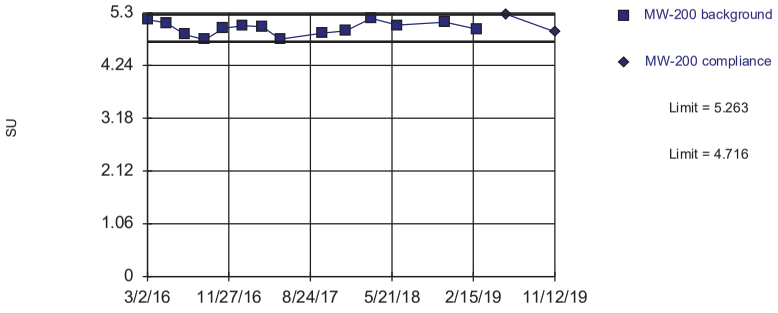
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.989, Std. Dev.=0.134, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9622, critical = 0.825. Kappa = 2.041 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

Constituent: Field pH Analysis Run 3/7/2020 5:07 PM View: PL's Intrawell 200 Series

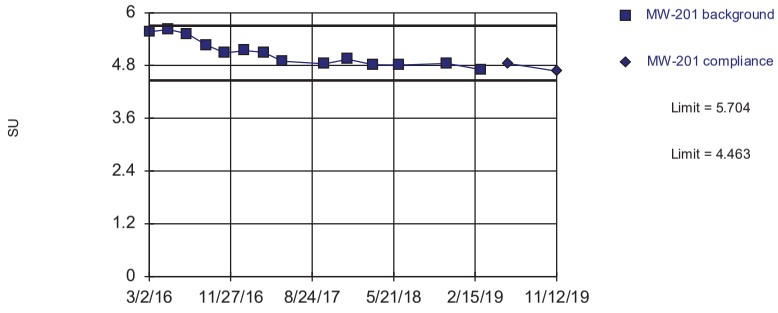
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.084, Std. Dev.=0.304, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8864, critical = 0.825. Kappa = 2.041 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

Constituent: Field pH Analysis Run 3/7/2020 5:07 PM View: PL's Intrawell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Prediction Limit

Constituent: Field pH (SU) Analysis Run 3/7/2020 5:08 PM View: PL's Intrawell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306	MW-306
3/1/2016	5.08	
5/3/2016	5.14	
7/5/2016	5.38	
9/6/2016	5.37	
11/7/2016	4.92	
1/9/2017	5.05	
3/13/2017	4.87	
5/15/2017	4.69	
10/2/2017	4.88	
3/12/2018	5.07	
6/6/2018	5.09	
10/17/2018	4.99	
2/27/2019	4.87	
5/31/2019		4.89
11/6/2019		5.04

Prediction Limit

Constituent: Field pH (SU) Analysis Run 3/7/2020 5:08 PM View: PL's Intrawell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-307	MW-307
3/1/2016	6.37	
5/2/2016	5.605 (D)	
7/5/2016	6.29	
9/6/2016	6.42	
11/7/2016	5.75	
1/9/2017	5.98	
3/13/2017	5.81	
5/15/2017	5.42	
10/2/2017	5.63	
3/12/2018	5.6	
6/6/2018	5.58	
10/17/2018	5.54	
2/27/2019	5.4	
5/31/2019		5.45
11/6/2019		5.52

Prediction Limit

Constituent: Field pH (SU) Analysis Run 3/7/2020 5:08 PM View: PL's Intrawell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-200	MW-200
3/2/2016	5.16 (D)	
5/3/2016	5.1	
7/5/2016	4.86	
9/8/2016	4.76	
11/9/2016	4.99	
1/12/2017	5.04	
3/17/2017	5.02	
5/16/2017	4.77	
10/4/2017	4.89	
12/20/2017	4.94 (R)	
3/13/2018	5.19	
6/8/2018	5.05	
11/13/2018	5.11	
2/28/2019	4.97	
6/4/2019		5.27
11/12/2019		4.92

Prediction Limit

Constituent: Field pH (SU) Analysis Run 3/7/2020 5:08 PM View: PL's Intrawell 200 Series

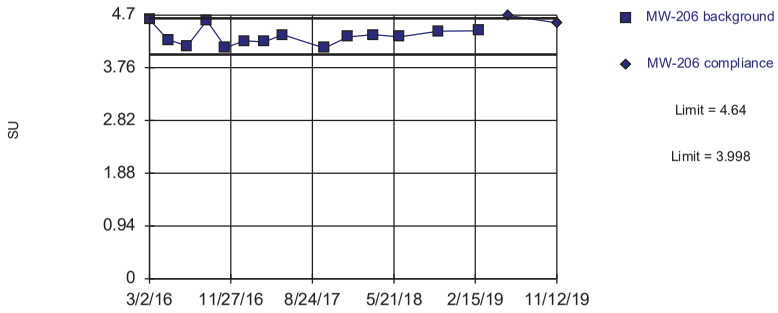
Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-201	MW-201
3/2/2016	5.57	
5/4/2016	5.62	
7/6/2016	5.52	
9/8/2016	5.26	
11/8/2016	5.09	
1/13/2017	5.14	
3/16/2017	5.1	
5/17/2017	4.9	
10/4/2017	4.84	
12/20/2017	4.94 (R)	
3/14/2018	4.82	
6/9/2018	4.81	
11/14/2018	4.85	
3/5/2019	4.71	
6/4/2019		4.85
11/12/2019		4.67

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.319, Std. Dev.=0.1573, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9338, critical = 0.825. Kappa = 2.041 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

Constituent: Field pH Analysis Run 3/7/2020 5:07 PM View: PL's Intrawell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Prediction Limit

Constituent: Field pH (SU) Analysis Run 3/7/2020 5:08 PM View: PL's Intrawell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-206	MW-206
3/2/2016	4.62	
5/3/2016	4.26	
7/5/2016	4.15	
9/8/2016	4.6	
11/9/2016	4.12	
1/12/2017	4.24	
3/17/2017	4.22	
5/17/2017	4.35	
10/3/2017	4.11	
12/20/2017	4.31	
3/14/2018	4.35	
6/8/2018	4.31	
10/17/2018	4.41	
2/28/2019	4.42	
6/4/2019		4.69
11/12/2019		4.56

Interwell Prediction Limit Summary - 200 Series Wells Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/7/2020, 4:57 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-200	0.081	n/a	11/12/2019	5.3	Yes	90	n/a	n/a	90	n/a	n/a	0.0002381	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-201	0.081	n/a	11/12/2019	4.5	Yes	90	n/a	n/a	90	n/a	n/a	0.0002381	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-206	0.081	n/a	11/12/2019	14	Yes	90	n/a	n/a	90	n/a	n/a	0.0002381	NP Inter (NDs) 1 of 2
Calcium (mg/L)	MW-200	1.336	n/a	11/12/2019	130	Yes	90	0.8908	0.1251	0	None	x^(1/3)	0.002505	Param Inter 1 of 2
Calcium (mg/L)	MW-201	1.336	n/a	11/12/2019	82	Yes	90	0.8908	0.1251	0	None	x^(1/3)	0.002505	Param Inter 1 of 2
Calcium (mg/L)	MW-206	1.336	n/a	11/12/2019	240	Yes	90	0.8908	0.1251	0	None	x^(1/3)	0.002505	Param Inter 1 of 2
Chloride (mg/L)	MW-200	6.588	n/a	11/12/2019	280	Yes	90	5.177	0.8388	0	None	No	0.002505	Param Inter 1 of 2
Chloride (mg/L)	MW-201	6.588	n/a	11/12/2019	190	Yes	90	5.177	0.8388	0	None	No	0.002505	Param Inter 1 of 2
Chloride (mg/L)	MW-206	6.588	n/a	11/12/2019	490	Yes	90	5.177	0.8388	0	None	No	0.002505	Param Inter 1 of 2
Fluoride (mg/L)	MW-201	0.12	n/a	11/12/2019	0.57	Yes	90	n/a	n/a	97.78	n/a	n/a	0.0002381	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-200	5	n/a	11/12/2019	100	Yes	89	n/a	n/a	75.28	n/a	n/a	0.0002443	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-201	5	n/a	11/12/2019	93	Yes	89	n/a	n/a	75.28	n/a	n/a	0.0002443	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-206	5	n/a	11/12/2019	260	Yes	89	n/a	n/a	75.28	n/a	n/a	0.0002443	NP Inter (NDs) 1 of 2
Total Dissolved Solids (mg/L)	MW-200	110	n/a	11/12/2019	1000	Yes	90	n/a	n/a	30	n/a	n/a	0.0002381	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-201	110	n/a	11/12/2019	670	Yes	90	n/a	n/a	30	n/a	n/a	0.0002381	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-206	110	n/a	11/12/2019	1900	Yes	90	n/a	n/a	30	n/a	n/a	0.0002381	NP Inter (normality) 1 of 2

Interwell Prediction Limit Summary - 200 Series Wells All Results

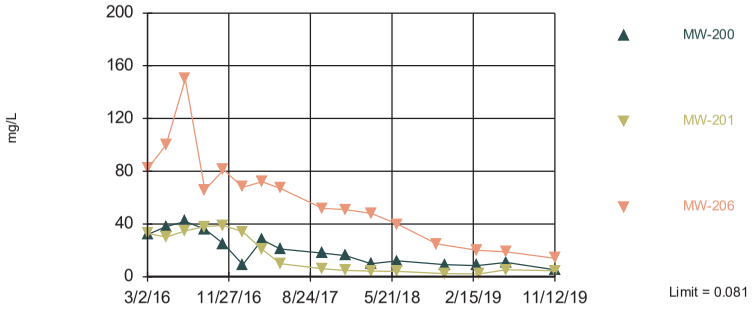
Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/7/2020, 4:57 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**MW-200**	**0.081**	**n/a**	**11/12/2019**	**5.3**	**Yes**	**90**	**n/a**	**n/a**	**90**	**n/a**	**n/a**	**0.0002381**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-201**	**0.081**	**n/a**	**11/12/2019**	**4.5**	**Yes**	**90**	**n/a**	**n/a**	**90**	**n/a**	**n/a**	**0.0002381**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-206**	**0.081**	**n/a**	**11/12/2019**	**14**	**Yes**	**90**	**n/a**	**n/a**	**90**	**n/a**	**n/a**	**0.0002381**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	**MW-200**	**1.336**	**n/a**	**11/12/2019**	**130**	**Yes**	**90**	**0.8908**	**0.1251**	**0**	**None**	**x^(1/3)**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-201**	**1.336**	**n/a**	**11/12/2019**	**82**	**Yes**	**90**	**0.8908**	**0.1251**	**0**	**None**	**x^(1/3)**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-206**	**1.336**	**n/a**	**11/12/2019**	**240**	**Yes**	**90**	**0.8908**	**0.1251**	**0**	**None**	**x^(1/3)**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-200**	**6.588**	**n/a**	**11/12/2019**	**280**	**Yes**	**90**	**5.177**	**0.8388**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-201**	**6.588**	**n/a**	**11/12/2019**	**190**	**Yes**	**90**	**5.177**	**0.8388**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-206**	**6.588**	**n/a**	**11/12/2019**	**490**	**Yes**	**90**	**5.177**	**0.8388**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Fluoride (mg/L)	MW-200	0.12	n/a	11/12/2019	0.072	No	90	n/a	n/a	97.78	n/a	n/a	0.0002381	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-201**	**0.12**	**n/a**	**11/12/2019**	**0.57**	**Yes**	**90**	**n/a**	**n/a**	**97.78**	**n/a**	**n/a**	**0.0002381**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	MW-206	0.12	n/a	11/12/2019	0.045	No	90	n/a	n/a	97.78	n/a	n/a	0.0002381	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-200**	**5**	**n/a**	**11/12/2019**	**100**	**Yes**	**89**	**n/a**	**n/a**	**75.28**	**n/a**	**n/a**	**0.0002443**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-201**	**5**	**n/a**	**11/12/2019**	**93**	**Yes**	**89**	**n/a**	**n/a**	**75.28**	**n/a**	**n/a**	**0.0002443**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-206**	**5**	**n/a**	**11/12/2019**	**260**	**Yes**	**89**	**n/a**	**n/a**	**75.28**	**n/a**	**n/a**	**0.0002443**	**NP Inter (NDs) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-200**	**110**	**n/a**	**11/12/2019**	**1000**	**Yes**	**90**	**n/a**	**n/a**	**30**	**n/a**	**n/a**	**0.0002381**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-201**	**110**	**n/a**	**11/12/2019**	**670**	**Yes**	**90**	**n/a**	**n/a**	**30**	**n/a**	**n/a**	**0.0002381**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-206**	**110**	**n/a**	**11/12/2019**	**1900**	**Yes**	**90**	**n/a**	**n/a**	**30**	**n/a**	**n/a**	**0.0002381**	**NP Inter (normality) 1 of 2**

Exceeds Limit: MW-200, MW-201, MW-206

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 90 background values. 90% NDs. Annual per-constituent alpha = 0.001428. Individual comparison alpha = 0.0002381 (1 of 2). Comparing 3 points to limit.

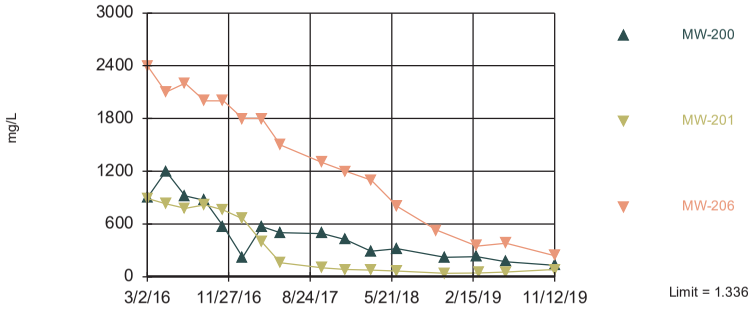
Constituent: Boron Analysis Run 3/7/2020 4:55 PM View: PL's Interwell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Exceeds Limit: MW-200, MW-201, MW-206

Prediction Limit

Interwell Parametric



Background Data Summary (based on cube root transformation): Mean=0.8908, Std. Dev.=0.1251, n=90. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9656, critical = 0.961. Kappa = 1.682 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.002505. Comparing 3 points to limit.

Constituent: Calcium Analysis Run 3/7/2020 4:55 PM View: PL's Interwell 200 Series

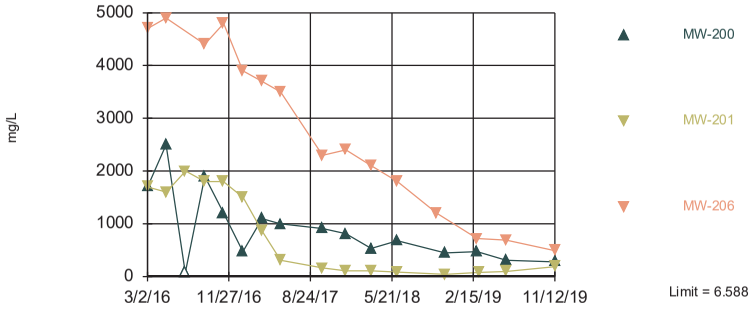
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Hollow symbols indicate censored values.

Exceeds Limit: MW-200, MW-201, MW-206

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=5.177, Std. Dev.=0.8388, n=90. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9674, critical = 0.961. Kappa = 1.682 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.002505. Comparing 3 points to limit.

Constituent: Chloride Analysis Run 3/7/2020 4:55 PM View: PL's Interwell 200 Series

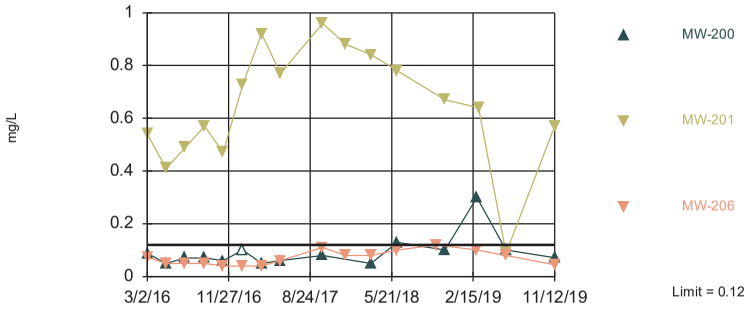
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Hollow symbols indicate censored values.

Exceeds Limit: MW-201

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 90 background values. 97.78% NDs. Annual per-constituent alpha = 0.001428. Individual comparison alpha = 0.0002381 (1 of 2). Comparing 3 points to limit.

Constituent: Fluoride Analysis Run 3/7/2020 4:55 PM View: PL's Interwell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/7/2020 4:57 PM View: PL's Interwell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-201	MW-206	MW-200
2/29/2016	<0.05	<0.05	<0.05	<0.05					
3/1/2016					<0.05	<0.05			
3/2/2016							33	82	32
5/2/2016	<0.05	<0.05	<0.05			<0.05			
5/3/2016					<0.05			100	38
5/4/2016				<0.05			30		
7/5/2016	<0.05	<0.05	<0.05		<0.05	<0.05		150	42
7/6/2016							35		
7/8/2016				<0.05					
9/6/2016	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
9/8/2016							38	66	36
11/7/2016	<0.05	<0.05	<0.05		<0.05	<0.05			
11/8/2016							39		
11/9/2016								81	25
11/10/2016				<0.05					
1/9/2017	<0.05	<0.05	<0.05		<0.05	<0.05			
1/11/2017				<0.05					
1/12/2017								68	9.1
1/13/2017							34		
3/13/2017	<0.05	0.022 (J)	<0.05		<0.05	<0.05			
3/14/2017				<0.05					
3/16/2017							21		
3/17/2017								72	28
5/15/2017	<0.05	<0.05	<0.05		<0.05	<0.05			
5/16/2017									21
5/17/2017							10	67	
5/18/2017				<0.05					
10/2/2017	<0.05	0.023 (J)	<0.05		<0.05	<0.05			
10/3/2017								52	
10/4/2017							6		18
10/5/2017				<0.05					
12/20/2017							4.9 (R)	51	16 (R)
3/12/2018	<0.05	<0.05	<0.05		<0.05	<0.05			
3/13/2018									10
3/14/2018				<0.05			4.4	48	
6/5/2018	<0.05	<0.05	<0.05						
6/6/2018					<0.05	<0.05			
6/8/2018								40	12
6/9/2018							4.1		
6/10/2018				<0.05					
10/16/2018	<0.05	<0.05	<0.05						
10/17/2018					<0.05	<0.05		25	
10/18/2018				0.081					
11/13/2018									9.1
11/14/2018							2.3		
2/27/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
2/28/2019								20	8.5
3/5/2019							2.1		
5/31/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
6/4/2019							5.2	19	11
11/6/2019	0.017 (V)	0.022 (V)	0.016 (V)	0.016 (V)	0.011 (V)	0.0099 (J)			
11/12/2019							4.5	14	5.3

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 3/7/2020 4:57 PM View: PL's Interwell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-201	MW-206	MW-200
2/29/2016	1	1.4	0.67	1 (J)					
3/1/2016					0.6	1.5			
3/2/2016							890	2400	900
5/2/2016	0.78	1.1	0.58			0.83			
5/3/2016					0.55			2100	1200
5/4/2016				0.62			830		
7/5/2016	0.65	0.94	0.43		0.53	1.6		2200	920
7/6/2016							780		
7/8/2016				0.4					
9/6/2016	0.7	1	0.48	0.45	0.5	1.6			
9/8/2016							820	2000	870
11/7/2016	0.8	1.2	0.56		0.68	1.5			
11/8/2016							760		
11/9/2016								2000	570
11/10/2016				0.44					
1/9/2017	0.74	1.2	0.43		0.56	0.98			
1/11/2017				0.42					
1/12/2017								1800	220
1/13/2017							660		
3/13/2017	0.78	1.3	0.48		0.62	0.75			
3/14/2017				0.42					
3/16/2017							400		
3/17/2017								1800	570
5/15/2017	0.76	1	0.37		0.58	0.83			
5/16/2017									500
5/17/2017							160	1500	
5/18/2017				0.38					
10/2/2017	0.78	1.2	0.47		0.62	0.83			
10/3/2017								1300	
10/4/2017							100		490
10/5/2017				0.39					
12/20/2017							82 (R)	1200	420 (R)
3/12/2018	0.88	1.4	0.49		0.59	0.71			
3/13/2018									290
3/14/2018				0.49			75	1100	
6/5/2018	0.9	1.2	0.49						
6/6/2018					0.59	0.68			
6/8/2018								800	320
6/9/2018							64		
6/10/2018				0.39					
10/16/2018	0.86	1.4	0.42						
10/17/2018					0.54	0.66		530	
10/18/2018				0.41					
11/13/2018									220
11/14/2018							38		
2/27/2019	0.96	1.3	0.56	0.44	0.63	0.7			
2/28/2019								350	230
3/5/2019							43		
5/31/2019	0.76	1.1	0.33	0.28	0.45	0.52			
6/4/2019							54	380 (D)	170
11/6/2019	0.88	1.2	0.49	0.46	0.55	0.74			
11/12/2019							82	240	130

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/7/2020 4:57 PM View: PL's Interwell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-201	MW-200	MW-206
2/29/2016	5.3	7.4	8.1	5.4					
3/1/2016					5.6	4			
3/2/2016							1700	1700	4700
5/2/2016	4.4	6.3	6			3.6			
5/3/2016					5.1			2500	4900
5/4/2016				4.5			1600		
7/5/2016	4.2	4.8	5.2		4.7	3.6		<140 (*)	360 (o)
7/6/2016							2000		
7/8/2016				4.9					
9/6/2016	4.3	6	5.5	4.3	4.4	4			
9/8/2016							1800	1900	4400
11/7/2016	4.2	5.7	5.4		4.6	4.4			
11/8/2016							1800		
11/9/2016								1200	4800
11/10/2016				4.5					
1/9/2017	5.3	6.8	6.1		5.3	4.4			
1/11/2017				5.3					
1/12/2017								470	3900
1/13/2017							1500		
3/13/2017	5.2	6.8	5.5		5.6	4.1			
3/14/2017				5.5					
3/16/2017							870		
3/17/2017								1100	3700
5/15/2017	4.8	6.1	4.7		5.2	3.7			
5/16/2017								1000	
5/17/2017							310		3500
5/18/2017				5					
10/2/2017	5.5	6	6.1		5.5	4.8			
10/3/2017									2300
10/4/2017							160	910	
10/5/2017				5.6					
12/20/2017							110 (R)	810 (R)	2400
3/12/2018	5.3	5.9	6.1		5.6	4			
3/13/2018								530	
3/14/2018				5.2			110		2100
6/5/2018	5.3	6.5	5.5						
6/6/2018					5.6	4.1			
6/8/2018								680	1800
6/9/2018							86		
6/10/2018				5.2					
10/16/2018	5.5	5.9	5.1						
10/17/2018					5.5	3.7			1200
10/18/2018				5.2					
11/13/2018								450	
11/14/2018							41		
2/27/2019	4.6	4.3	5	5.1	5.1	4			
2/28/2019								470	720
3/5/2019							75		
5/31/2019	5.1	4.5	5.4	5	5.4	3.7			
6/4/2019							98	310	690
11/6/2019	5.8	5.7	6.1	6	5.9	4.7			
11/12/2019							190	280	490

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/7/2020 4:57 PM View: PL's Interwell 200 Series

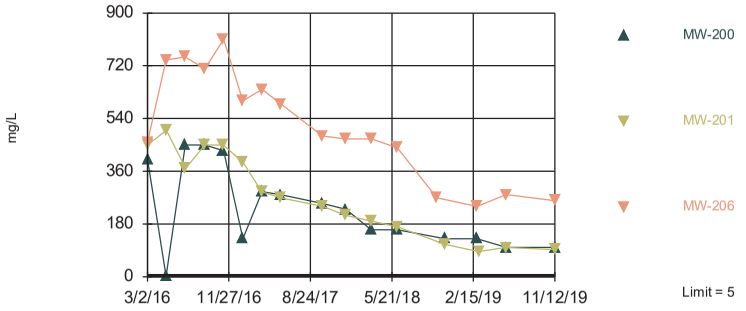
Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-201	MW-206	MW-200
2/29/2016	<0.1	<0.1	<0.1	<0.1					
3/1/2016					<0.1	0.033 (J)			
3/2/2016							0.54	0.074 (J)	0.088 (J)
5/2/2016	<0.1	<0.1	<0.1			<0.1			
5/3/2016					<0.1			0.05 (J)	0.05 (J)
5/4/2016				<0.1			0.41		
7/5/2016	<0.1	<0.1	<0.1		<0.1	<0.1		0.05 (J)	0.07 (J)
7/6/2016							0.49		
7/8/2016				<0.1					
9/6/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
9/8/2016							0.57	0.05 (J)	0.07 (J)
11/7/2016	<0.1	<0.1	<0.1		<0.1	<0.1			
11/8/2016							0.47		
11/9/2016								0.04 (J)	0.06 (J)
11/10/2016				<0.1					
1/9/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
1/11/2017				<0.1					
1/12/2017								0.04 (J)	<0.1
1/13/2017							0.73		
3/13/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
3/14/2017				<0.1					
3/16/2017							0.92		
3/17/2017								0.04 (J)	0.05 (J)
5/15/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
5/16/2017									0.06 (J)
5/17/2017							0.77	0.06 (J)	
5/18/2017				<0.1					
10/2/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
10/3/2017								0.11	
10/4/2017							0.96		0.08 (J)
10/5/2017				<0.1					
12/20/2017							0.88 (R)	0.08 (I)	
3/12/2018	<0.1	<0.1	<0.1		<0.1	<0.1			
3/13/2018									0.05 (J)
3/14/2018				0.12			0.84	0.08 (J)	
6/5/2018	<0.1	<0.1	<0.1						
6/6/2018					<0.1	<0.1			
6/8/2018								0.1	0.13
6/9/2018							0.78		
6/10/2018				<0.1					
10/16/2018	<0.1	<0.1	<0.1						
10/17/2018					<0.1	<0.1		0.12	
10/18/2018				<0.1					
11/13/2018									0.1
11/14/2018							0.67		
2/27/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
2/28/2019								0.1	0.3
3/5/2019							0.64		
5/31/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
6/4/2019							0.09 (J)	0.08 (J)	<0.1
11/6/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
11/12/2019							0.57	0.045 (J)	0.072 (J)

Exceeds Limit: MW-200, MW-201, MW-206

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 89 background values. 75.28% NDs. Annual per-constituent alpha = 0.001465. Individual comparison alpha = 0.0002443 (1 of 2). Comparing 3 points to limit.

Constituent: Sulfate Analysis Run 3/7/2020 4:55 PM View: PL's Interwell 200 Series

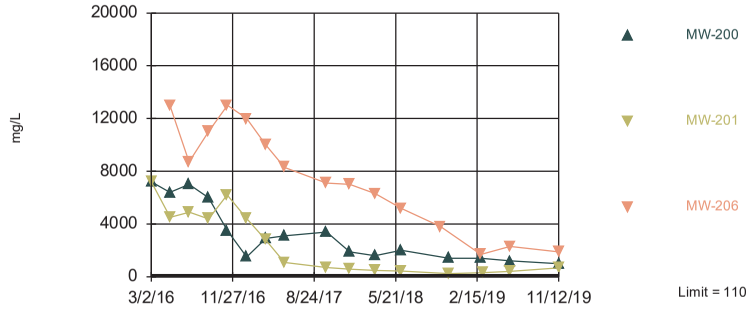
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Exceeds Limit: MW-200, MW-201, MW-206

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 90 background values. 30% NDs. Annual per-constituent alpha = 0.001428. Individual comparison alpha = 0.0002381 (1 of 2). Comparing 3 points to limit.

Constituent: Total Dissolved Solids Analysis Run 3/7/2020 4:55 PM View: PL's Interwell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/7/2020 4:57 PM View: PL's Interwell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-101 (bg)	MW-107 (bg)	MW-306 (bg)	MW-307 (bg)	MW-201	MW-206	MW-200
2/29/2016	<5	1.6 (J)	<5	<5					
3/1/2016					<5	<5			
3/2/2016							450	460	400
5/2/2016	15 (o)	2.1 (J)		<5		<5			
5/3/2016					<5			740	2.2 (J)
5/4/2016			<5				500		
7/5/2016	<5	2 (J)		<5	<5	<5		750	450 (J)
7/6/2016							370		
7/8/2016			<5						
9/6/2016	<5	1.8 (J)	<5	<5	<5	3.7 (J)			
9/8/2016							450	710	450
11/7/2016	<5	1.7 (J)		<5	<5	<5			
11/8/2016							450		
11/9/2016								810	430
11/10/2016			<5						
1/9/2017	<5	1.5 (J)		2.6 (J)	<5	<5			
1/11/2017			<5						
1/12/2017								600	130
1/13/2017							390		
3/13/2017	2.5 (J)	2.2 (J)		<5	<5	<5			
3/14/2017			<5						
3/16/2017							290		
3/17/2017								640	290
5/15/2017	<5	1.9 (J)		<5	<5	<5			
5/16/2017									280
5/17/2017							270	590	
5/18/2017			<5 (X)						
10/2/2017	<5	3.4 (J)		<5	1.5 (J)	1.7 (J)			
10/3/2017								480	
10/4/2017							240		250
10/5/2017			<5						
12/20/2017							210 (R)	470	230 (R)
3/12/2018	<5	2.6 (J)		<5	<5	<5			
3/13/2018									160
3/14/2018			<5				190	470	
6/5/2018	<5	2.6 (J)		<5					
6/6/2018					<5	<5			
6/8/2018								440	160
6/9/2018							170		
6/10/2018			1.5 (J)						
10/16/2018	<5	2.8 (J)		<5					
10/17/2018					<5	<5		270	
10/18/2018			<5						
11/13/2018									130
11/14/2018							110		
2/27/2019	<5	2.4 (J)	1.9 (J)	<5	<5	<5			
2/28/2019								240	130
3/5/2019							86		
5/31/2019	<5	3.3 (J)	<5	<5	<5	<5			
6/4/2019							100	280	100
11/6/2019	<5	3.7 (J)	<5	<5	<5	<5			
11/12/2019							93	260	100

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 3/7/2020 4:57 PM View: PL's Interwell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-201	MW-200	MW-206
2/29/2016	20	12	<5	20					
3/1/2016					10	<5			
3/2/2016							7200	7200	32000 (o)
5/2/2016	<5	6	<5			36			
5/3/2016					<5			6400	13000
5/4/2016				6			4500		
7/5/2016	12	<5	14		<5	<5		7000	8700
7/6/2016							4900		
7/8/2016				6					
9/6/2016	36	38	30	36	36	44			
9/8/2016							4400	6000	11000 (Q)
11/7/2016	18	<5	8		<5	30			
11/8/2016							6200		
11/9/2016								3500	13000
11/10/2016				16					
1/9/2017	4 (J)	14	<5		<5	12			
1/11/2017				38					
1/12/2017								1500	12000
1/13/2017							4400		
3/13/2017	6	8	<5		22	20			
3/14/2017				<5					
3/16/2017							2800		
3/17/2017								2900	10000
5/15/2017	<5	<5	<5		6	4 (J)			
5/16/2017								3100	
5/17/2017							1100		8300
5/18/2017				10					
10/2/2017	<5	6	<5		16	24			
10/3/2017									7100
10/4/2017							700	3400	
10/5/2017				<5					
12/20/2017							590 (R)	1900 (R)	7000
3/12/2018	18	<5	14		<5	<5			
3/13/2018								1600	
3/14/2018				8			490		6300
6/5/2018	10	14	<5						
6/6/2018					20	16			
6/8/2018								2000	5200
6/9/2018							430		
6/10/2018				8					
10/16/2018	32	6	12						
10/17/2018					44	44			3800
10/18/2018				28					
11/13/2018								1400	
11/14/2018							230		
2/27/2019	110	110	54	68	20	28			
2/28/2019								1400	1700
3/5/2019							300		
5/31/2019	46	26	8	<5	32	18			
6/4/2019							400	1200	2300
11/6/2019	<5	<5	4 (J)	10	24	20			
11/12/2019							670	1000	1900

300 Series

Intrawell Prediction Limit Summary - 300 Series Wells All Results (No Significant)

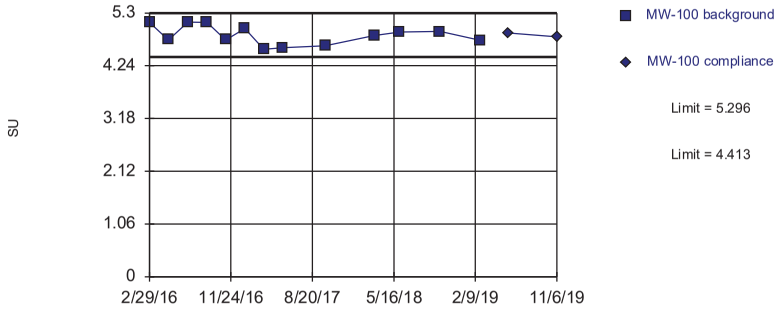
Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/7/2020, 5:14 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	MW-100	5.296	4.413	11/6/2019	4.82	No	13	4.855	0.1936	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-101	5.543	4.367	11/6/2019	4.94	No	13	4.955	0.258	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-107	5.461	4.357	11/6/2019	4.88	No	13	4.909	0.2421	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-108	5.218	4.328	11/6/2019	4.78	No	12	4.773	0.1917	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-306	5.478	4.584	11/6/2019	5.04	No	13	5.031	0.1961	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-307	6.609	4.991	11/6/2019	5.52	No	13	5.8	0.3549	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-300	5.229	4.305	11/11/2019	4.77	No	14	4.767	0.2067	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-303	7.152	5.968	11/11/2019	6.68	No	14	6.56	0.2649	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-304	6.401	4.549	11/11/2019	5.18	No	14	5.475	0.4141	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-305	5.367	4.441	11/11/2019	4.9	No	14	4.904	0.2071	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-308	6.805	5.551	11/11/2019	6.75	No	14	6.178	0.2805	0	None	No	0.000752	Param Intra 1 of 2

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.855, Std. Dev.=0.1936, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9274, critical = 0.814. Kappa = 2.279 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 3/7/2020 5:12 PM View: PL's Intrawell 300 Series

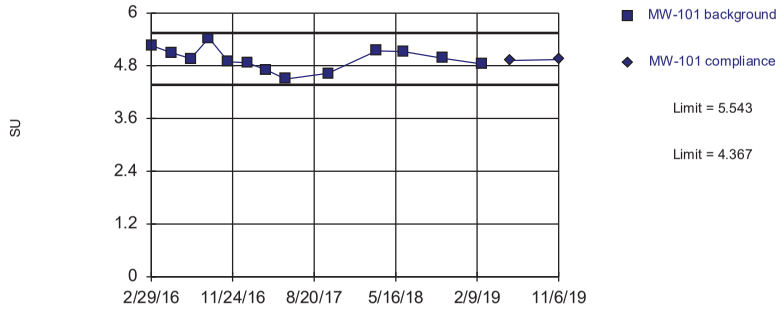
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.955, Std. Dev.=0.258, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9894, critical = 0.814. Kappa = 2.279 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 3/7/2020 5:12 PM View: PL's Intrawell 300 Series

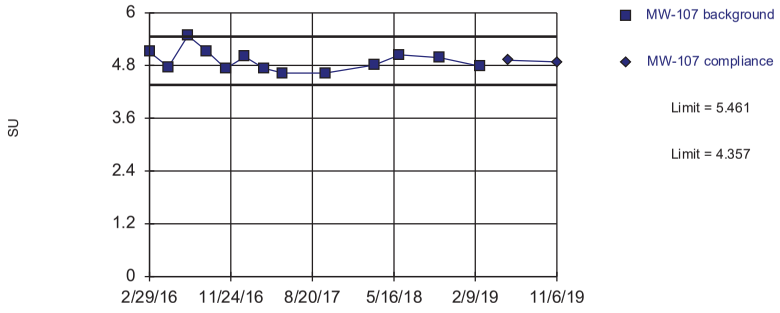
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.909, Std. Dev.=0.2421, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9038, critical = 0.814. Kappa = 2.279 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 3/7/2020 5:12 PM View: PL's Intrawell 300 Series

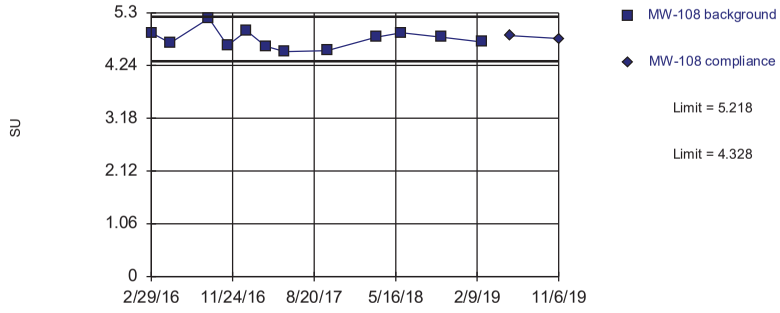
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.773, Std. Dev.=0.1917, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9468, critical = 0.805. Kappa = 2.322 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 3/7/2020 5:12 PM View: PL's Intrawell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Prediction Limit

Constituent: Field pH (SU) Analysis Run 3/7/2020 5:14 PM View: PL's Intrawell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100	MW-100
2/29/2016	5.11	
5/2/2016	4.76	
7/5/2016	5.12	
9/6/2016	5.11	
11/7/2016	4.76	
1/9/2017	4.99	
3/13/2017	4.57	
5/15/2017	4.6	
10/2/2017	4.64	
3/12/2018	4.85	
6/5/2018	4.92	
10/16/2018	4.93	
2/27/2019	4.75	
5/31/2019		4.9
11/6/2019		4.82

Prediction Limit

Constituent: Field pH (SU) Analysis Run 3/7/2020 5:14 PM View: PL's Intrawell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-101	MW-101
2/29/2016	5.26	
5/4/2016	5.1	
7/8/2016	4.96	
9/6/2016	5.43	
11/10/2016	4.89	
1/11/2017	4.87	
3/14/2017	4.71	
5/18/2017	4.5	
10/5/2017	4.63	
3/14/2018	5.14	
6/10/2018	5.12	
10/18/2018	4.97	
2/27/2019	4.84	
5/31/2019		4.92
11/6/2019		4.94

Prediction Limit

Constituent: Field pH (SU) Analysis Run 3/7/2020 5:14 PM View: PL's Intrawell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-107	MW-107
2/29/2016	5.11	
5/2/2016	4.77	
7/5/2016	5.48	
9/6/2016	5.12	
11/7/2016	4.73	
1/9/2017	5	
3/13/2017	4.74	
5/15/2017	4.63	
10/2/2017	4.63	
3/12/2018	4.81	
6/5/2018	5.04	
10/16/2018	4.98	
2/27/2019	4.78	
5/31/2019		4.92
11/6/2019		4.88

Prediction Limit

Constituent: Field pH (SU) Analysis Run 3/7/2020 5:14 PM View: PL's Intrawell 300 Series

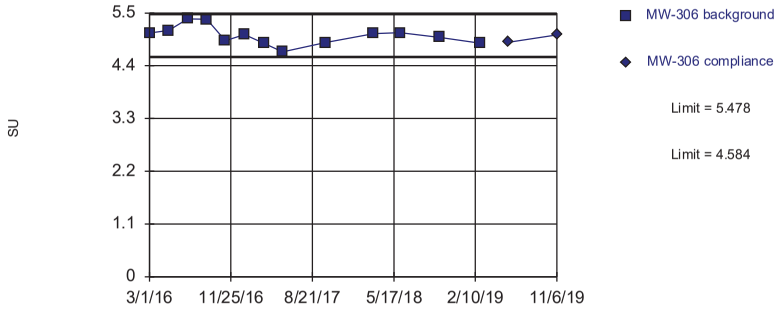
Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-108	MW-108
2/29/2016	4.9	
5/2/2016	4.69	
7/5/2016	7.11 (o)	
9/6/2016	5.19	
11/7/2016	4.64	
1/9/2017	4.94	
3/13/2017	4.63	
5/15/2017	4.52	
10/2/2017	4.54	
3/12/2018	4.81	
6/5/2018	4.9	
10/16/2018	4.81	
2/27/2019	4.71	
5/31/2019		4.84
11/6/2019		4.78

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.031, Std. Dev.=0.1961, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9411, critical = 0.814. Kappa = 2.279 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 3/7/2020 5:12 PM View: PL's Intrawell 300 Series

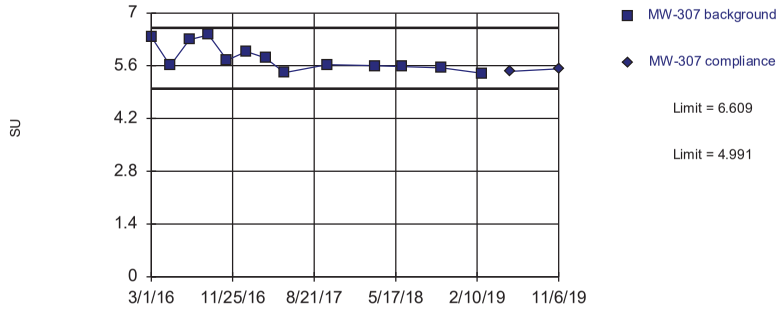
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.8, Std. Dev.=0.3549, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8636, critical = 0.814. Kappa = 2.279 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 3/7/2020 5:12 PM View: PL's Intrawell 300 Series

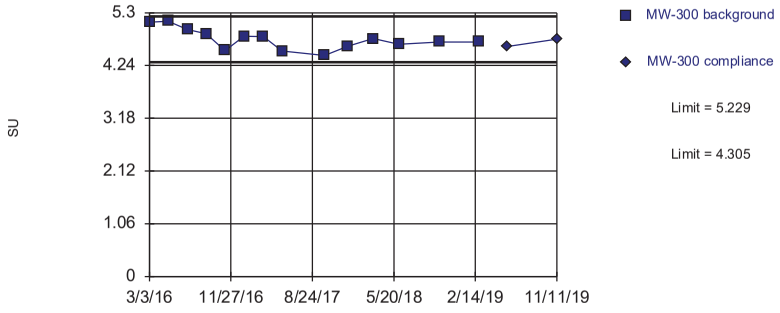
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.767, Std. Dev.=0.2067, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.966, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 3/7/2020 5:12 PM View: PL's Intrawell 300 Series

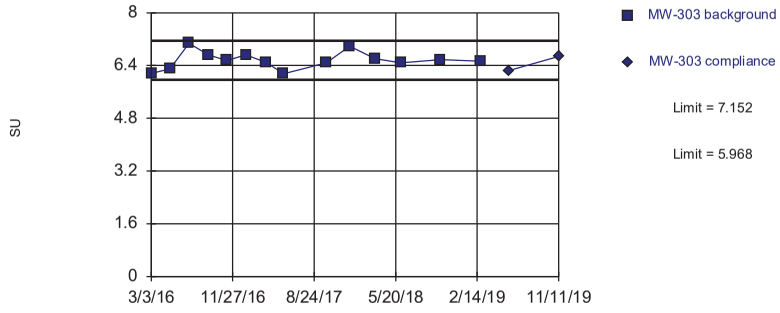
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.56, Std. Dev.=0.2649, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.943, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 3/7/2020 5:12 PM View: PL's Intrawell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Prediction Limit

Constituent: Field pH (SU) Analysis Run 3/7/2020 5:14 PM View: PL's Intrawell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306	MW-306
3/1/2016	5.08	
5/3/2016	5.14	
7/5/2016	5.38	
9/6/2016	5.37	
11/7/2016	4.92	
1/9/2017	5.05	
3/13/2017	4.87	
5/15/2017	4.69	
10/2/2017	4.88	
3/12/2018	5.07	
6/6/2018	5.09	
10/17/2018	4.99	
2/27/2019	4.87	
5/31/2019		4.89
11/6/2019		5.04

Prediction Limit

Constituent: Field pH (SU) Analysis Run 3/7/2020 5:14 PM View: PL's Intrawell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-307	MW-307
3/1/2016	6.37	
5/2/2016	5.605 (D)	
7/5/2016	6.29	
9/6/2016	6.42	
11/7/2016	5.75	
1/9/2017	5.98	
3/13/2017	5.81	
5/15/2017	5.42	
10/2/2017	5.63	
3/12/2018	5.6	
6/6/2018	5.58	
10/17/2018	5.54	
2/27/2019	5.4	
5/31/2019		5.45
11/6/2019		5.52

Prediction Limit

Constituent: Field pH (SU) Analysis Run 3/7/2020 5:14 PM View: PL's Intrawell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-300	MW-300
3/3/2016	5.11	
5/4/2016	5.13	
7/7/2016	4.96	
9/7/2016	4.88	
11/8/2016	4.54	
1/10/2017	4.83	
3/15/2017	4.82	
5/16/2017	4.53	
10/3/2017	4.44	
12/20/2017	4.63	
3/13/2018	4.78	
6/6/2018	4.67	
10/18/2018	4.71	
2/28/2019	4.71	
5/31/2019		4.62
11/11/2019		4.77

Prediction Limit

Constituent: Field pH (SU) Analysis Run 3/7/2020 5:14 PM View: PL's Intrawell 300 Series

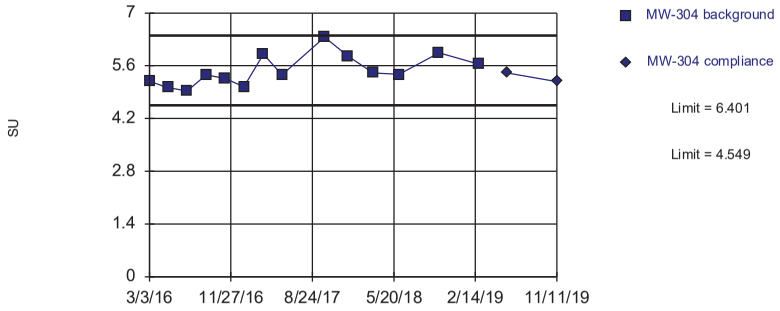
Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-303	MW-303
3/3/2016	6.16	
5/4/2016	6.3	
7/6/2016	7.07	
9/8/2016	6.72	
11/8/2016	6.55	
1/10/2017	6.72	
3/16/2017	6.5	
5/15/2017	6.15	
10/3/2017	6.48	
12/20/2017	6.99 (R)	
3/13/2018	6.61	
6/7/2018	6.48	
10/17/2018	6.58	
2/28/2019	6.53	
5/31/2019		6.25
11/11/2019		6.68

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.475, Std. Dev.=0.4141, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9337, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 3/7/2020 5:12 PM View: PL's Intrawell 300 Series

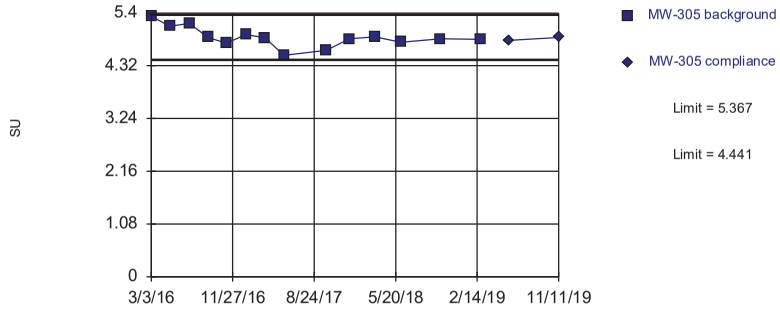
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.904, Std. Dev.=0.2071, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.946, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 3/7/2020 5:12 PM View: PL's Intrawell 300 Series

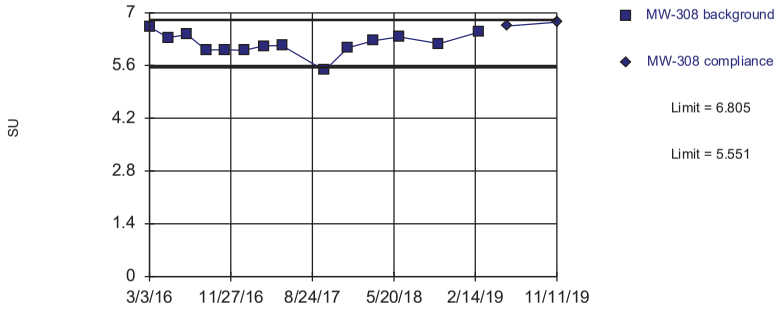
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.178, Std. Dev.=0.2805, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9279, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 3/7/2020 5:12 PM View: PL's Intrawell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Prediction Limit

Constituent: Field pH (SU) Analysis Run 3/7/2020 5:14 PM View: PL's Intrawell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-304	MW-304
3/3/2016	5.185 (D)	
5/4/2016	5.02 (D)	
7/6/2016	4.93	
9/7/2016	5.36	
11/8/2016	5.26	
1/10/2017	5.04	
3/15/2017	5.91	
5/16/2017	5.36	
10/3/2017	6.36	
12/20/2017	5.86	
3/13/2018	5.41	
6/7/2018	5.37	
10/17/2018	5.94	
2/28/2019	5.64	
5/31/2019		5.41
11/11/2019		5.18

Prediction Limit

Constituent: Field pH (SU) Analysis Run 3/7/2020 5:14 PM View: PL's Intrawell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-305
3/3/2016	5.33	
5/4/2016	5.13	
7/7/2016	5.19	
9/7/2016	4.9	
11/7/2016	4.78	
1/10/2017	4.96	
3/15/2017	4.89	
5/16/2017	4.53	
10/3/2017	4.64	
12/20/2017	4.87	
3/13/2018	4.91	
6/7/2018	4.8	
10/17/2018	4.87	
2/28/2019	4.86	
5/31/2019		4.84
11/11/2019		4.9

Prediction Limit

Constituent: Field pH (SU) Analysis Run 3/7/2020 5:14 PM View: PL's Intrawell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-308	MW-308
3/3/2016	6.62 (D)	
5/4/2016	6.345 (D)	
7/6/2016	6.42	
9/7/2016	6.01	
11/8/2016	6.02	
1/10/2017	6	
3/16/2017	6.12	
5/16/2017	6.13	
10/3/2017	5.47	
12/20/2017	6.07 (R)	
3/13/2018	6.26	
6/7/2018	6.36	
10/17/2018	6.18	
2/27/2019	6.49	
5/31/2019		6.65
11/11/2019		6.75

Interwell Prediction Limit Summary - 300 Series Wells Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/7/2020, 5:11 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-303	0.081	n/a	11/11/2019	9.7	Yes	90	n/a	n/a	90	n/a	n/a	0.0002377	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-304	0.081	n/a	11/11/2019	10	Yes	90	n/a	n/a	90	n/a	n/a	0.0002377	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-308	0.081	n/a	11/11/2019	16	Yes	90	n/a	n/a	90	n/a	n/a	0.0002377	NP Inter (NDs) 1 of 2
Calcium (mg/L)	MW-303	1.394	n/a	11/11/2019	73	Yes	90	0.8908	0.1251	0	None	x^(1/3)	0.001504	Param Inter 1 of 2
Calcium (mg/L)	MW-304	1.394	n/a	11/11/2019	82	Yes	90	0.8908	0.1251	0	None	x^(1/3)	0.001504	Param Inter 1 of 2
Calcium (mg/L)	MW-305	1.394	n/a	11/11/2019	1.6	Yes	90	0.8908	0.1251	0	None	x^(1/3)	0.001504	Param Inter 1 of 2
Calcium (mg/L)	MW-308	1.394	n/a	11/11/2019	63	Yes	90	0.8908	0.1251	0	None	x^(1/3)	0.001504	Param Inter 1 of 2
Chloride (mg/L)	MW-300	6.693	n/a	11/11/2019	8.4	Yes	90	5.177	0.8388	0	None	No	0.001504	Param Inter 1 of 2
Chloride (mg/L)	MW-303	6.693	n/a	11/11/2019	63	Yes	90	5.177	0.8388	0	None	No	0.001504	Param Inter 1 of 2
Chloride (mg/L)	MW-304	6.693	n/a	11/11/2019	81	Yes	90	5.177	0.8388	0	None	No	0.001504	Param Inter 1 of 2
Chloride (mg/L)	MW-305	6.693	n/a	11/11/2019	12	Yes	90	5.177	0.8388	0	None	No	0.001504	Param Inter 1 of 2
Chloride (mg/L)	MW-308	6.693	n/a	11/11/2019	62	Yes	90	5.177	0.8388	0	None	No	0.001504	Param Inter 1 of 2
Fluoride (mg/L)	MW-303	0.12	n/a	11/11/2019	0.26	Yes	90	n/a	n/a	97.78	n/a	n/a	0.0002377	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-308	0.12	n/a	11/11/2019	0.16	Yes	90	n/a	n/a	97.78	n/a	n/a	0.0002377	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-303	5	n/a	11/11/2019	230	Yes	89	n/a	n/a	75.28	n/a	n/a	0.0002438	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-304	5	n/a	11/11/2019	340	Yes	89	n/a	n/a	75.28	n/a	n/a	0.0002438	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-305	5	n/a	11/11/2019	5.5	Yes	89	n/a	n/a	75.28	n/a	n/a	0.0002438	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-308	5	n/a	11/11/2019	170	Yes	89	n/a	n/a	75.28	n/a	n/a	0.0002438	NP Inter (NDs) 1 of 2
Total Dissolved Solids (mg/L)	MW-303	110	n/a	11/11/2019	390	Yes	90	n/a	n/a	30	n/a	n/a	0.0002377	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-304	110	n/a	11/11/2019	370	Yes	90	n/a	n/a	30	n/a	n/a	0.0002377	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-308	110	n/a	11/11/2019	410	Yes	90	n/a	n/a	30	n/a	n/a	0.0002377	NP Inter (normality) 1 of 2

Interwell Prediction Limit Summary - 300 Series Wells All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/7/2020, 5:11 PM

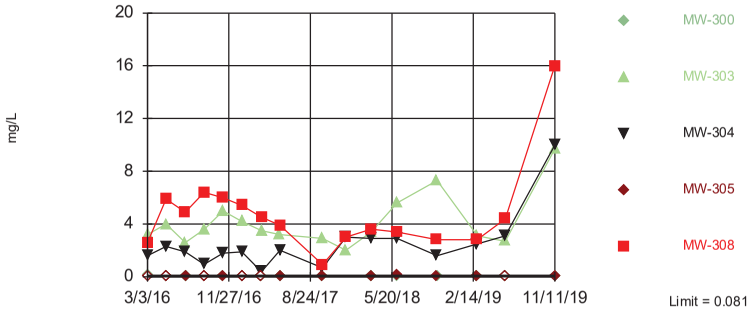
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-300	0.081	n/a	11/11/2019	0.035	No	90	n/a	n/a	90	n/a	n/a	0.0002377	NP Inter (NDs) 1 of 2
Boron (mg/L)	**MW-303**	**0.081**	**n/a**	**11/11/2019**	**9.7**	**Yes**	**90**	**n/a**	**n/a**	**90**	**n/a**	**n/a**	**0.0002377**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-304**	**0.081**	**n/a**	**11/11/2019**	**10**	**Yes**	**90**	**n/a**	**n/a**	**90**	**n/a**	**n/a**	**0.0002377**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	MW-305	0.081	n/a	11/11/2019	0.036	No	90	n/a	n/a	90	n/a	n/a	0.0002377	NP Inter (NDs) 1 of 2
Boron (mg/L)	**MW-308**	**0.081**	**n/a**	**11/11/2019**	**16**	**Yes**	**90**	**n/a**	**n/a**	**90**	**n/a**	**n/a**	**0.0002377**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	MW-300	1.394	n/a	11/11/2019	0.56	No	90	0.8908	0.1251	0	None	x^(1/3)	0.001504	Param Inter 1 of 2
Calcium (mg/L)	**MW-303**	**1.394**	**n/a**	**11/11/2019**	**73**	**Yes**	**90**	**0.8908**	**0.1251**	**0**	**None**	**x^(1/3)**	**0.001504**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-304**	**1.394**	**n/a**	**11/11/2019**	**82**	**Yes**	**90**	**0.8908**	**0.1251**	**0**	**None**	**x^(1/3)**	**0.001504**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-305**	**1.394**	**n/a**	**11/11/2019**	**1.6**	**Yes**	**90**	**0.8908**	**0.1251**	**0**	**None**	**x^(1/3)**	**0.001504**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-308**	**1.394**	**n/a**	**11/11/2019**	**63**	**Yes**	**90**	**0.8908**	**0.1251**	**0**	**None**	**x^(1/3)**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-300**	**6.693**	**n/a**	**11/11/2019**	**8.4**	**Yes**	**90**	**5.177**	**0.8388**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-303**	**6.693**	**n/a**	**11/11/2019**	**63**	**Yes**	**90**	**5.177**	**0.8388**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-304**	**6.693**	**n/a**	**11/11/2019**	**81**	**Yes**	**90**	**5.177**	**0.8388**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-305**	**6.693**	**n/a**	**11/11/2019**	**12**	**Yes**	**90**	**5.177**	**0.8388**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-308**	**6.693**	**n/a**	**11/11/2019**	**62**	**Yes**	**90**	**5.177**	**0.8388**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Fluoride (mg/L)	MW-300	0.12	n/a	11/11/2019	0.1ND	No	90	n/a	n/a	97.78	n/a	n/a	0.0002377	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-303**	**0.12**	**n/a**	**11/11/2019**	**0.26**	**Yes**	**90**	**n/a**	**n/a**	**97.78**	**n/a**	**n/a**	**0.0002377**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	MW-304	0.12	n/a	11/11/2019	0.1ND	No	90	n/a	n/a	97.78	n/a	n/a	0.0002377	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-305	0.12	n/a	11/11/2019	0.1ND	No	90	n/a	n/a	97.78	n/a	n/a	0.0002377	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-308**	**0.12**	**n/a**	**11/11/2019**	**0.16**	**Yes**	**90**	**n/a**	**n/a**	**97.78**	**n/a**	**n/a**	**0.0002377**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	MW-300	5	n/a	11/11/2019	5ND	No	89	n/a	n/a	75.28	n/a	n/a	0.0002438	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-303**	**5**	**n/a**	**11/11/2019**	**230**	**Yes**	**89**	**n/a**	**n/a**	**75.28**	**n/a**	**n/a**	**0.0002438**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-304**	**5**	**n/a**	**11/11/2019**	**340**	**Yes**	**89**	**n/a**	**n/a**	**75.28**	**n/a**	**n/a**	**0.0002438**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-305**	**5**	**n/a**	**11/11/2019**	**5.5**	**Yes**	**89**	**n/a**	**n/a**	**75.28**	**n/a**	**n/a**	**0.0002438**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-308**	**5**	**n/a**	**11/11/2019**	**170**	**Yes**	**89**	**n/a**	**n/a**	**75.28**	**n/a**	**n/a**	**0.0002438**	**NP Inter (NDs) 1 of 2**
Total Dissolved Solids (mg/L)	MW-300	110	n/a	11/11/2019	66	No	90	n/a	n/a	30	n/a	n/a	0.0002377	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-303**	**110**	**n/a**	**11/11/2019**	**390**	**Yes**	**90**	**n/a**	**n/a**	**30**	**n/a**	**n/a**	**0.0002377**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-304**	**110**	**n/a**	**11/11/2019**	**370**	**Yes**	**90**	**n/a**	**n/a**	**30**	**n/a**	**n/a**	**0.0002377**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	MW-305	110	n/a	11/11/2019	38	No	90	n/a	n/a	30	n/a	n/a	0.0002377	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-308**	**110**	**n/a**	**11/11/2019**	**410**	**Yes**	**90**	**n/a**	**n/a**	**30**	**n/a**	**n/a**	**0.0002377**	**NP Inter (normality) 1 of 2**

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-303, MW-304, MW-308

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 90 background values. 90% NDs. Annual per-constituent alpha = 0.002374. Individual comparison alpha = 0.0002377 (1 of 2). Comparing 5 points to limit.

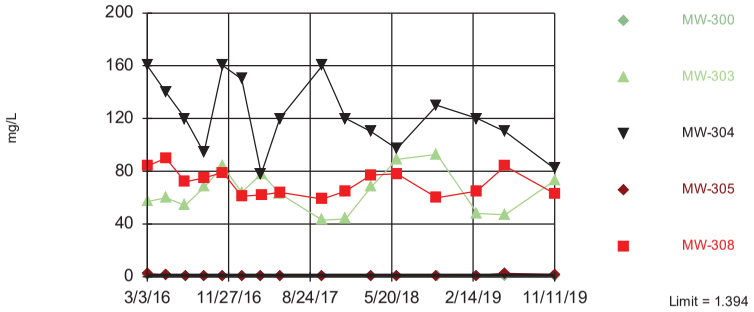
Constituent: Boron Analysis Run 3/7/2020 5:09 PM View: PL's Interwell 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Exceeds Limit: MW-303, MW-304, MW-305, MW-308

Prediction Limit

Interwell Parametric



Background Data Summary (based on cube root transformation): Mean=0.8908, Std. Dev.=0.1251, n=90. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9656, critical = 0.961. Kappa = 1.808 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.001504. Comparing 5 points to limit.

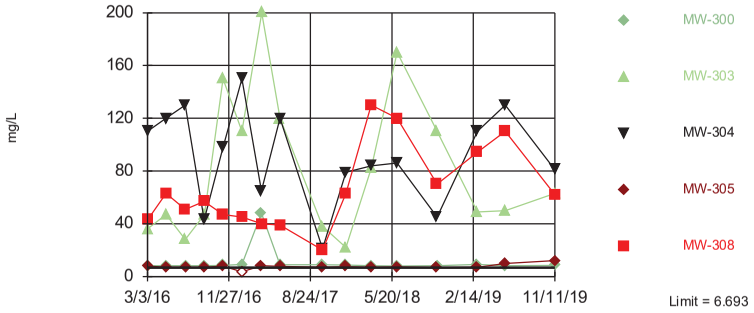
Constituent: Calcium Analysis Run 3/7/2020 5:09 PM View: PL's Interwell 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-300, MW-303, MW-304, MW-305, MW-308

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=5.177, Std. Dev.=0.8388, n=90. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9674, critical = 0.961. Kappa = 1.808 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.001504. Comparing 5 points to limit.

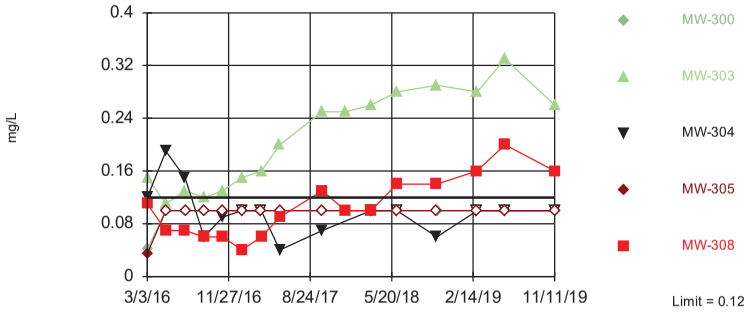
Constituent: Chloride Analysis Run 3/7/2020 5:09 PM View: PL's Interwell 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-303, MW-308

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 90 background values. 97.78% NDs. Annual per-constituent alpha = 0.002374. Individual comparison alpha = 0.0002377 (1 of 2). Comparing 5 points to limit.

Constituent: Fluoride Analysis Run 3/7/2020 5:09 PM View: PL's Interwell 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/7/2020 5:11 PM View: PL's Interwell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-307 (bg)	MW-306 (bg)	MW-303	MW-304	MW-305
2/29/2016	<0.05	<0.05	<0.05	<0.05					
3/1/2016					<0.05	<0.05			
3/3/2016							3.2	1.6	<0.05
5/2/2016	<0.05	<0.05	<0.05		<0.05				
5/3/2016						<0.05			
5/4/2016				<0.05			4	2.3	<0.05 (*)
7/5/2016	<0.05	<0.05	<0.05		<0.05	<0.05			
7/6/2016							2.6	1.9	
7/7/2016									0.034 (J)
7/8/2016				<0.05					
9/6/2016	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
9/7/2016								0.95	<0.05
9/8/2016							3.6		
11/7/2016	<0.05	<0.05	<0.05		<0.05	<0.05			0.045 (J)
11/8/2016							5	1.8	
11/10/2016				<0.05					
1/9/2017	<0.05	<0.05	<0.05		<0.05	<0.05			
1/10/2017							4.2	1.9	<0.05 (*)
1/11/2017				<0.05					
3/13/2017	<0.05	0.022 (J)	<0.05		<0.05	<0.05			
3/14/2017				<0.05					
3/15/2017								0.38	<0.05
3/16/2017							3.5		
5/15/2017	<0.05	<0.05	<0.05		<0.05	<0.05	3.2		
5/16/2017								2	0.043 (J)
5/18/2017				<0.05					
10/2/2017	<0.05	0.023 (J)	<0.05		<0.05	<0.05			
10/3/2017							2.9	0.67	0.026 (J)
10/5/2017				<0.05					
12/20/2017							2	3	
3/12/2018	<0.05	<0.05	<0.05		<0.05	<0.05			
3/13/2018							3.4	2.9	0.07
3/14/2018				<0.05					
6/5/2018	<0.05	<0.05	<0.05						
6/6/2018					<0.05	<0.05			
6/7/2018							5.6	2.9	0.1
6/10/2018				<0.05					
10/16/2018	<0.05	<0.05	<0.05						
10/17/2018					<0.05	<0.05	7.3	1.6	0.074
10/18/2018				0.081					
2/27/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
2/28/2019							3.1	2.5	0.027 (J)
5/31/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	2.7	3.1	<0.05
11/6/2019	0.017 (V)	0.022 (V)	0.016 (V)	0.016 (V)	0.0099 (J)	0.011 (V)			
11/11/2019							9.7	10	0.036 (V)

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/7/2020 5:11 PM View: PL's Interwell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-308	MW-300
2/29/2016		
3/1/2016		
3/3/2016	2.6	0.11 (J)
5/2/2016		
5/3/2016		
5/4/2016	5.9	<0.05
7/5/2016		
7/6/2016	4.9	
7/7/2016		<0.05
7/8/2016		
9/6/2016		
9/7/2016	6.4	0.028 (J)
9/8/2016		
11/7/2016		
11/8/2016	6	0.025 (J)
11/10/2016		
1/9/2017		
1/10/2017	5.4	<0.05 (*)
1/11/2017		
3/13/2017		
3/14/2017		
3/15/2017		<0.05
3/16/2017	4.5	
5/15/2017		
5/16/2017	3.9	<0.05
5/18/2017		
10/2/2017		
10/3/2017	0.93	0.03 (J)
10/5/2017		
12/20/2017	3	
3/12/2018		
3/13/2018	3.6	<0.05
3/14/2018		
6/5/2018		
6/6/2018		0.024 (J)
6/7/2018	3.4	
6/10/2018		
10/16/2018		
10/17/2018	2.8	
10/18/2018		0.022 (J)
2/27/2019	2.8	
2/28/2019		<0.05
5/31/2019	4.4	<0.05
11/6/2019		
11/11/2019	16	0.035 (V)

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 3/7/2020 5:11 PM View: PL's Interwell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-307 (bg)	MW-306 (bg)	MW-303	MW-304	MW-305
2/29/2016	1	1.4	0.67	1 (J)					
3/1/2016					1.5	0.6			
3/3/2016							57	160	2.5
5/2/2016	0.78	1.1	0.58		0.83				
5/3/2016						0.55			
5/4/2016				0.62			60	140	1.1
7/5/2016	0.65	0.94	0.43		1.6	0.53			
7/6/2016							54	120	
7/7/2016									0.71
7/8/2016				0.4					
9/6/2016	0.7	1	0.48	0.45	1.6	0.5			
9/7/2016								94	0.78
9/8/2016							68		
11/7/2016	0.8	1.2	0.56		1.5	0.68			0.82
11/8/2016							84	160	
11/10/2016				0.44					
1/9/2017	0.74	1.2	0.43		0.98	0.56			
1/10/2017							64	150	0.58
1/11/2017				0.42					
3/13/2017	0.78	1.3	0.48		0.75	0.62			
3/14/2017				0.42					
3/15/2017								78	0.69
3/16/2017							78		
5/15/2017	0.76	1	0.37		0.83	0.58	63		
5/16/2017								120	0.66
5/18/2017				0.38					
10/2/2017	0.78	1.2	0.47		0.83	0.62			
10/3/2017							43	160	0.68
10/5/2017				0.39					
12/20/2017							44	120	
3/12/2018	0.88	1.4	0.49		0.71	0.59			
3/13/2018							68	110	0.65
3/14/2018				0.49					
6/5/2018	0.9	1.2	0.49						
6/6/2018					0.68	0.59			
6/7/2018							89	97	0.6
6/10/2018				0.39					
10/16/2018	0.86	1.4	0.42						
10/17/2018					0.66	0.54	93	130	0.73
10/18/2018				0.41					
2/27/2019	0.96	1.3	0.56	0.44	0.7	0.63			
2/28/2019							48	120	0.84
5/31/2019	0.76	1.1	0.33	0.28	0.52	0.45	47	110	2.6
11/6/2019	0.88	1.2	0.49	0.46	0.74	0.55			
11/11/2019							73	82	1.6 (V)

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 3/7/2020 5:11 PM View: PL's Interwell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-308	MW-300
2/29/2016		
3/1/2016		
3/3/2016	84	1 (J)
5/2/2016		
5/3/2016		
5/4/2016	90	1
7/5/2016		
7/6/2016	72	
7/7/2016		0.62
7/8/2016		
9/6/2016		
9/7/2016	75	0.6
9/8/2016		
11/7/2016		
11/8/2016	79	0.53
11/10/2016		
1/9/2017		
1/10/2017	61	0.51
1/11/2017		
3/13/2017		
3/14/2017		
3/15/2017		0.53
3/16/2017	62	
5/15/2017		
5/16/2017	64	0.48
5/18/2017		
10/2/2017		
10/3/2017	59	0.46
10/5/2017		
12/20/2017	65	
3/12/2018		
3/13/2018	77	0.46
3/14/2018		
6/5/2018		
6/6/2018		0.45
6/7/2018	78	
6/10/2018		
10/16/2018		
10/17/2018	60	
10/18/2018		0.48
2/27/2019	65	
2/28/2019		0.44
5/31/2019	84	0.55
11/6/2019		
11/11/2019	63	0.56 (V)

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/7/2020 5:11 PM View: PL's Interwell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-307 (bg)	MW-306 (bg)	MW-300	MW-304	MW-305
2/29/2016	5.3	7.4	8.1	5.4					
3/1/2016					4	5.6			
3/3/2016							8.2	110	7.9
5/2/2016	4.4	6.3	6		3.6				
5/3/2016						5.1			
5/4/2016				4.5			8.2	120	7
7/5/2016	4.2	4.8	5.2		3.6	4.7			
7/6/2016								130	
7/7/2016							8.3		7.1
7/8/2016				4.9					
9/6/2016	4.3	6	5.5	4.3	4	4.4			
9/7/2016							8.1	43	6.9
9/8/2016									
11/7/2016	4.2	5.7	5.4		4.4	4.6			8
11/8/2016							8.5	98	
11/10/2016				4.5					
1/9/2017	5.3	6.8	6.1		4.4	5.3			
1/10/2017							9.1	150	<7.4 (*)
1/11/2017				5.3					
3/13/2017	5.2	6.8	5.5		4.1	5.6			
3/14/2017				5.5					
3/15/2017							48	65	8.1
3/16/2017									
5/15/2017	4.8	6.1	4.7		3.7	5.2			
5/16/2017							8.9	120	7.8
5/18/2017				5					
10/2/2017	5.5	6	6.1		4.8	5.5			
10/3/2017							8.9	21	7.1
10/5/2017				5.6					
12/20/2017							8.8	79	7.6
3/12/2018	5.3	5.9	6.1		4	5.6			
3/13/2018							8.3	84	6.9
3/14/2018				5.2					
6/5/2018	5.3	6.5	5.5						
6/6/2018					4.1	5.6	8		
6/7/2018								86	7.3
6/10/2018				5.2					
10/16/2018	5.5	5.9	5.1						
10/17/2018					3.7	5.5		45	6.8
10/18/2018				5.2			8.1		
2/27/2019	4.6	4.3	5	5.1	4	5.1			
2/28/2019							9.1	110	7.1
5/31/2019	5.1	4.5	5.4	5	3.7	5.4	8.2	130	9.8
11/6/2019	5.8	5.7	6.1	6	4.7	5.9			
11/11/2019							8.4	81	12

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/7/2020 5:11 PM View: PL's Interwell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-308	MW-303
2/29/2016		
3/1/2016		
3/3/2016	43	36
5/2/2016		
5/3/2016		
5/4/2016	63	47
7/5/2016		
7/6/2016	51	28
7/7/2016		
7/8/2016		
9/6/2016		
9/7/2016	57	
9/8/2016		47
11/7/2016		
11/8/2016	47	150
11/10/2016		
1/9/2017		
1/10/2017	45	110
1/11/2017		
3/13/2017		
3/14/2017		
3/15/2017		
3/16/2017	40	200
5/15/2017		120
5/16/2017	39	
5/18/2017		
10/2/2017		
10/3/2017	20	38
10/5/2017		
12/20/2017	63	22
3/12/2018		
3/13/2018	130	82
3/14/2018		
6/5/2018		
6/6/2018		
6/7/2018	120	170
6/10/2018		
10/16/2018		
10/17/2018	70	110
10/18/2018		
2/27/2019	94	
2/28/2019		49
5/31/2019	110	50
11/6/2019		
11/11/2019	62	63

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/7/2020 5:11 PM View: PL's Interwell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-307 (bg)	MW-306 (bg)	MW-303	MW-304	MW-305
2/29/2016	<0.1	<0.1	<0.1	<0.1					
3/1/2016					0.033 (J)	<0.1			
3/3/2016							0.15	0.12	0.035 (J)
5/2/2016	<0.1	<0.1	<0.1		<0.1				
5/3/2016						<0.1			
5/4/2016				<0.1			0.11	0.19	<0.1
7/5/2016	<0.1	<0.1	<0.1		<0.1	<0.1			
7/6/2016							0.13	0.15	
7/7/2016									<0.1
7/8/2016				<0.1					
9/6/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
9/7/2016								0.06 (J)	<0.1
9/8/2016							0.12		
11/7/2016	<0.1	<0.1	<0.1		<0.1	<0.1			<0.1
11/8/2016							0.13	0.09 (J)	
11/10/2016				<0.1					
1/9/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
1/10/2017							0.15	<0.1	<0.1
1/11/2017				<0.1					
3/13/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
3/14/2017				<0.1					
3/15/2017								<0.1	<0.1
3/16/2017							0.16		
5/15/2017	<0.1	<0.1	<0.1		<0.1	<0.1	0.2		
5/16/2017								0.04 (J)	<0.1
5/18/2017				<0.1					
10/2/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
10/3/2017							0.25	0.07 (J)	<0.1
10/5/2017				<0.1					
12/20/2017							0.25		
3/12/2018	<0.1	<0.1	<0.1		<0.1	<0.1			
3/13/2018							0.26	<0.1	<0.1
3/14/2018				0.12					
6/5/2018	<0.1	<0.1	<0.1						
6/6/2018					<0.1	<0.1			
6/7/2018							0.28	<0.1	<0.1
6/10/2018				<0.1					
10/16/2018	<0.1	<0.1	<0.1						
10/17/2018					<0.1	<0.1	0.29	0.06 (J)	<0.1
10/18/2018				<0.1					
2/27/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
2/28/2019							0.28	<0.1	<0.1
5/31/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.33	<0.1	<0.1
11/6/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
11/11/2019							0.26	<0.1	<0.1

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/7/2020 5:11 PM View: PL's Interwell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

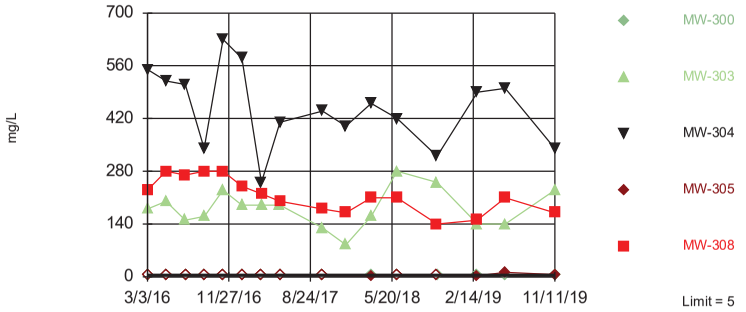
	MW-308	MW-300
2/29/2016		
3/1/2016		
3/3/2016	0.11	0.041 (J)
5/2/2016		
5/3/2016		
5/4/2016	0.07 (J)	<0.1
7/5/2016		
7/6/2016	0.07 (J)	
7/7/2016		<0.1
7/8/2016		
9/6/2016		
9/7/2016	0.06 (J)	<0.1
9/8/2016		
11/7/2016		
11/8/2016	0.06 (J)	<0.1
11/10/2016		
1/9/2017		
1/10/2017	0.04 (J)	<0.1
1/11/2017		
3/13/2017		
3/14/2017		
3/15/2017		<0.1
3/16/2017	0.06 (J)	
5/15/2017		
5/16/2017	0.09 (J)	<0.1
5/18/2017		
10/2/2017		
10/3/2017	0.13	<0.1
10/5/2017		
12/20/2017	0.1	
3/12/2018		
3/13/2018	0.1	<0.1
3/14/2018		
6/5/2018		
6/6/2018		<0.1
6/7/2018	0.14	
6/10/2018		
10/16/2018		
10/17/2018	0.14	
10/18/2018		<0.1
2/27/2019	0.16	
2/28/2019		<0.1
5/31/2019	0.2	<0.1
11/6/2019		
11/11/2019	0.16	<0.1

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-303, MW-304, MW-305, MW-308

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 89 background values. 75.28% NDs. Annual per-constituent alpha = 0.002435. Individual comparison alpha = 0.0002438 (1 of 2). Comparing 5 points to limit.

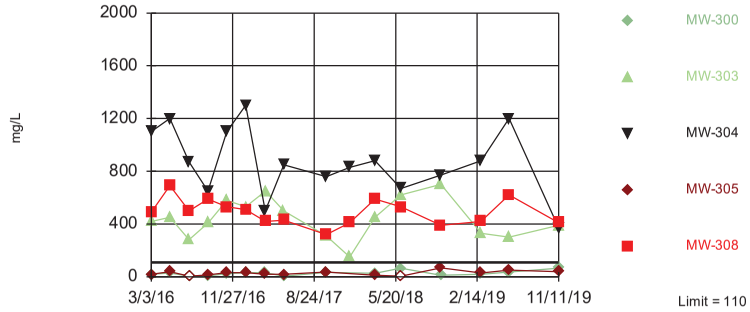
Constituent: Sulfate Analysis Run 3/7/2020 5:09 PM View: PL's Interwell 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-303, MW-304, MW-308

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 90 background values. 30% NDs. Annual per-constituent alpha = 0.002374. Individual comparison alpha = 0.0002377 (1 of 2). Comparing 5 points to limit.

Constituent: Total Dissolved Solids Analysis Run 3/7/2020 5:09 PM View: PL's Interwell 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/7/2020 5:11 PM View: PL's Interwell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-307 (bg)	MW-306 (bg)	MW-300	MW-304	MW-305
2/29/2016	<5	1.6 (J)	<5	<5					
3/1/2016					<5	<5			
3/3/2016							<5	550	<5
5/2/2016	15 (o)	2.1 (J)	<5		<5				
5/3/2016						<5			
5/4/2016				<5			<5	520	<5
7/5/2016	<5	2 (J)	<5		<5	<5			
7/6/2016								510	
7/7/2016							<5		<5
7/8/2016				<5					
9/6/2016	<5	1.8 (J)	<5	<5	3.7 (J)	<5			
9/7/2016							<5	340	<5
9/8/2016									
11/7/2016	<5	1.7 (J)	<5		<5	<5			<5
11/8/2016							<5	630	
11/10/2016				<5					
1/9/2017	<5	1.5 (J)	2.6 (J)		<5	<5			
1/10/2017							<5	580	<5
1/11/2017				<5					
3/13/2017	2.5 (J)	2.2 (J)	<5		<5	<5			
3/14/2017				<5					
3/15/2017							<5 (*)	250	<5 (*)
3/16/2017									
5/15/2017	<5	1.9 (J)	<5		<5	<5			
5/16/2017							<5	410	<5
5/18/2017				<5 (X)					
10/2/2017	<5	3.4 (J)	<5		1.7 (J)	1.5 (J)			
10/3/2017							<5	440	<5
10/5/2017				<5					
12/20/2017								400	
3/12/2018	<5	2.6 (J)	<5		<5	<5			
3/13/2018							<5	460	1.5 (J)
3/14/2018				<5					
6/5/2018	<5	2.6 (J)	<5						
6/6/2018					<5	<5	<5		
6/7/2018								420	<5
6/10/2018				1.5 (J)					
10/16/2018	<5	2.8 (J)	<5						
10/17/2018					<5	<5		320	<5
10/18/2018				<5			<5		
2/27/2019	<5	2.4 (J)	<5	1.9 (J)	<5	<5			
2/28/2019							<5	490	2.6 (J)
5/31/2019	<5	3.3 (J)	<5	<5	<5	<5	<5	500	12
11/6/2019	<5	3.7 (J)	<5	<5	<5	<5			
11/11/2019							<5	340	5.5

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/7/2020 5:11 PM View: PL's Interwell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-308	MW-303
2/29/2016		
3/1/2016		
3/3/2016	230	180
5/2/2016		
5/3/2016		
5/4/2016	280	200
7/5/2016		
7/6/2016	270	150
7/7/2016		
7/8/2016		
9/6/2016		
9/7/2016	280	
9/8/2016		160
11/7/2016		
11/8/2016	280	230
11/10/2016		
1/9/2017		
1/10/2017	240	190
1/11/2017		
3/13/2017		
3/14/2017		
3/15/2017		
3/16/2017	220	190
5/15/2017		190
5/16/2017	200	
5/18/2017		
10/2/2017		
10/3/2017	180	130
10/5/2017		
12/20/2017	170	85
3/12/2018		
3/13/2018	210	160
3/14/2018		
6/5/2018		
6/6/2018		
6/7/2018	210	280
6/10/2018		
10/16/2018		
10/17/2018	140	250
10/18/2018		
2/27/2019	150	
2/28/2019		140
5/31/2019	210	140
11/6/2019		
11/11/2019	170	230

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 3/7/2020 5:11 PM View: PL's Interwell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-307 (bg)	MW-306 (bg)	MW-303	MW-304	MW-305
2/29/2016	20	12	<5	20					
3/1/2016					<5	10			
3/3/2016							420	1100	18
5/2/2016	<5	6	<5		36				
5/3/2016						<5			
5/4/2016				6			450	1200	38
7/5/2016	12	<5	14		<5	<5			
7/6/2016							280	870	
7/7/2016									<5
7/8/2016				6					
9/6/2016	36	38	30	36	44	36			
9/7/2016								650	14
9/8/2016							410		
11/7/2016	18	<5	8		30	<5			32
11/8/2016							580	1100	
11/10/2016				16					
1/9/2017	4 (J)	14	<5		12	<5			
1/10/2017							530	1300	32
1/11/2017				38					
3/13/2017	6	8	<5		20	22			
3/14/2017				<5					
3/15/2017								500	20
3/16/2017							650		
5/15/2017	<5	<5	<5		4 (J)	6	500		
5/16/2017								850	18
5/18/2017				10					
10/2/2017	<5	6	<5		24	16			
10/3/2017							310	760	36
10/5/2017				<5					
12/20/2017							150	830	
3/12/2018	18	<5	14		<5	<5			
3/13/2018							450	880	12
3/14/2018				8					
6/5/2018	10	14	<5						
6/6/2018					16	20			
6/7/2018							620	670	<5
6/10/2018				8					
10/16/2018	32	6	12						
10/17/2018					44	44	700	770	68
10/18/2018				28					
2/27/2019	110	110	54	68	28	20			
2/28/2019							330	880	28
5/31/2019	46	26	8	<5	18	32	300	1200	50
11/6/2019	<5	<5	4 (J)	10	20	24			
11/11/2019							390	370	38

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 3/7/2020 5:11 PM View: PL's Interwell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-308	MW-300
2/29/2016		
3/1/2016		
3/3/2016	490	18
5/2/2016		
5/3/2016		
5/4/2016	690	28
7/5/2016		
7/6/2016	500	
7/7/2016		<5
7/8/2016		
9/6/2016		
9/7/2016	590	8
9/8/2016		
11/7/2016		
11/8/2016	530	24
11/10/2016		
1/9/2017		
1/10/2017	510	30
1/11/2017		
3/13/2017		
3/14/2017		
3/15/2017		32
3/16/2017	420	
5/15/2017		
5/16/2017	430	<5
5/18/2017		
10/2/2017		
10/3/2017	320	34
10/5/2017		
12/20/2017	410	
3/12/2018		
3/13/2018	590	26
3/14/2018		
6/5/2018		
6/6/2018		64
6/7/2018	530	
6/10/2018		
10/16/2018		
10/17/2018	390	
10/18/2018		12
2/27/2019	420	
2/28/2019		20
5/31/2019	620	36
11/6/2019		
11/11/2019	410	66

Confidence Intervals - 100, 200 & 300 Series

100 Series

Confidence Interval Summary Table - 100 Series Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/7/2020, 5:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	**MW-104**	**0.02205**	**0.01409**	**0.006**	**Yes**	**14**	**0.01807**	**0.005622**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-104**	**18.92**	**12.57**	**5**	**Yes**	**14**	**15.75**	**4.489**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-110**	**7.556**	**5.706**	**5**	**Yes**	**14**	**6.631**	**1.306**	**0**	**None**	**No**	**0.01**	**Param.**
Mercury (mg/L)	**MW-110**	**0.006106**	**0.003329**	**0.002**	**Yes**	**14**	**0.004717**	**0.00196**	**0**	**None**	**No**	**0.01**	**Param.**

Confidence Interval Summary Table - 100 Series All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/7/2020, 5:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-102	0.0025	0.0025	0.006	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Antimony (mg/L)	MW-103	0.0025	0.0025	0.006	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Antimony (mg/L)	MW-104	0.0025	0.0025	0.006	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Antimony (mg/L)	MW-105	0.0025	0.0025	0.006	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Antimony (mg/L)	MW-106	0.0025	0.0025	0.006	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Antimony (mg/L)	MW-109	0.0025	0.0025	0.006	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Antimony (mg/L)	MW-110	0.0025	0.0025	0.006	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Arsenic (mg/L)	MW-102	0.0005	0.00025	0.01	No	14	0.0002679	0.00006682	92.86	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-103	0.00051	0.00019	0.01	No	14	0.0002643	0.00007251	85.71	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-104	0.008137	0.003097	0.01	No	14	0.005617	0.003557	7.143	None	No	0.01	Param.
Arsenic (mg/L)	MW-105	0.004225	0.003575	0.01	No	14	0.0039	0.0004591	0	None	No	0.01	Param.
Arsenic (mg/L)	MW-106	0.00025	0.00025	0.01	No	14	0.00025	0	100	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-109	0.00025	0.00025	0.01	No	14	0.00025	3.2e-12	92.86	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-110	0.00051	0.0002	0.01	No	14	0.0003464	0.0001458	57.14	None	No	0.01	NP (normality)
Barium (mg/L)	MW-102	0.01094	0.008893	2	No	14	0.009914	0.001442	0	None	No	0.01	Param.
Barium (mg/L)	MW-103	0.06295	0.0459	2	No	14	0.05314	0.01505	0	None	x^2	0.01	Param.
Barium (mg/L)	MW-104	0.02616	0.01969	2	No	14	0.02293	0.004565	0	None	No	0.01	Param.
Barium (mg/L)	MW-105	0.04929	0.03757	2	No	14	0.04343	0.008271	0	None	No	0.01	Param.
Barium (mg/L)	MW-106	0.015	0.0095	2	No	14	0.01094	0.002142	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-109	0.02053	0.01776	2	No	14	0.01914	0.001956	0	None	No	0.01	Param.
Barium (mg/L)	MW-110	0.04837	0.03691	2	No	14	0.04264	0.008092	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-102	0.0005	0.0005	0.004	No	14	0.0005	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-103	0.0005	0.0005	0.004	No	14	0.0005	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-104	0.001249	0.0008169	0.004	No	14	0.001033	0.0003049	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-105	0.0005	0.0005	0.004	No	14	0.0005	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-106	0.0005	0.0005	0.004	No	14	0.0005	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-109	0.0005	0.0005	0.004	No	14	0.0005	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-110	0.0005	0.000084	0.004	No	14	0.0004703	0.0001112	92.86	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-102	0.0005	0.0005	0.005	No	14	0.0005	0	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-103	0.0005	0.0005	0.005	No	14	0.0005	0	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-104	0.00052	0.00044	0.005	No	14	0.0005121	0.00008276	50	None	No	0.01	NP (normality)
Cadmium (mg/L)	MW-105	0.0005	0.0005	0.005	No	14	0.0005	0	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-106	0.0005	0.0005	0.005	No	14	0.0005	0	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-109	0.0005	0.000078	0.005	No	14	0.0004699	0.0001128	92.86	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-110	0.0005	0.00032	0.005	No	14	0.0004871	0.00004811	92.86	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-102	0.0028	0.00037	0.1	No	14	0.000655	0.0006183	85.71	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-103	0.0011	0.00028	0.1	No	14	0.0008629	0.00126	78.57	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-104	0.0023	0.0005	0.1	No	14	0.00165	0.0007198	21.43	None	No	0.01	NP (normality)
Chromium (mg/L)	MW-105	0.002573	0.001919	0.1	No	14	0.0022	0.0005805	7.143	None	x^2	0.01	Param.
Chromium (mg/L)	MW-106	0.0005	0.0005	0.1	No	14	0.0005	0	100	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-109	0.0005	0.0005	0.1	No	14	0.0005	0	100	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-110	0.0005	0.00042	0.1	No	14	0.0004943	0.00002138	92.86	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-102	0.0025	0.00016	0.006	No	14	0.002333	0.0006254	92.86	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-103	0.0025	0.00044	0.006	No	14	0.001796	0.0009961	64.29	None	No	0.01	NP (normality)
Cobalt (mg/L)	**MW-104**	**0.02205**	**0.01409**	**0.006**	**Yes**	**14**	**0.01807**	**0.005622**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	MW-105	0.0025	0.00087	0.006	No	14	0.002384	0.0004356	92.86	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-106	0.0025	0.00044	0.006	No	14	0.0009829	0.0008365	21.43	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-109	0.00582	0.003345	0.006	No	14	0.004582	0.001747	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-110	0.019	0.0043	0.006	No	14	0.009379	0.006957	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	MW-102	1.932	1.24	5	No	14	1.609	0.5386	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-103	7.205	4.797	5	No	14	6.001	1.7	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**MW-104**	**18.92**	**12.57**	**5**	**Yes**	**14**	**15.75**	**4.489**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	MW-105	4.671	2.82	5	No	14	3.746	1.307	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-106	1.284	0.6942	5	No	14	1.017	0.486	7.143	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-109	2.345	1.459	5	No	14	1.902	0.6256	0	None	No	0.01	Param.

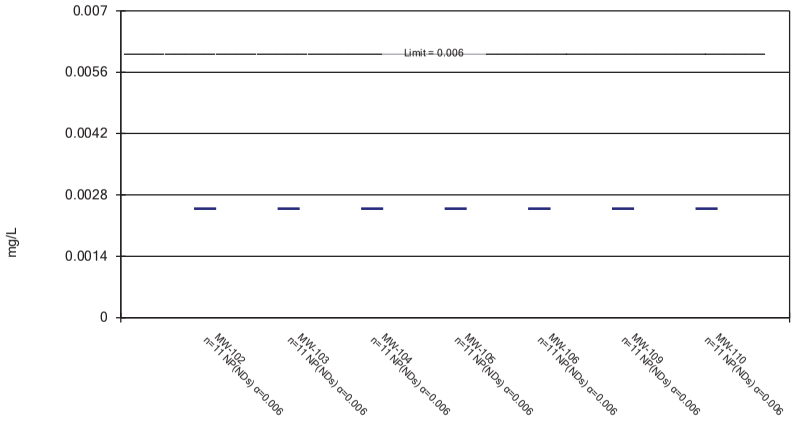
Confidence Interval Summary Table - 100 Series All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/7/2020, 5:24 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-110**	**7.556**	**5.706**	**5**	**Yes**	**14**	**6.631**	**1.306**	**0**	**None**	**No**	**0.01**	**Param.**
Fluoride (mg/L)	MW-102	0.1	0.1	4	No	15	0.1	0	100	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-103	0.1	0.037	4	No	15	0.0958	0.01627	93.33	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-104	0.3648	0.2377	4	No	16	0.3013	0.09763	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-105	0.1	0.041	4	No	15	0.08807	0.02471	80	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-106	0.1	0.1	4	No	15	0.1	0	100	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-109	0.1	0.1	4	No	15	0.1	0	100	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-110	0.1	0.04	4	No	15	0.07993	0.02938	66.67	None	No	0.01	NP (normality)
Lead (mg/L)	MW-102	0.00025	0.00014	0.015	No	14	0.0002421	0.0000294	92.86	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-103	0.00025	0.00011	0.015	No	14	0.00024	0.00003742	92.86	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-104	0.002436	0.001778	0.015	No	14	0.002107	0.0004649	0	None	No	0.01	Param.
Lead (mg/L)	MW-105	0.00091	0.00012	0.015	No	14	0.0002879	0.0001824	85.71	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-106	0.00039	0.00025	0.015	No	14	0.00026	0.00003742	92.86	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-109	0.00067	0.000094	0.015	No	14	0.0002689	0.0001227	85.71	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-110	0.0003	0.00025	0.015	No	14	0.0002621	0.00003378	85.71	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-102	0.0012	0.0009	0.04	No	14	0.001036	0.0001216	78.57	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-103	0.002	0.00097	0.04	No	14	0.001469	0.0008208	50	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-104	0.03833	0.02167	0.04	No	14	0.03	0.01175	0	None	No	0.01	Param.
Lithium (mg/L)	MW-105	0.001	0.001	0.04	No	14	0.001	0	100	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-106	0.0035	0.00068	0.04	No	14	0.001634	0.001765	64.29	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-109	0.006571	0.004929	0.04	No	14	0.005786	0.001272	0	None	x^(1/3)	0.01	Param.
Lithium (mg/L)	MW-110	0.01074	0.007202	0.04	No	14	0.008971	0.002498	0	None	No	0.01	Param.
Mercury (mg/L)	MW-102	0.0002	0.000094	0.002	No	14	0.0001849	0.00003849	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-103	0.0002	0.00012	0.002	No	14	0.0001943	0.00002138	92.86	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-104	0.001496	0.0007186	0.002	No	14	0.001107	0.0005485	0	None	No	0.01	Param.
Mercury (mg/L)	MW-105	0.0002	0.0002	0.002	No	14	0.0002	0	100	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-106	0.0002	0.00008	0.002	No	14	0.0001914	0.00003207	92.86	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-109	0.0012	0.000097	0.002	No	14	0.0002641	0.0002708	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	**MW-110**	**0.006106**	**0.003329**	**0.002**	**Yes**	**14**	**0.004717**	**0.00196**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	MW-102	0.003	0.003	0.1	No	14	0.003	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-103	0.003	0.003	0.1	No	14	0.003	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-104	0.003	0.003	0.1	No	14	0.003	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-105	0.005323	0.003366	0.1	No	14	0.004414	0.001614	0	None	x^(1/3)	0.01	Param.
Molybdenum (mg/L)	MW-106	0.003	0.003	0.1	No	14	0.003	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-109	0.003	0.003	0.1	No	14	0.003	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-110	0.003	0.003	0.1	No	14	0.003	0	100	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-102	0.00028	0.00025	0.05	No	14	0.0003086	0.0001994	78.57	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-103	0.003073	0.001834	0.05	No	14	0.002454	0.0008741	7.143	None	No	0.01	Param.
Selenium (mg/L)	MW-104	0.01327	0.004873	0.05	No	14	0.009071	0.005927	0	None	No	0.01	Param.
Selenium (mg/L)	MW-105	0.00041	0.00025	0.05	No	14	0.0003129	0.0001055	57.14	None	No	0.01	NP (normality)
Selenium (mg/L)	MW-106	0.00025	0.00025	0.05	No	14	0.00025	0	100	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-109	0.00025	0.00024	0.05	No	14	0.0002493	0.000002673	92.86	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-110	0.003591	0.003153	0.05	No	14	0.003364	0.0003249	0	None	x^2	0.01	Param.
Thallium (mg/L)	MW-102	0.00021	0.0001	0.002	No	14	0.0001079	0.0000294	92.86	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-103	0.0001	0.000026	0.002	No	14	0.00009471	0.00001978	92.86	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-104	0.0003393	0.0002207	0.002	No	14	0.00028	0.00008367	0	None	No	0.01	Param.
Thallium (mg/L)	MW-105	0.00024	0.0001	0.002	No	14	0.00011	0.00003742	92.86	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-106	0.0001	0.0001	0.002	No	14	0.0001	0	100	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-109	0.0001	0.0001	0.002	No	14	0.0001	0	100	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-110	0.0002848	0.0002252	0.002	No	14	0.000255	0.00004202	0	None	No	0.01	Param.

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

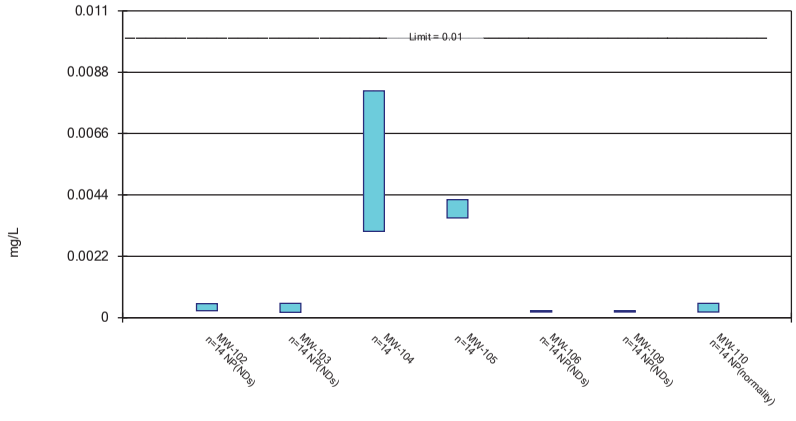


Constituent: Antimony Analysis Run 3/7/2020 5:22 PM View: Confidence Intervals - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

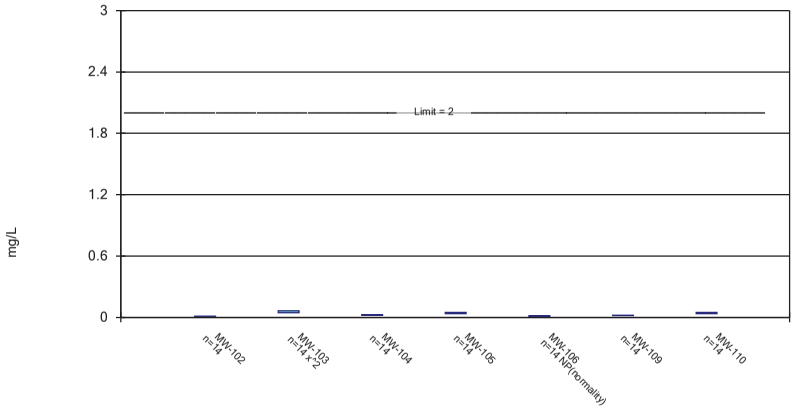


Constituent: Arsenic Analysis Run 3/7/2020 5:22 PM View: Confidence Intervals - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

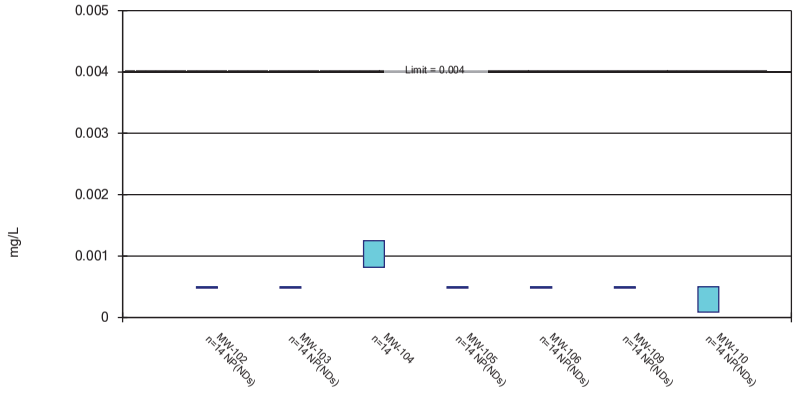


Constituent: Barium Analysis Run 3/7/2020 5:22 PM View: Confidence Intervals - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

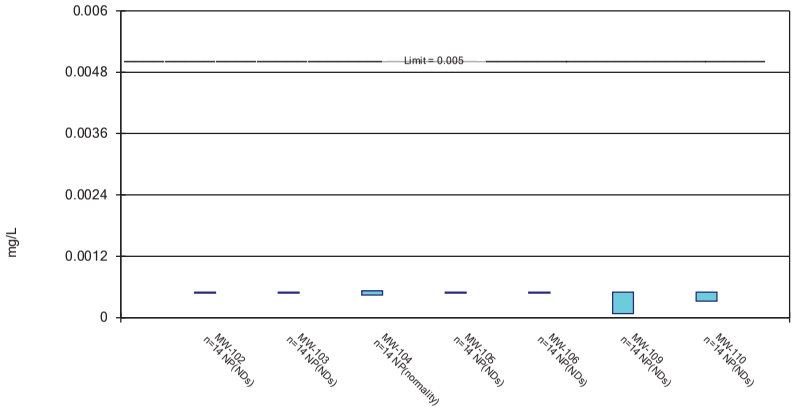
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Beryllium Analysis Run 3/7/2020 5:22 PM View: Confidence Intervals - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Non-Parametric Confidence Interval

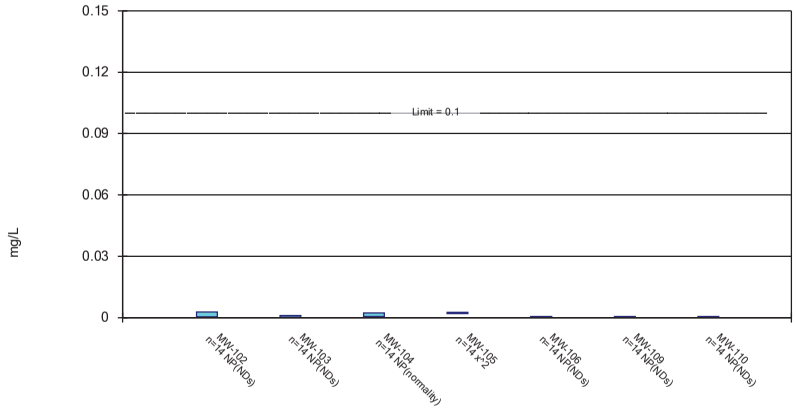
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Cadmium Analysis Run 3/7/2020 5:22 PM View: Confidence Intervals - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

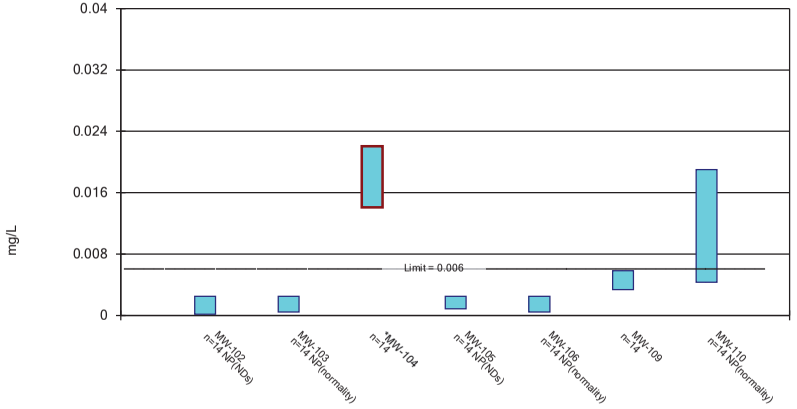
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chromium Analysis Run 3/7/2020 5:22 PM View: Confidence Intervals - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

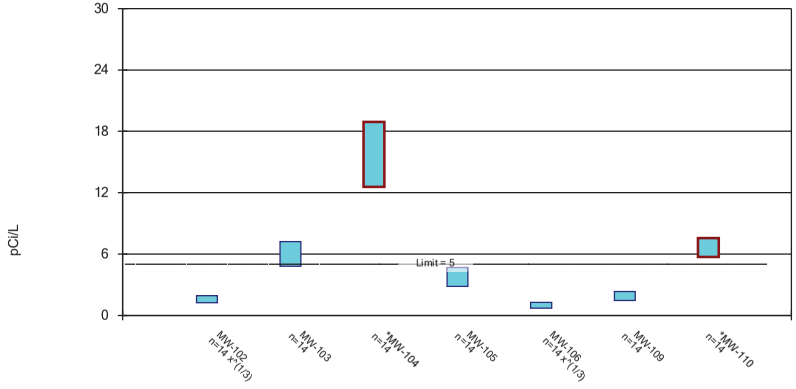
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 3/7/2020 5:22 PM View: Confidence Intervals - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

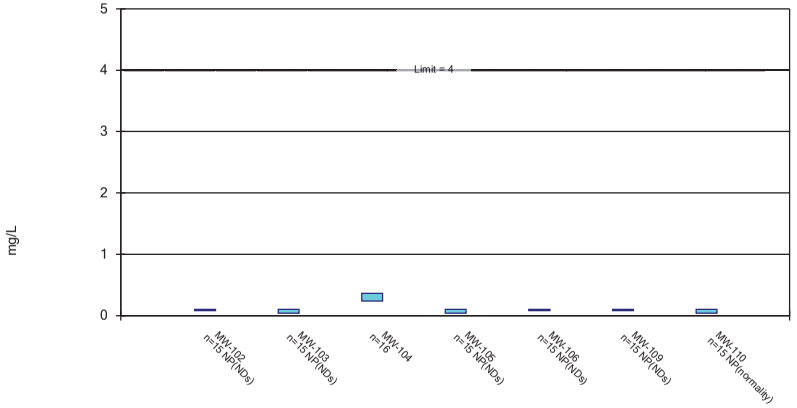


Constituent: Combined Radium 226 + 228 Analysis Run 3/7/2020 5:22 PM View: Confidence Intervals - 10
Plant Crist Client: Gulf Power Data: Plant Crist CCR

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



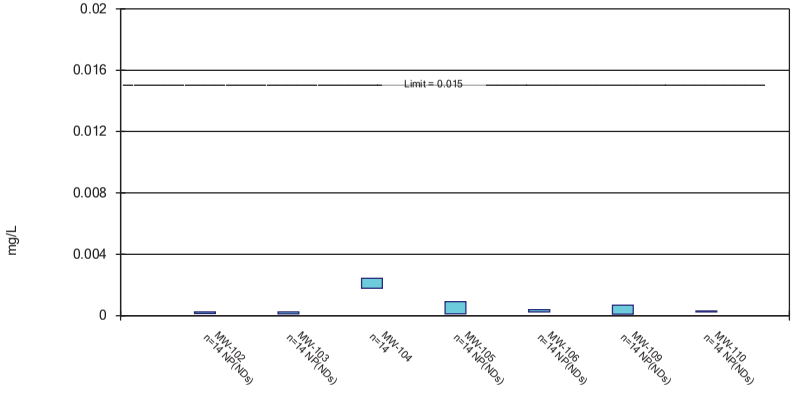
Constituent: Fluoride Analysis Run 3/7/2020 5:22 PM View: Confidence Intervals - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



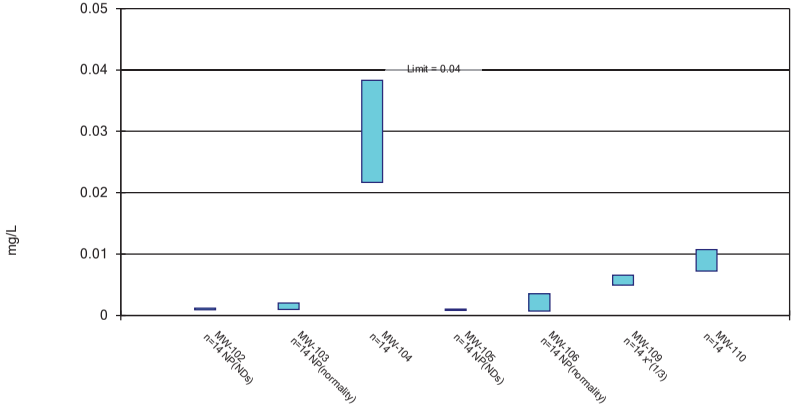
Constituent: Lead Analysis Run 3/7/2020 5:22 PM View: Confidence Intervals - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



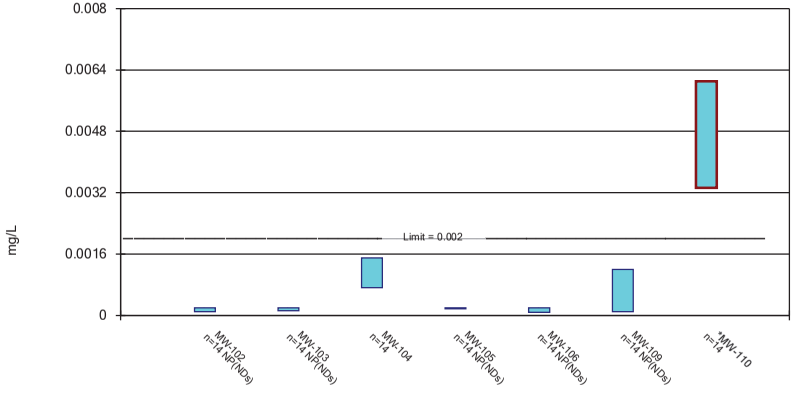
Constituent: Lithium Analysis Run 3/7/2020 5:22 PM View: Confidence Intervals - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

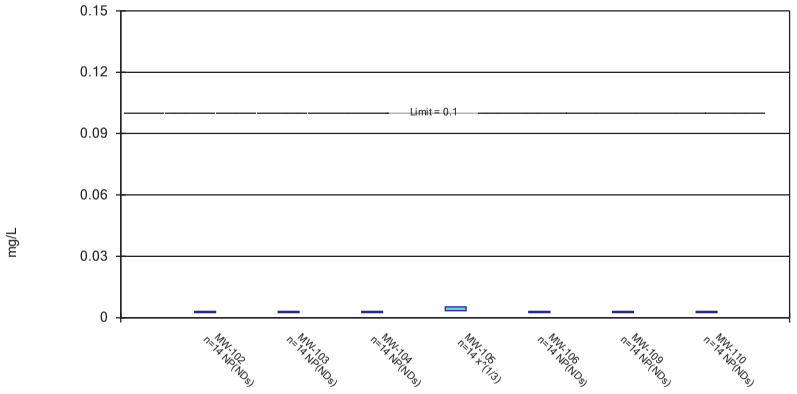


Constituent: Mercury Analysis Run 3/7/2020 5:22 PM View: Confidence Intervals - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist 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.



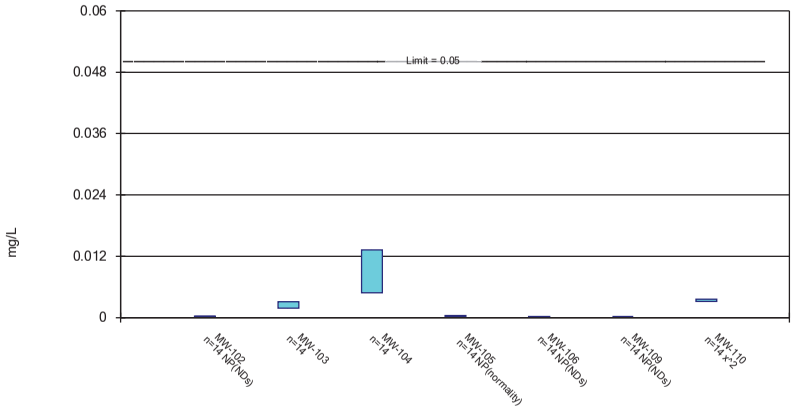
Constituent: Molybdenum Analysis Run 3/7/2020 5:22 PM View: Confidence Intervals - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



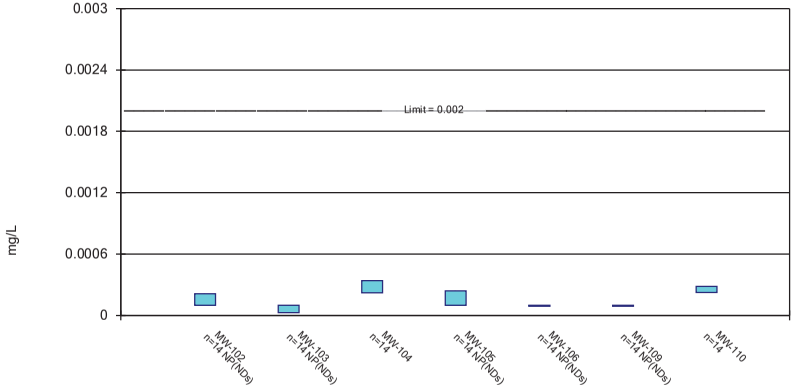
Constituent: Selenium Analysis Run 3/7/2020 5:22 PM View: Confidence Intervals - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 3/7/2020 5:22 PM View: Confidence Intervals - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

200 Series

Confidence Interval Summary Table - 200 Series Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/8/2020, 10:02 AM

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-200**	**17.98**	**9.297**	**5**	**Yes**	**14**	**13.94**	**6.385**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-201**	**22.8**	**6.52**	**5**	**Yes**	**14**	**14.19**	**8.305**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Combined Radium 226 + 228 (pCi/L)	**MW-206**	**31.73**	**14.99**	**5**	**Yes**	**14**	**23.36**	**11.81**	**0**	**None**	**No**	**0.01**	**Param.**

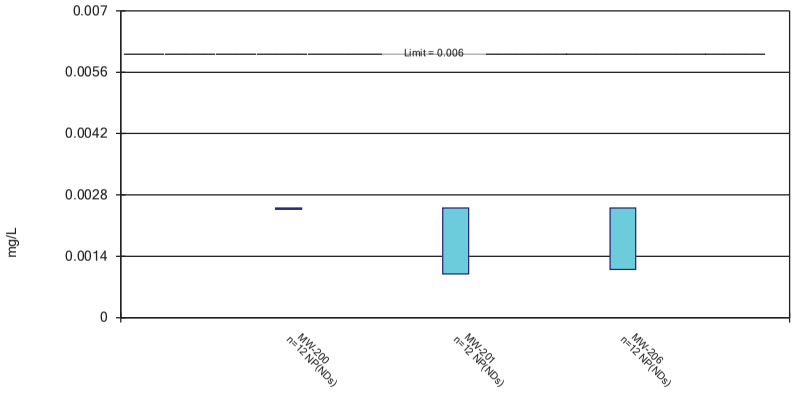
Confidence Interval Summary Table - 200 Series All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/8/2020, 10:02 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-200	0.0025	0.0025	0.006	No	12	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-201	0.0025	0.001	0.006	No	12	0.00225	0.0005839	83.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-206	0.0025	0.0011	0.006	No	12	0.002383	0.0004041	91.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-200	0.003232	0.0009075	0.01	No	14	0.002221	0.001833	7.143	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	MW-201	0.0068	0.00063	0.01	No	14	0.003154	0.003317	28.57	None	No	0.01	NP (normality)
Arsenic (mg/L)	MW-206	0.01235	0.003137	0.01	No	14	0.007742	0.006502	0	None	No	0.01	Param.
Barium (mg/L)	MW-200	0.06889	0.03955	2	No	14	0.05422	0.02071	0	None	No	0.01	Param.
Barium (mg/L)	MW-201	0.0714	0.03445	2	No	14	0.05293	0.02608	0	None	No	0.01	Param.
Barium (mg/L)	MW-206	0.1162	0.06271	2	No	14	0.08944	0.03774	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-200	0.0025	0.0025	0.004	No	14	0.0025	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-201	0.0025	0.0025	0.004	No	14	0.0025	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-206	0.0025	0.00055	0.004	No	14	0.002068	0.0008591	78.57	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-200	0.0025	0.00061	0.005	No	13	0.002192	0.0007524	84.62	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-201	0.014	0.0021	0.005	No	14	0.007179	0.005691	7.143	None	No	0.01	NP (normality)
Cadmium (mg/L)	MW-206	0.002696	0.001222	0.005	No	14	0.001959	0.001041	0	None	No	0.01	Param.
Chromium (mg/L)	MW-200	0.0025	0.0025	0.1	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Chromium (mg/L)	MW-201	0.0025	0.0025	0.1	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Chromium (mg/L)	MW-206	0.0025	0.0025	0.1	No	11	0.002509	0.00003015	90.91	None	No	0.006	NP (NDs)
Cobalt (mg/L)	MW-200	0.00252	0.001332	0.006	No	14	0.001551	0.0006099	21.43	Cohen`s	No	0.01	Param.
Cobalt (mg/L)	MW-201	0.00322	0.001578	0.006	No	14	0.002461	0.001314	7.143	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	MW-206	0.005103	0.002449	0.006	No	14	0.003776	0.001873	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**MW-200**	**17.98**	**9.297**	**5**	**Yes**	**14**	**13.94**	**6.385**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-201**	**22.8**	**6.52**	**5**	**Yes**	**14**	**14.19**	**8.305**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Combined Radium 226 + 228 (pCi/L)	**MW-206**	**31.73**	**14.99**	**5**	**Yes**	**14**	**23.36**	**11.81**	**0**	**None**	**No**	**0.01**	**Param.**
Fluoride (mg/L)	MW-200	0.1	0.05	4	No	15	0.08533	0.06353	13.33	None	No	0.01	NP (normality)
Fluoride (mg/L)	MW-201	0.7911	0.5001	4	No	16	0.6456	0.2236	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-206	0.08743	0.05245	4	No	16	0.06994	0.02688	0	None	No	0.01	Param.
Lead (mg/L)	MW-200	0.001498	0.0008392	0.015	No	14	0.001169	0.000465	14.29	None	No	0.01	Param.
Lead (mg/L)	MW-201	0.0013	0.00065	0.015	No	14	0.001138	0.0003276	78.57	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-206	0.01	0.0019	0.015	No	14	0.006343	0.003783	0	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-200	0.01	0.0025	0.04	No	14	0.004721	0.001988	71.43	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-201	0.0078	0.0043	0.04	No	14	0.007479	0.008074	14.29	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-206	0.005	0.0014	0.04	No	14	0.004471	0.001344	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-200	0.002449	0.001261	0.002	No	14	0.001855	0.000839	0	None	No	0.01	Param.
Mercury (mg/L)	MW-201	0.0026	0.00032	0.002	No	14	0.001511	0.001041	0	None	No	0.01	NP (normality)
Mercury (mg/L)	MW-206	0.0005361	0.0001662	0.002	No	14	0.0003736	0.0002926	14.29	None	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	MW-200	0.015	0.0078	0.1	No	12	0.0144	0.002078	91.67	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-201	0.015	0.0015	0.1	No	12	0.01387	0.003897	91.67	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-206	0.015	0.00092	0.1	No	12	0.01383	0.004065	91.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-200	0.016	0.0042	0.05	No	14	0.01023	0.005539	0	None	No	0.01	NP (normality)
Selenium (mg/L)	MW-201	0.01337	0.005047	0.05	No	14	0.009207	0.005873	0	None	No	0.01	Param.
Selenium (mg/L)	MW-206	0.01955	0.01402	0.05	No	14	0.01679	0.003906	0	None	No	0.01	Param.
Thallium (mg/L)	MW-200	0.0003476	0.0000521	0.002	No	14	0.0002243	0.0001748	28.57	Cohen`s	No	0.01	Param.
Thallium (mg/L)	MW-201	0.0004515	0.0002128	0.002	No	14	0.0003321	0.0001685	0	None	No	0.01	Param.
Thallium (mg/L)	MW-206	0.000845	0.0004164	0.002	No	14	0.0006307	0.0003026	0	None	No	0.01	Param.

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

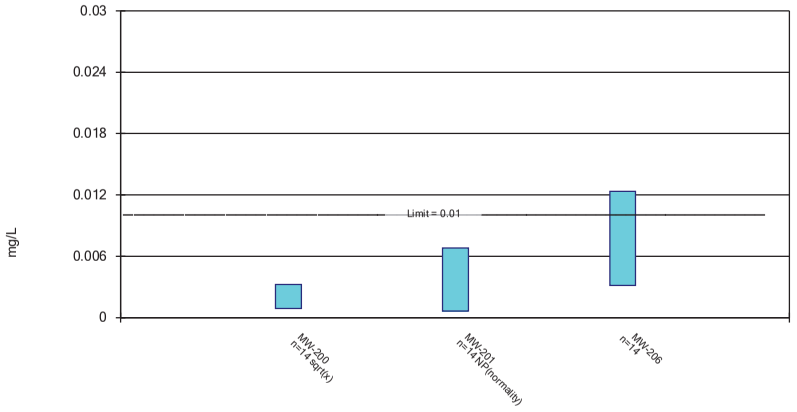


Constituent: Antimony Analysis Run 3/8/2020 9:59 AM View: Confidence Intervals - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

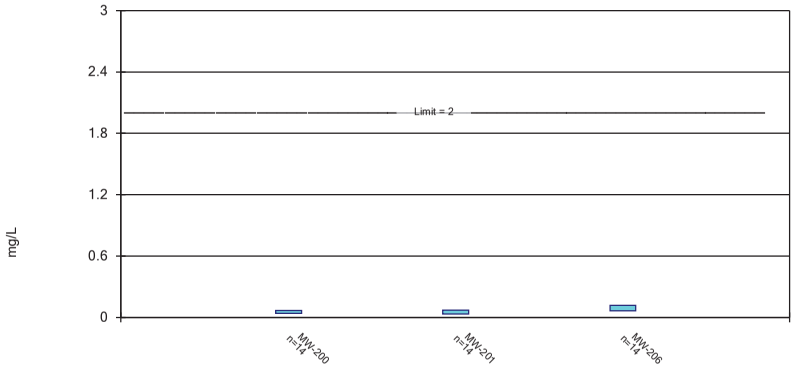


Constituent: Arsenic Analysis Run 3/8/2020 9:59 AM View: Confidence Intervals - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

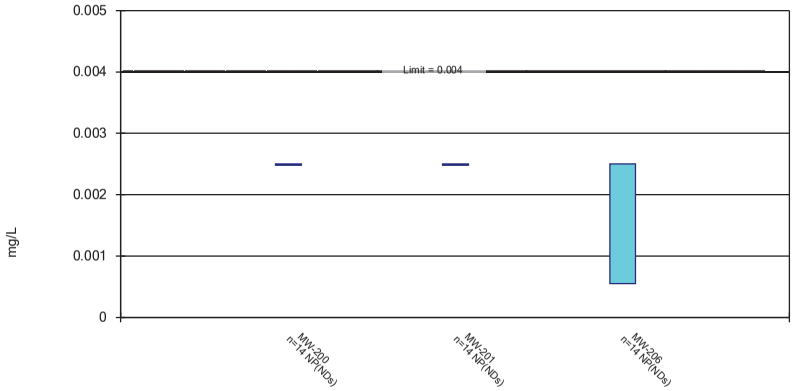


Constituent: Barium Analysis Run 3/8/2020 9:59 AM View: Confidence Intervals - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

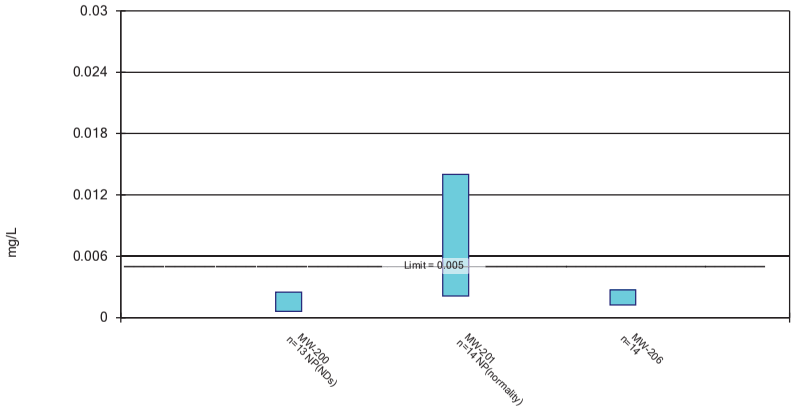
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Beryllium Analysis Run 3/8/2020 9:59 AM View: Confidence Intervals - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

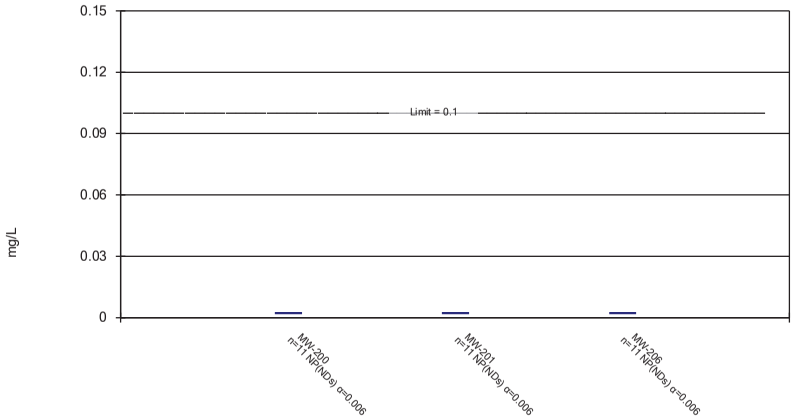
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cadmium Analysis Run 3/8/2020 9:59 AM View: Confidence Intervals - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Non-Parametric Confidence Interval

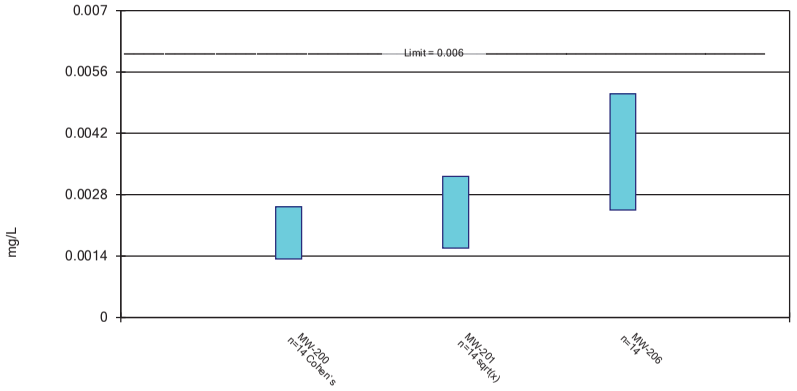
Compliance Limit is not exceeded.



Constituent: Chromium Analysis Run 3/8/2020 9:59 AM View: Confidence Intervals - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric Confidence Interval

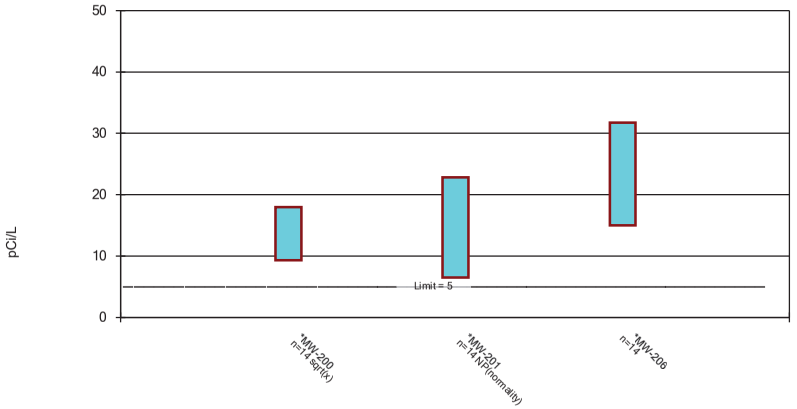
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 3/8/2020 9:59 AM View: Confidence Intervals - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

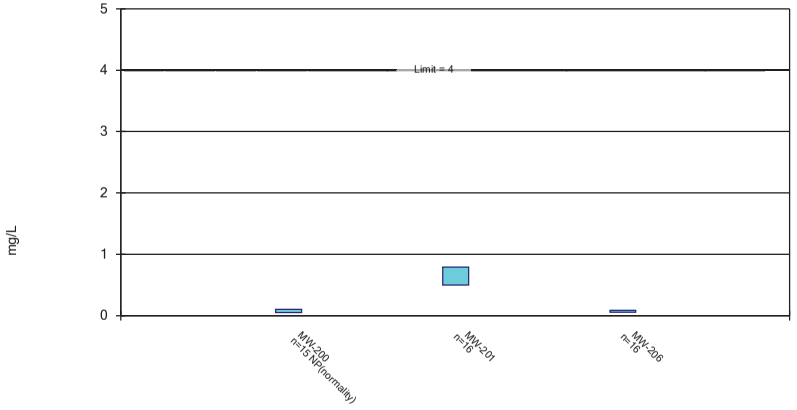
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 3/8/2020 9:59 AM View: Confidence Intervals - 20
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

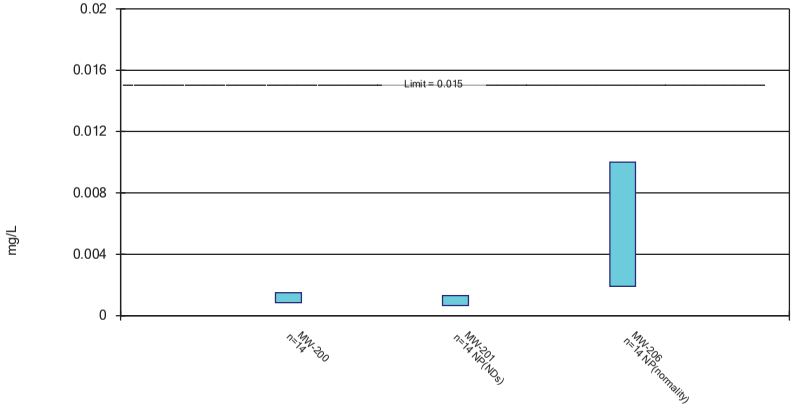


Constituent: Fluoride Analysis Run 3/8/2020 9:59 AM View: Confidence Intervals - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

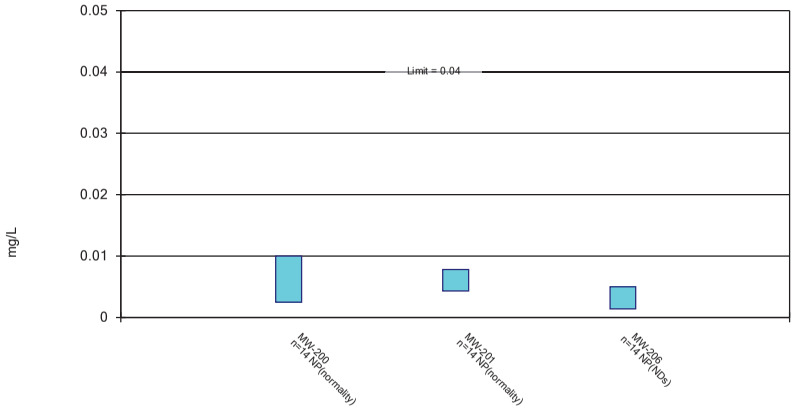


Constituent: Lead Analysis Run 3/8/2020 9:59 AM View: Confidence Intervals - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

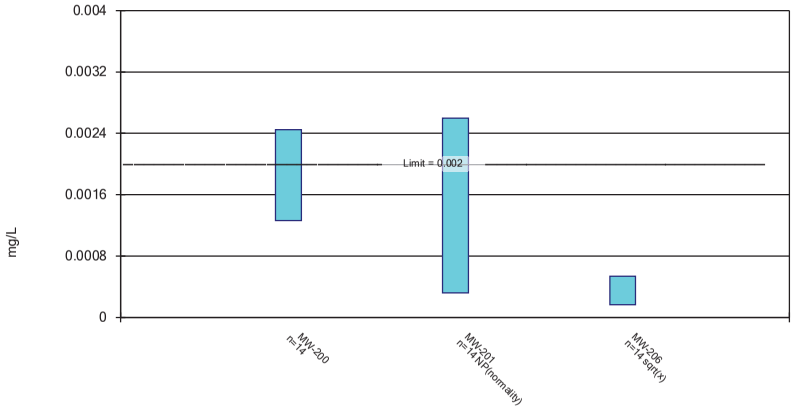


Constituent: Lithium Analysis Run 3/8/2020 9:59 AM View: Confidence Intervals - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

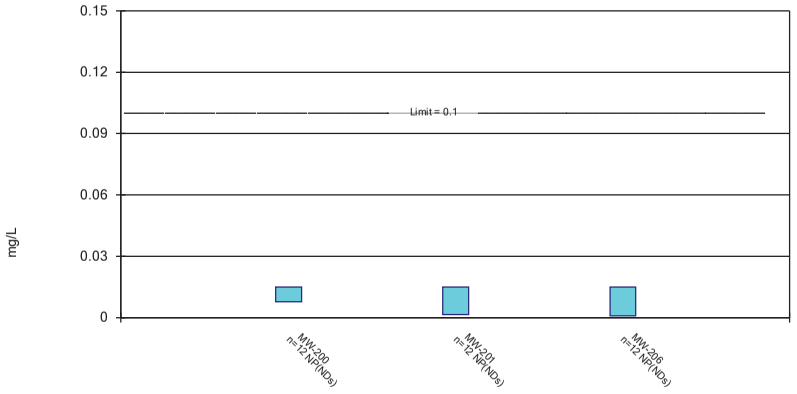
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Mercury Analysis Run 3/8/2020 9:59 AM View: Confidence Intervals - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

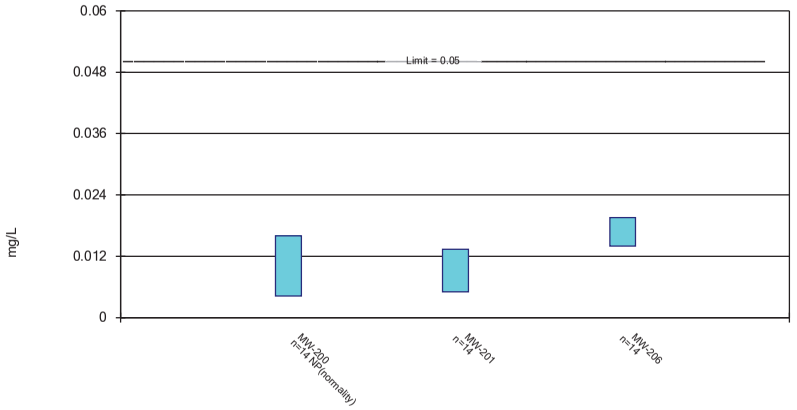


Constituent: Molybdenum Analysis Run 3/8/2020 9:59 AM View: Confidence Intervals - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

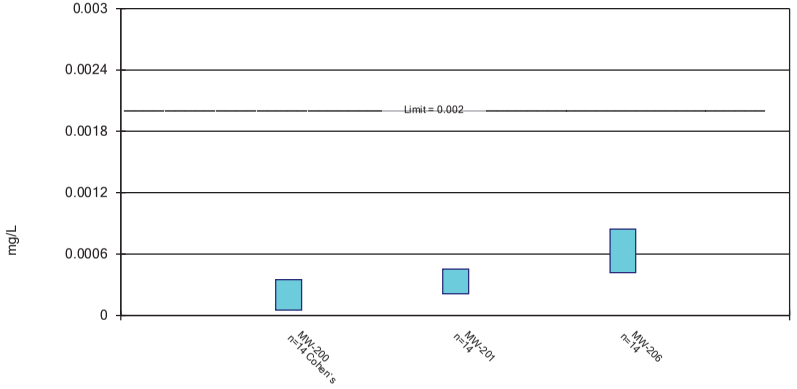


Constituent: Selenium Analysis Run 3/8/2020 9:59 AM View: Confidence Intervals - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 3/8/2020 9:59 AM View: Confidence Intervals - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

300 Series

Confidence Interval Summary Table - 300 Series Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/16/2020, 9:05 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Molybdenum (mg/L)	**MW-303**	**1.756**	**0.9349**	**0.1**	**Yes**	**14**	**1.346**	**0.5799**	**0**	**None**	**No**	**0.01**	**Param.**

Confidence Interval Summary Table - 300 Series All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/16/2020, 9:05 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-300	0.0025	0.0025	0.006	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Antimony (mg/L)	MW-303	0.0025	0.0025	0.006	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Antimony (mg/L)	MW-304	0.0025	0.0025	0.006	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Antimony (mg/L)	MW-305	0.0025	0.0025	0.006	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Antimony (mg/L)	MW-308	0.0025	0.0025	0.006	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Arsenic (mg/L)	MW-300	0.0013	0.0013	0.01	No	12	0.0013	0	100	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-303	0.001676	0.0008936	0.01	No	12	0.001285	0.0004989	41.67	None	No	0.01	Param.
Arsenic (mg/L)	MW-304	0.0051	0.0005	0.01	No	9	0.002047	0.001932	11.11	None	No	0.002	NP (normality)
Arsenic (mg/L)	MW-305	0.0013	0.0013	0.01	No	12	0.0013	0	100	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-308	0.0013	0.0013	0.01	No	12	0.0013	0	100	None	No	0.01	NP (NDs)
Barium (mg/L)	MW-300	0.01195	0.01076	2	No	14	0.01136	0.0008419	0	None	No	0.01	Param.
Barium (mg/L)	MW-303	0.03983	0.02724	2	No	14	0.03379	0.009333	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	MW-304	0.04311	0.02789	2	No	14	0.0355	0.01074	0	None	No	0.01	Param.
Barium (mg/L)	MW-305	0.026	0.016	2	No	14	0.01921	0.005536	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-308	0.02805	0.0218	2	No	14	0.02493	0.004411	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-300	0.0025	0.0025	0.004	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Beryllium (mg/L)	MW-303	0.0025	0.0025	0.004	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Beryllium (mg/L)	MW-304	0.0025	0.0025	0.004	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Beryllium (mg/L)	MW-305	0.0025	0.0025	0.004	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Beryllium (mg/L)	MW-308	0.0025	0.0025	0.004	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Cadmium (mg/L)	MW-300	0.0005	0.0005	0.005	No	14	0.0005	0	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-303	0.0005752	0.0004148	0.005	No	14	0.000495	0.0001133	21.43	None	No	0.01	Param.
Cadmium (mg/L)	MW-304	0.001	0.0005	0.005	No	14	0.0005357	0.0001336	92.86	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-305	0.0005	0.0005	0.005	No	14	0.0005	0	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-308	0.0005	0.0005	0.005	No	14	0.0005	0	100	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-300	0.0025	0.0025	0.1	No	11	0.002609	0.0003618	90.91	None	No	0.006	NP (NDs)
Chromium (mg/L)	MW-303	0.0025	0.0025	0.1	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Chromium (mg/L)	MW-304	0.0025	0.0025	0.1	No	11	0.002382	0.000392	90.91	None	No	0.006	NP (NDs)
Chromium (mg/L)	MW-305	0.0025	0.0025	0.1	No	11	0.0025	1.7e-11	90.91	None	No	0.006	NP (NDs)
Chromium (mg/L)	MW-308	0.0025	0.0025	0.1	No	11	0.0025	0	100	None	No	0.006	NP (NDs)
Cobalt (mg/L)	MW-300	0.00093	0.00023	0.006	No	14	0.0005114	0.0001403	85.71	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-303	0.0006533	0.0004262	0.006	No	14	0.0005807	0.0001144	35.71	Cohen`s	No	0.01	Param.
Cobalt (mg/L)	MW-304	0.03833	0.005974	0.006	No	9	0.02199	0.02182	0	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	MW-305	0.00063	0.00044	0.006	No	14	0.0005457	0.0001718	28.57	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-308	0.00056	0.0005	0.006	No	14	0.0005136	0.00003713	85.71	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	MW-300	5.659	4.727	5	No	14	5.193	0.6579	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-303	6.31	4.37	5	No	14	5.939	2.142	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	MW-304	7.398	3.819	5	No	14	5.609	2.527	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-305	1.643	1.24	5	No	14	1.448	0.2986	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-308	3.127	2.325	5	No	14	2.726	0.5663	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-300	0.1	0.041	4	No	15	0.09607	0.01523	93.33	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-303	0.2567	0.162	4	No	16	0.2094	0.0728	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-304	0.1235	0.07385	4	No	15	0.09867	0.03662	46.67	None	No	0.01	Param.
Fluoride (mg/L)	MW-305	0.1	0.035	4	No	15	0.09567	0.01678	93.33	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-308	0.1353	0.07596	4	No	16	0.1056	0.0456	0	None	No	0.01	Param.
Lead (mg/L)	MW-300	0.0013	0.0013	0.015	No	11	0.0013	0	100	None	No	0.006	NP (NDs)
Lead (mg/L)	MW-303	0.0013	0.0013	0.015	No	11	0.0013	0	100	None	No	0.006	NP (NDs)
Lead (mg/L)	MW-304	0.0013	0.00047	0.015	No	11	0.001045	0.0003898	54.55	None	No	0.006	NP (normality)
Lead (mg/L)	MW-305	0.0013	0.0013	0.015	No	11	0.0013	0	100	None	No	0.006	NP (NDs)
Lead (mg/L)	MW-308	0.0013	0.0013	0.015	No	11	0.0013	0	100	None	No	0.006	NP (NDs)
Lithium (mg/L)	MW-300	0.005	0.0014	0.04	No	14	0.00443	0.001457	85.71	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-303	0.02858	0.02271	0.04	No	14	0.02571	0.004322	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	MW-304	0.005	0.0034	0.04	No	14	0.004379	0.001217	71.43	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-305	0.005	0.0014	0.04	No	14	0.004424	0.001473	85.71	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-308	0.005	0.0013	0.04	No	14	0.003971	0.001703	71.43	None	No	0.01	NP (normality)

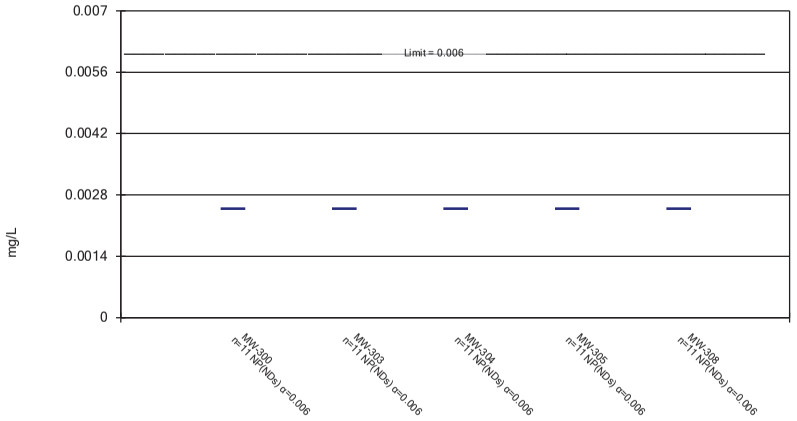
Confidence Interval Summary Table - 300 Series All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 3/16/2020, 9:05 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	MW-300	0.0002	0.0002	0.002	No	14	0.0002	0	100	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-303	0.0002	0.0002	0.002	No	14	0.0002	0	100	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-304	0.00065	0.0002	0.002	No	14	0.0004669	0.00033	21.43	None	No	0.01	NP (Cohens/xfrm)
Mercury (mg/L)	MW-305	0.0002	0.0002	0.002	No	14	0.0002	0	100	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-308	0.0002	0.0002	0.002	No	14	0.0002	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-300	0.003	0.003	0.1	No	14	0.003	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	**MW-303**	**1.756**	**0.9349**	**0.1**	**Yes**	**14**	**1.346**	**0.5799**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	MW-304	0.0043	0.0029	0.1	No	14	0.003443	0.001226	50	None	No	0.01	NP (normality)
Molybdenum (mg/L)	MW-305	0.003	0.0016	0.1	No	14	0.0029	0.0003742	92.86	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-308	0.003	0.00098	0.1	No	14	0.002856	0.0005399	92.86	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-300	0.00025	0.00025	0.05	No	14	0.00025	0	100	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-303	0.006473	0.00377	0.05	No	14	0.005121	0.001908	0	None	No	0.01	Param.
Selenium (mg/L)	MW-304	0.006781	0.003757	0.05	No	13	0.005269	0.002034	0	None	No	0.01	Param.
Selenium (mg/L)	MW-305	0.00027	0.00025	0.05	No	14	0.0002514	0.000005345	92.86	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-308	0.006079	0.003763	0.05	No	14	0.004921	0.001635	0	None	No	0.01	Param.
Thallium (mg/L)	MW-300	0.0001	0.0001	0.002	No	14	0.0001	0	100	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-303	0.0002206	0.0001652	0.002	No	14	0.0001929	0.00003911	7.143	None	No	0.01	Param.
Thallium (mg/L)	MW-304	0.0001968	0.0001168	0.002	No	14	0.0001568	0.00005649	14.29	None	No	0.01	Param.
Thallium (mg/L)	MW-305	0.0001	0.0001	0.002	No	14	0.0001	0	100	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-308	0.0003092	0.000218	0.002	No	14	0.0002636	0.0000644	7.143	None	No	0.01	Param.

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

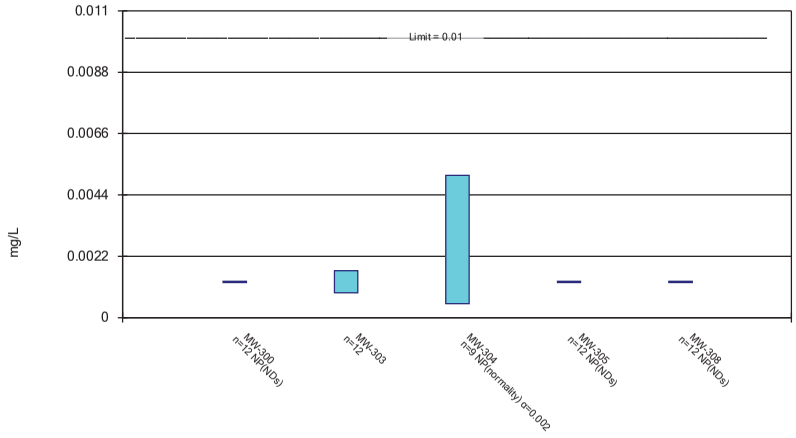


Constituent: Antimony Analysis Run 3/16/2020 9:03 AM View: Confidence Intervals - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25e Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

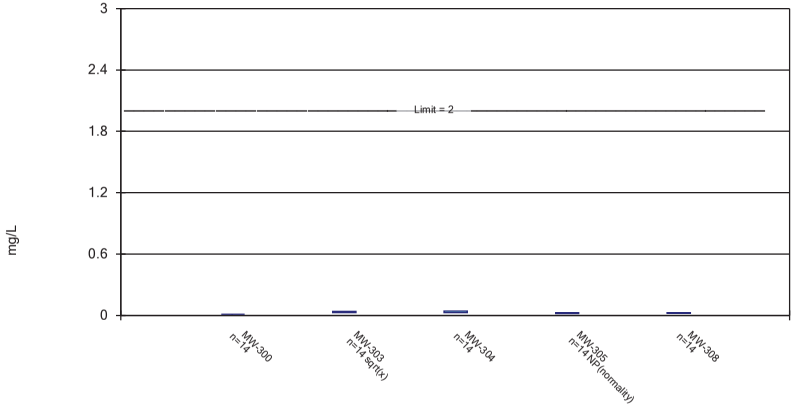


Constituent: Arsenic Analysis Run 3/16/2020 9:03 AM View: Confidence Intervals - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25e Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

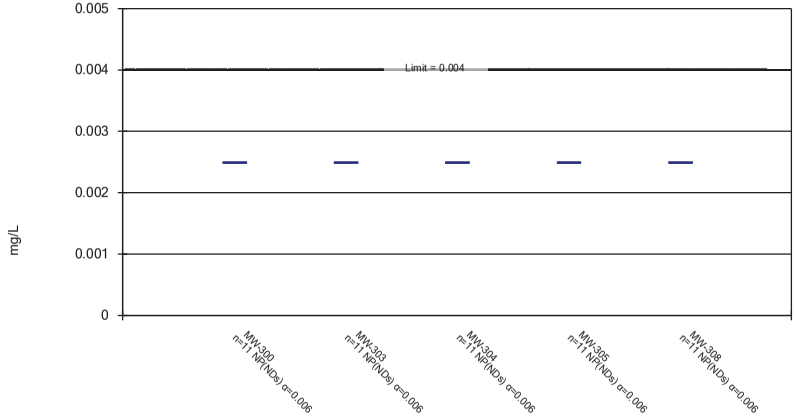


Constituent: Barium Analysis Run 3/16/2020 9:03 AM View: Confidence Intervals - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25e Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

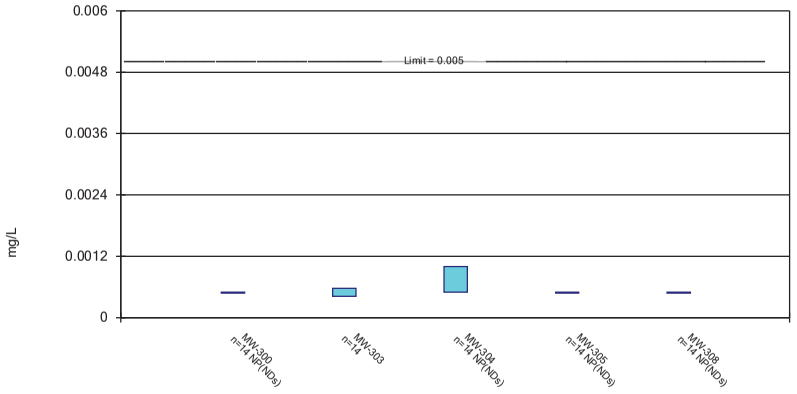
Compliance Limit is not exceeded.



Constituent: Beryllium Analysis Run 3/16/2020 9:03 AM View: Confidence Intervals - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist 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.

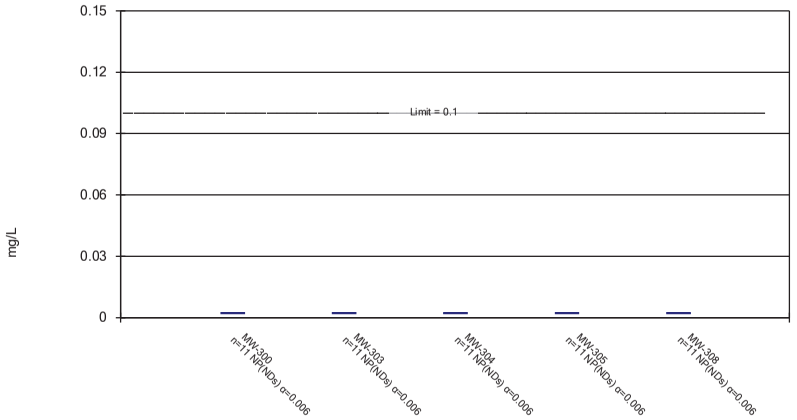


Constituent: Cadmium Analysis Run 3/16/2020 9:03 AM View: Confidence Intervals - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25e Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

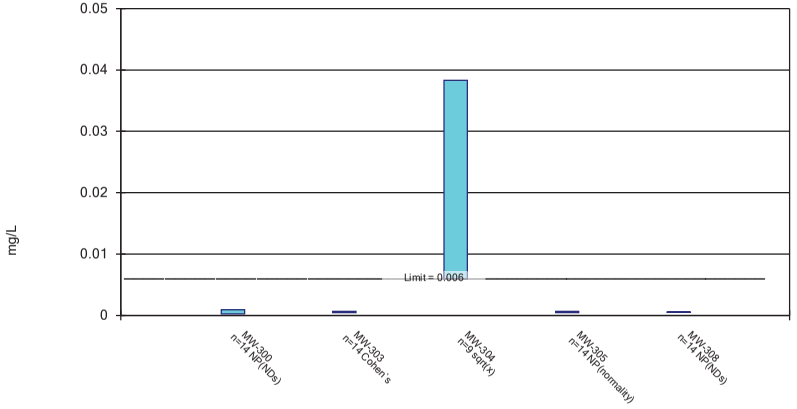


Constituent: Chromium Analysis Run 3/16/2020 9:03 AM View: Confidence Intervals - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25e Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

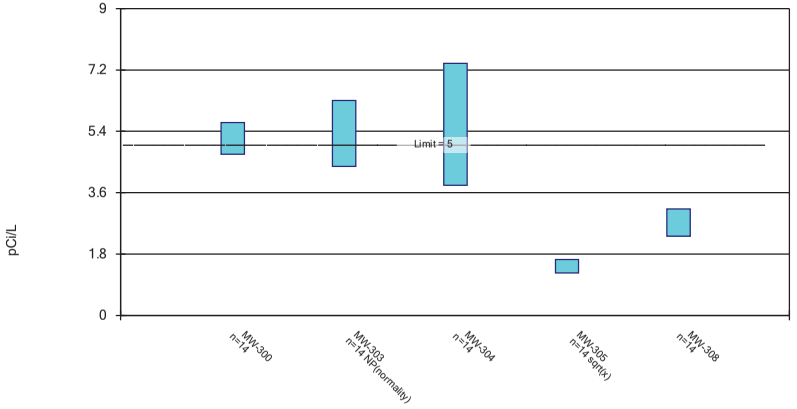


Constituent: Cobalt Analysis Run 3/16/2020 9:03 AM View: Confidence Intervals - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25e Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

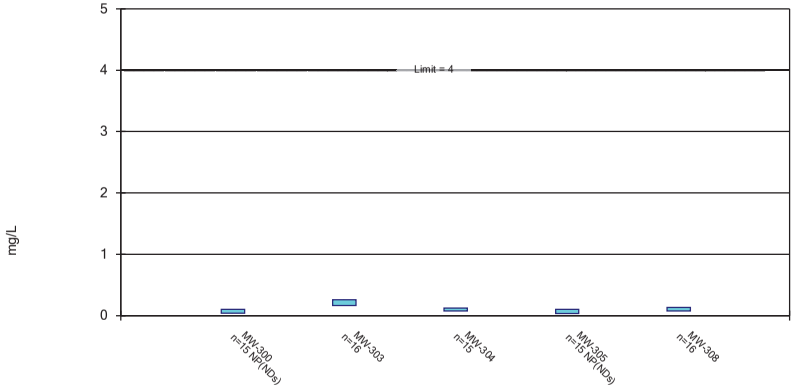
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 3/16/2020 9:03 AM View: Confidence Intervals - 3
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

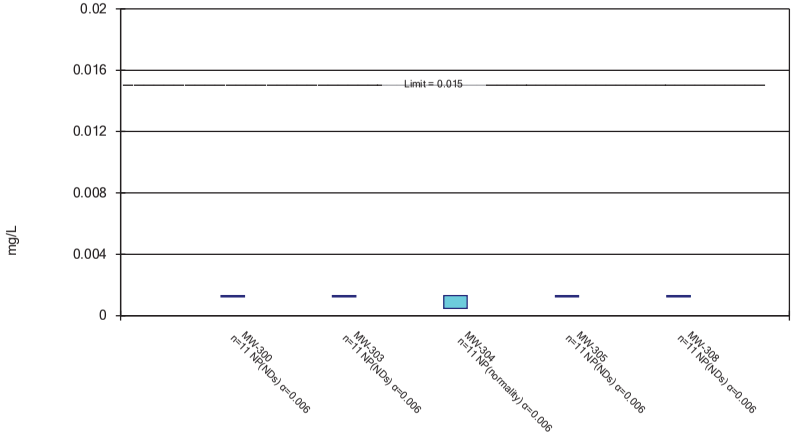
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 3/16/2020 9:03 AM View: Confidence Intervals - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Non-Parametric Confidence Interval

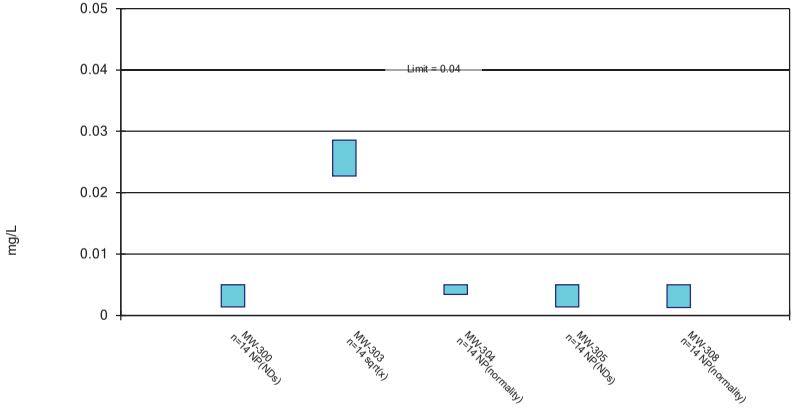
Compliance Limit is not exceeded.



Constituent: Lead Analysis Run 3/16/2020 9:03 AM View: Confidence Intervals - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

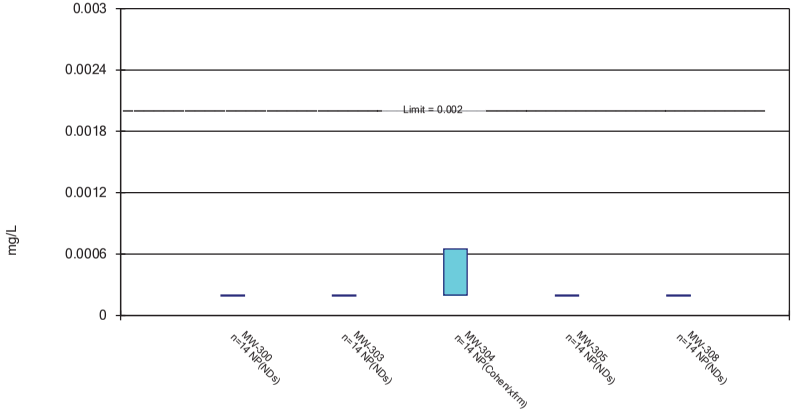
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 3/16/2020 9:03 AM View: Confidence Intervals - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Non-Parametric Confidence Interval

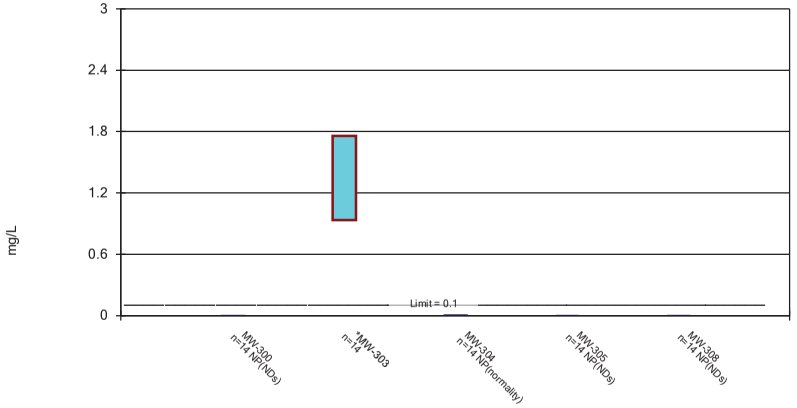
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 3/16/2020 9:03 AM View: Confidence Intervals - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

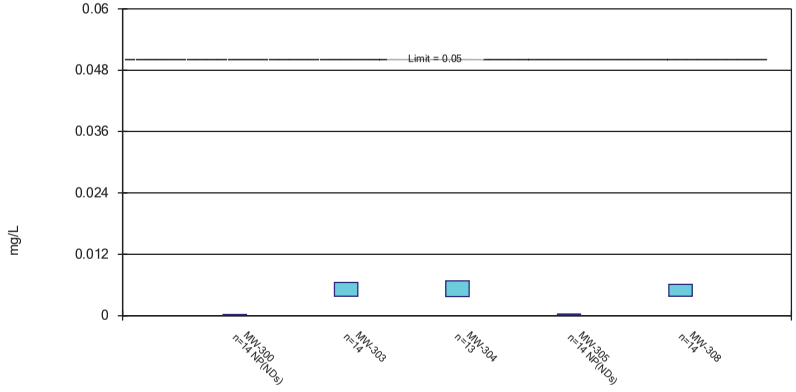


Constituent: Molybdenum Analysis Run 3/16/2020 9:04 AM View: Confidence Intervals - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25e Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

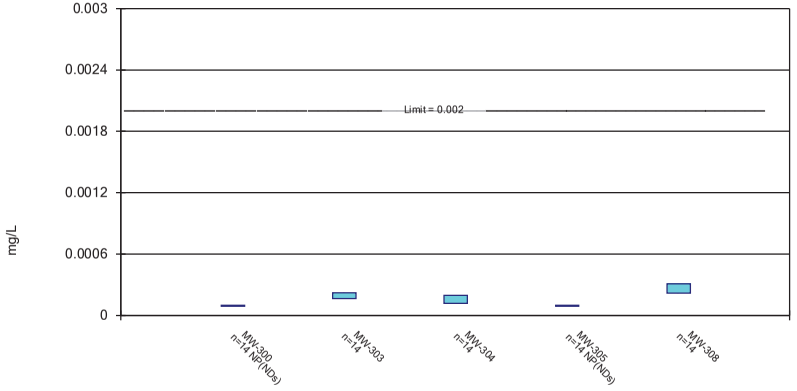


Constituent: Selenium Analysis Run 3/16/2020 9:04 AM View: Confidence Intervals - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25e Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



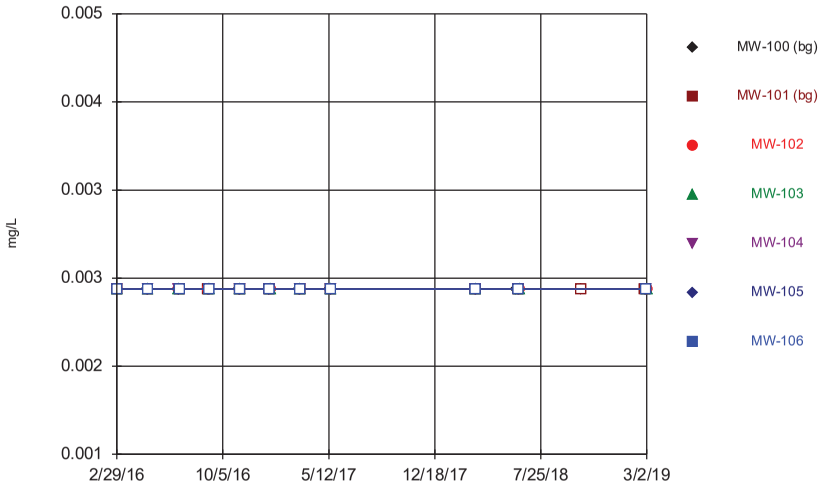
Constituent: Thallium Analysis Run 3/16/2020 9:04 AM View: Confidence Intervals - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Time Series - 100, 200 & 300 Series

100 Series

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

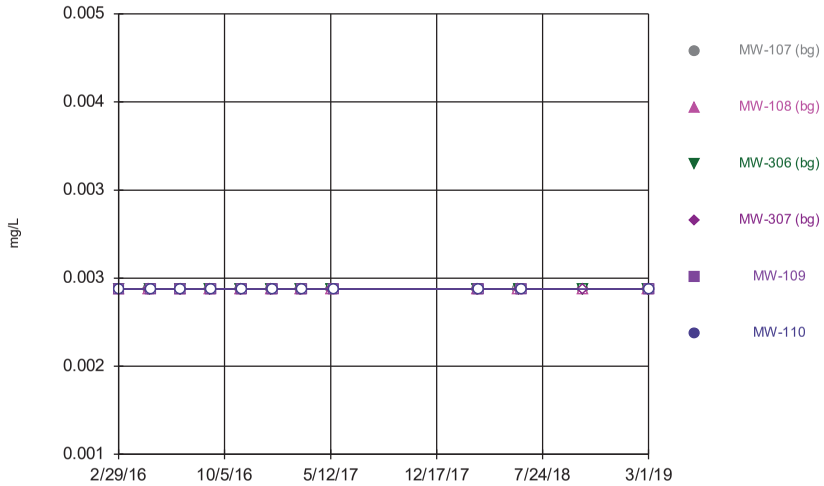
Time Series



Constituent: Antimony Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

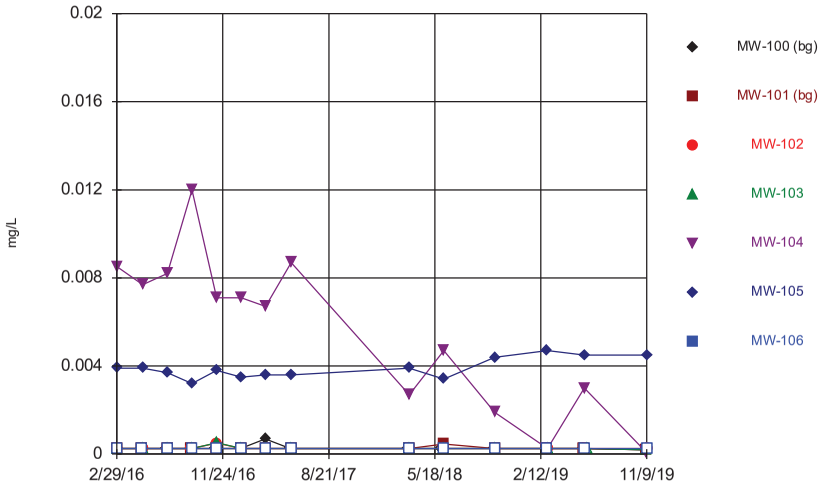
Time Series



Constituent: Antimony Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

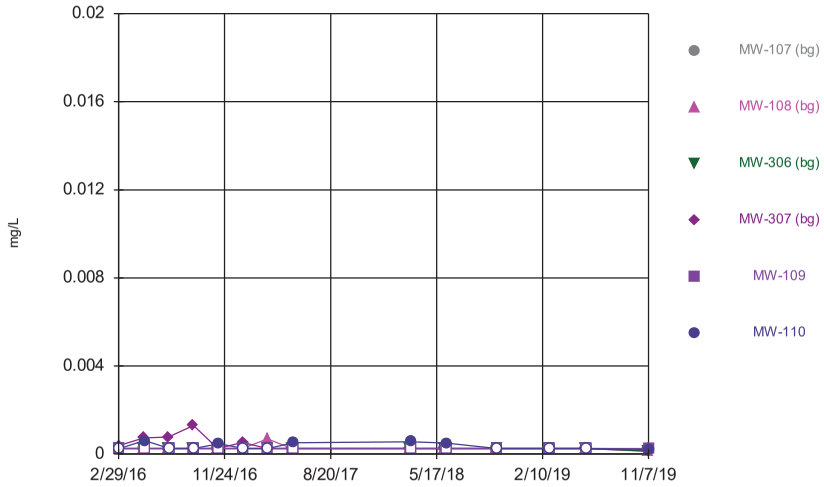
Time Series



Constituent: Arsenic Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

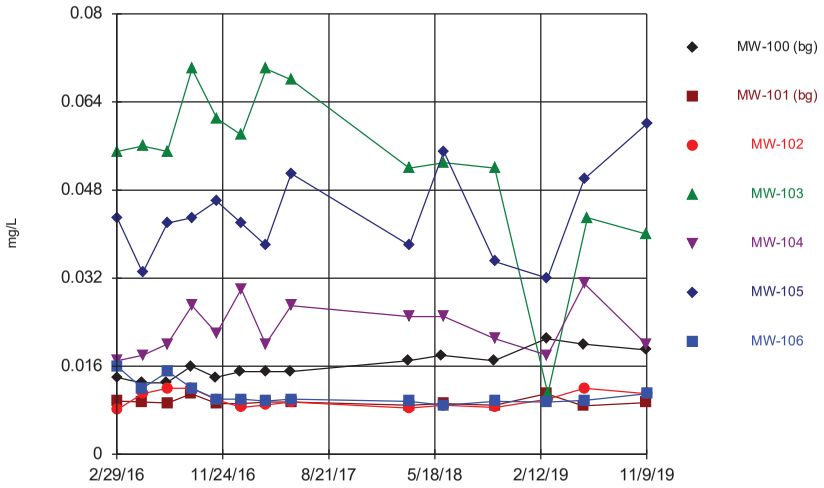
Time Series



Constituent: Arsenic Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

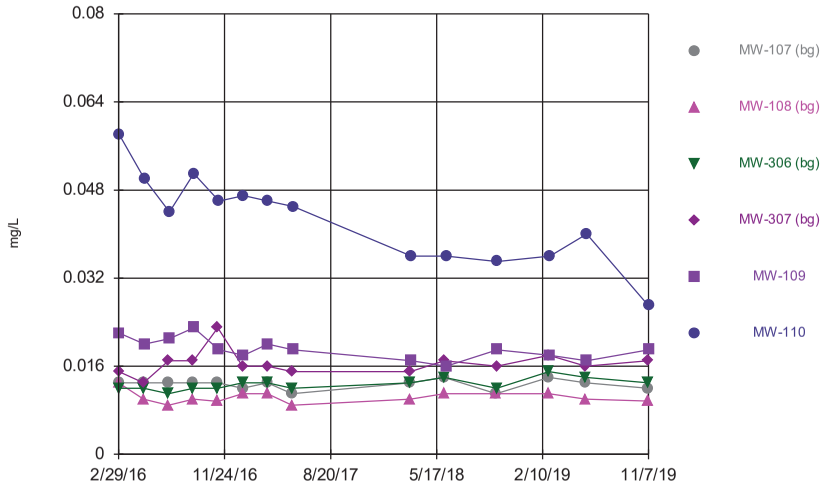
Time Series



Constituent: Barium Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

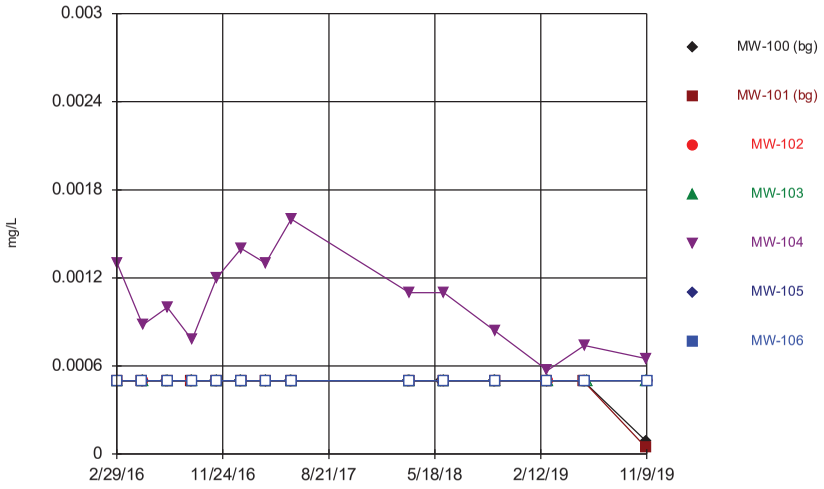
Time Series



Constituent: Barium Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

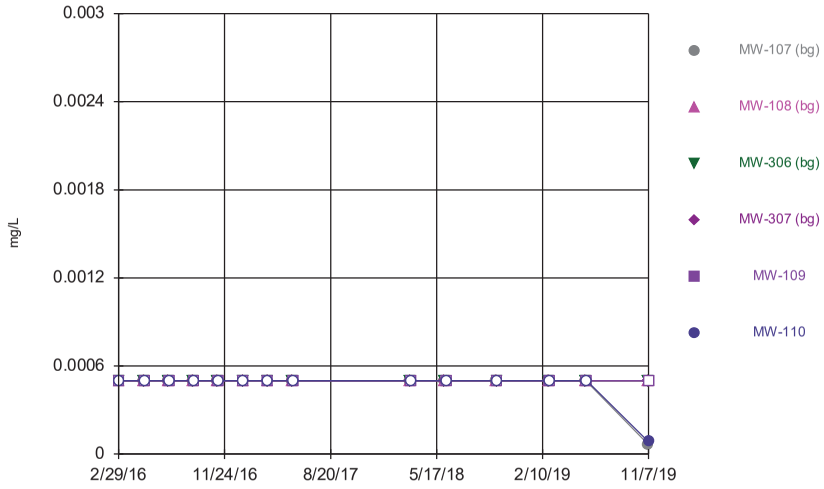
Time Series



Constituent: Beryllium Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

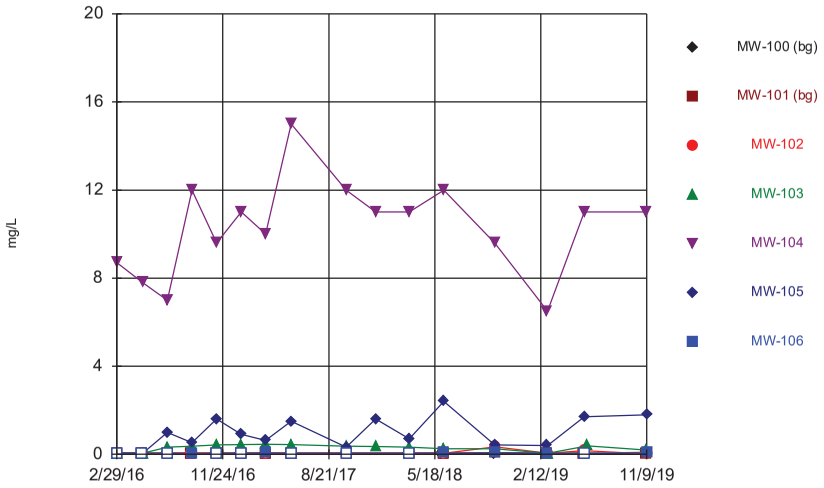
Time Series



Constituent: Beryllium Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

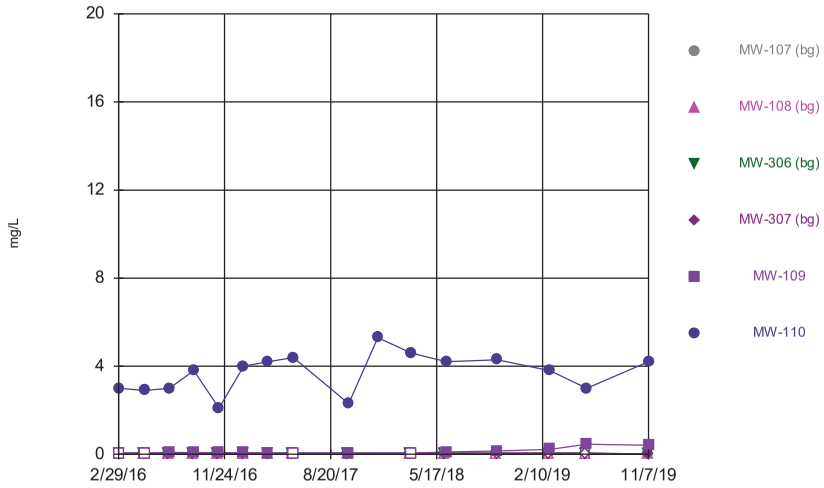
Time Series



Constituent: Boron Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

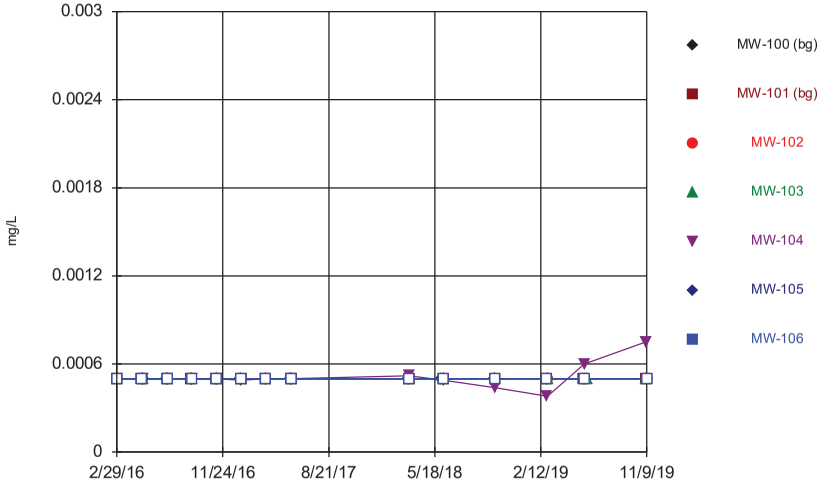
Time Series



Constituent: Boron Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

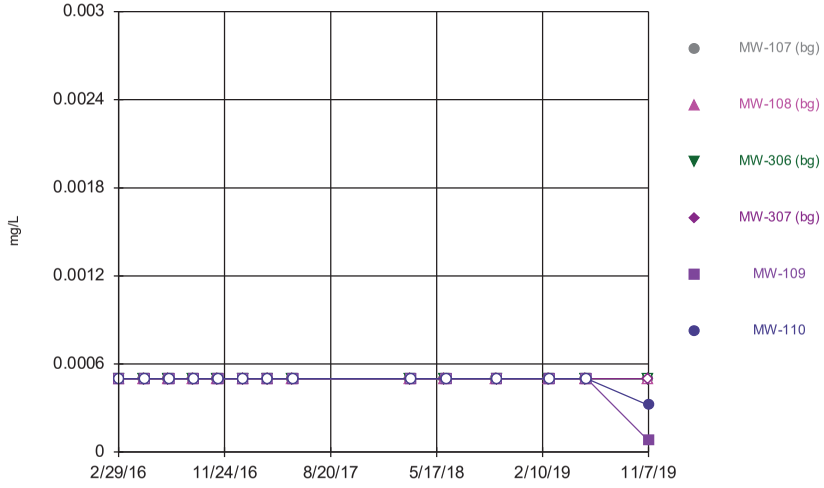
Time Series



Constituent: Cadmium Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

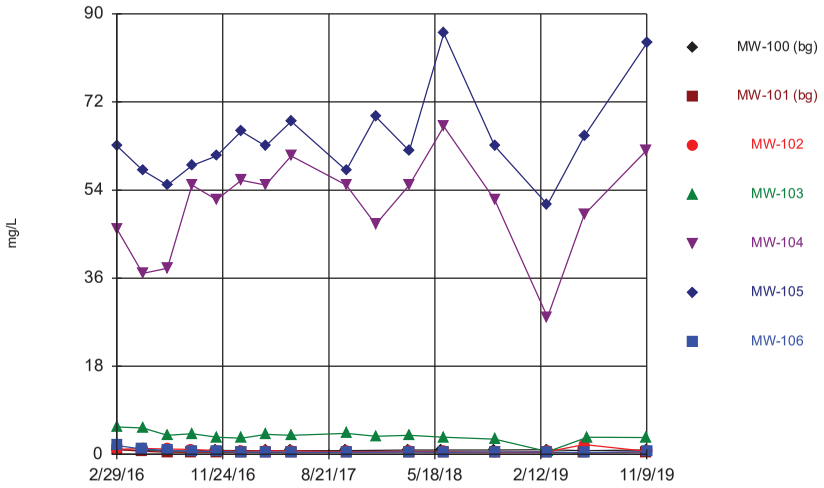
Time Series



Constituent: Cadmium Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

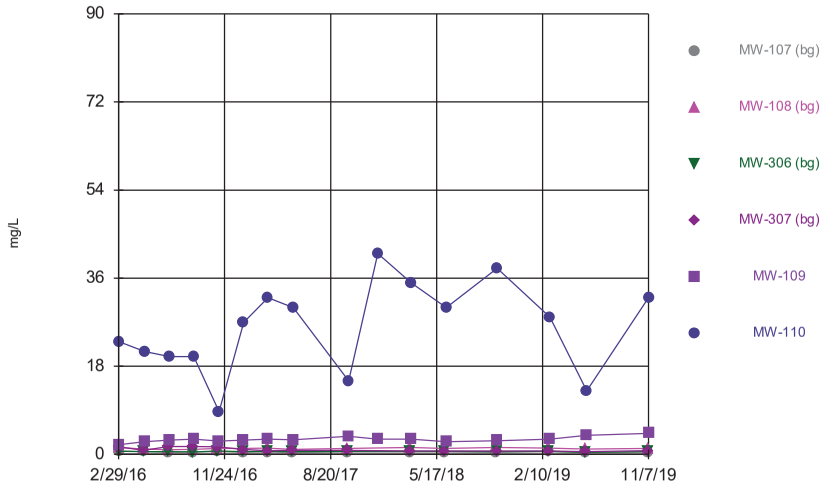
Time Series



Constituent: Calcium Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

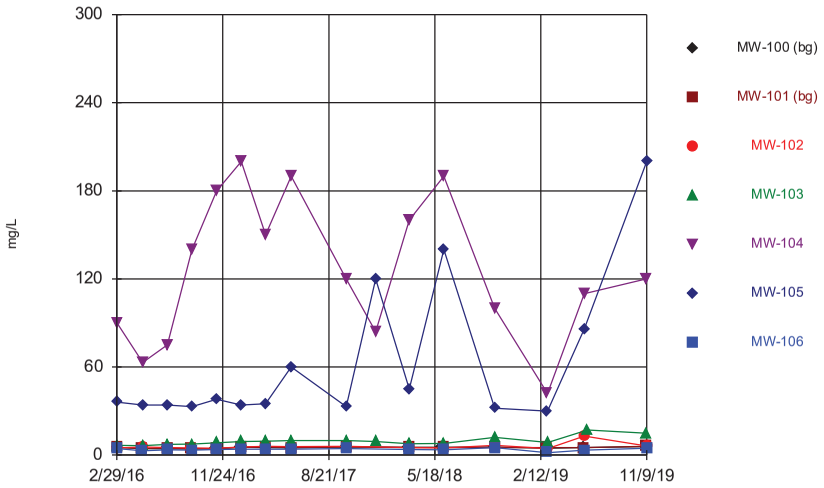
Time Series



Constituent: Calcium Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

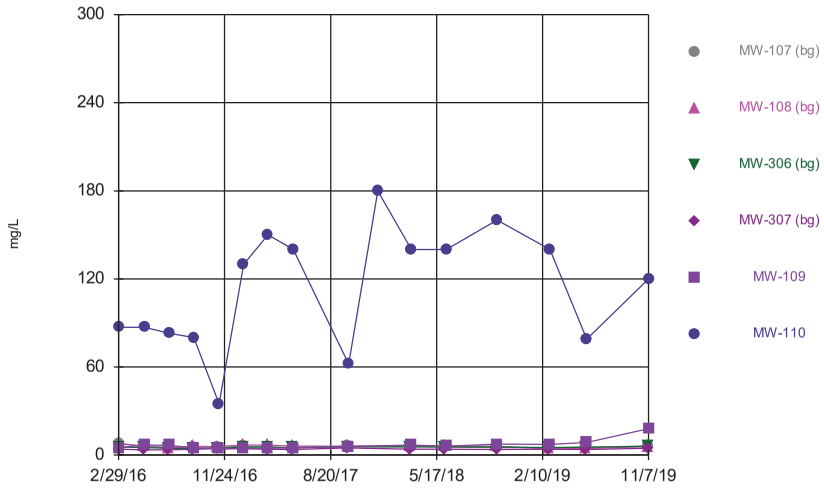
Time Series



Constituent: Chloride Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

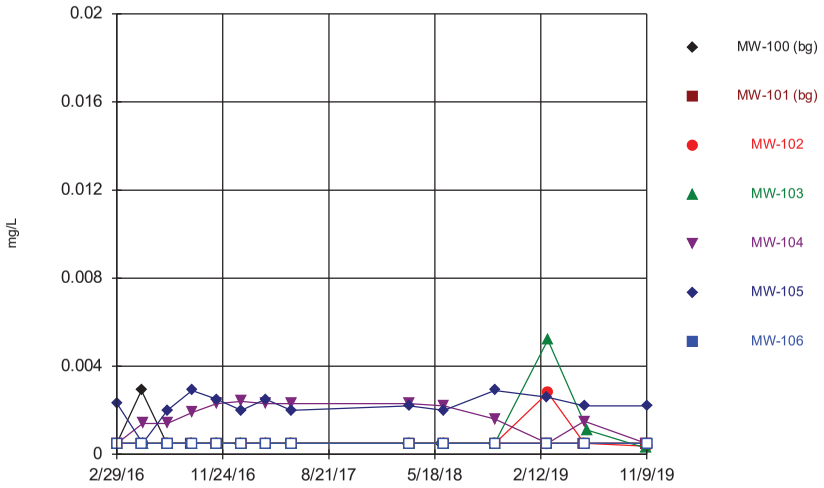
Time Series



Constituent: Chloride Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

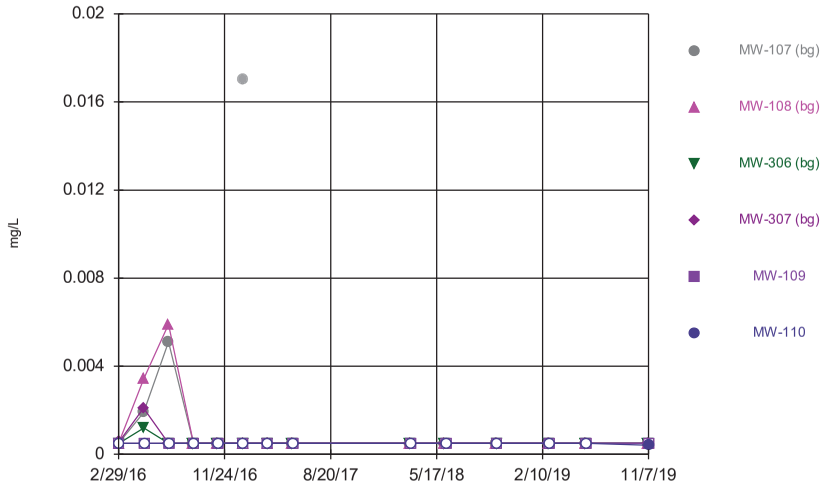
Time Series



Constituent: Chromium Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

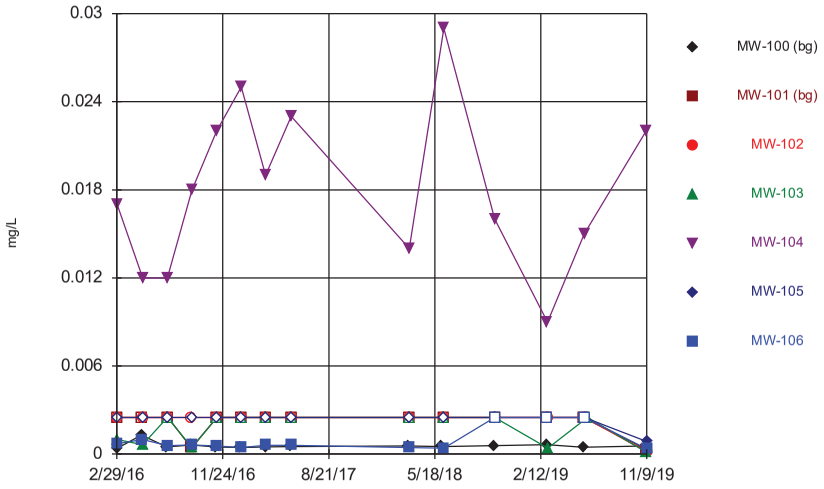
Time Series



Constituent: Chromium Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

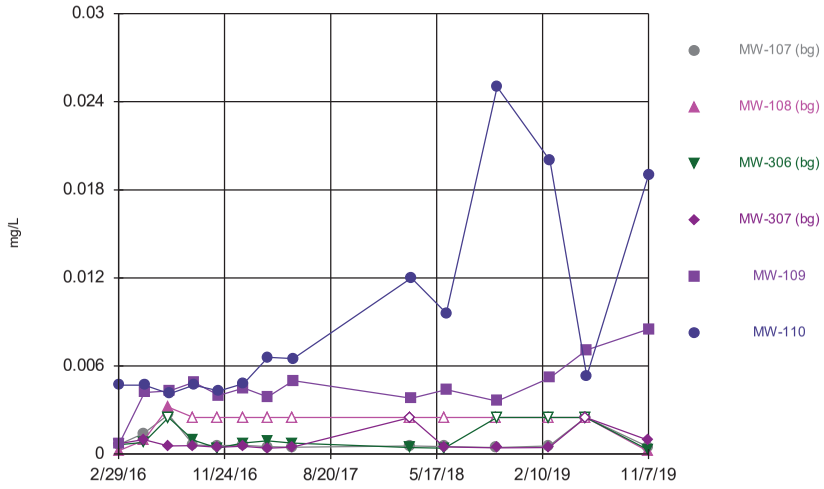
Time Series



Constituent: Cobalt Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

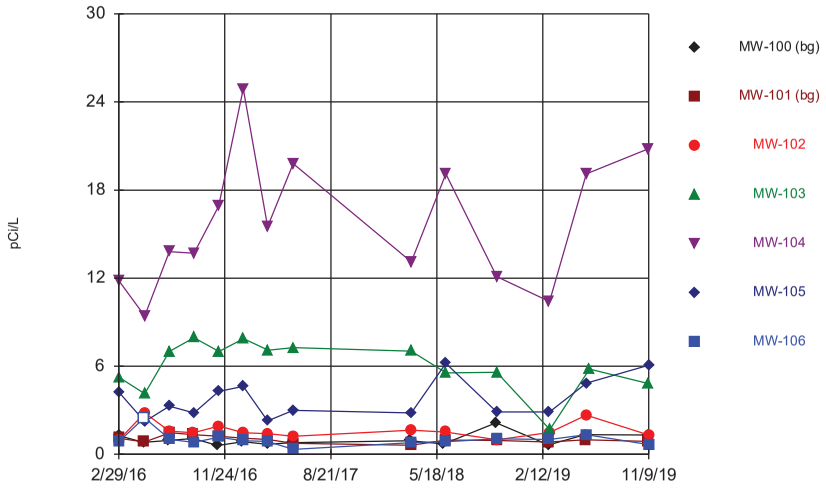
Time Series



Constituent: Cobalt Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

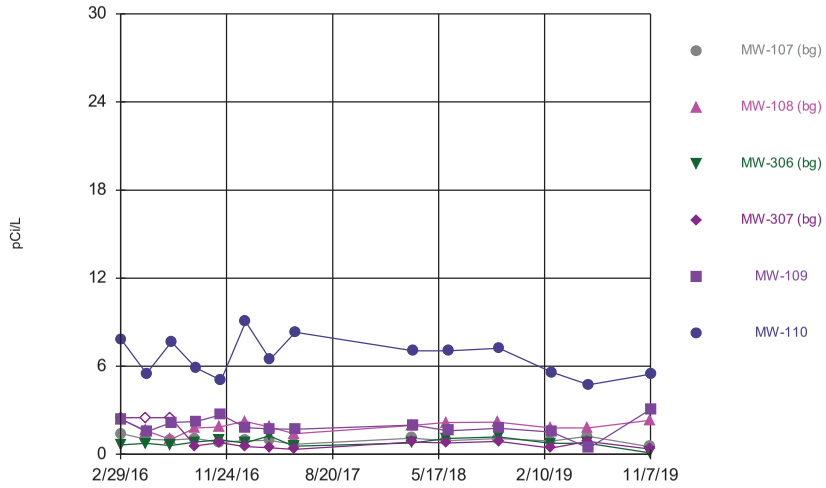
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

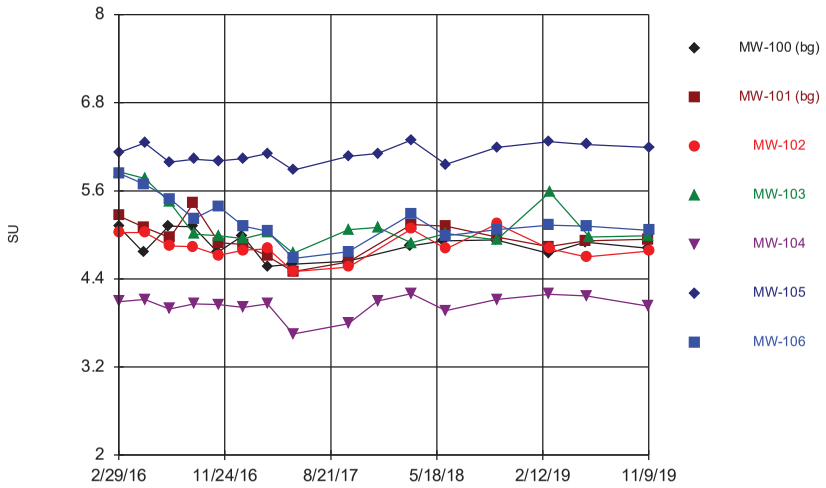
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

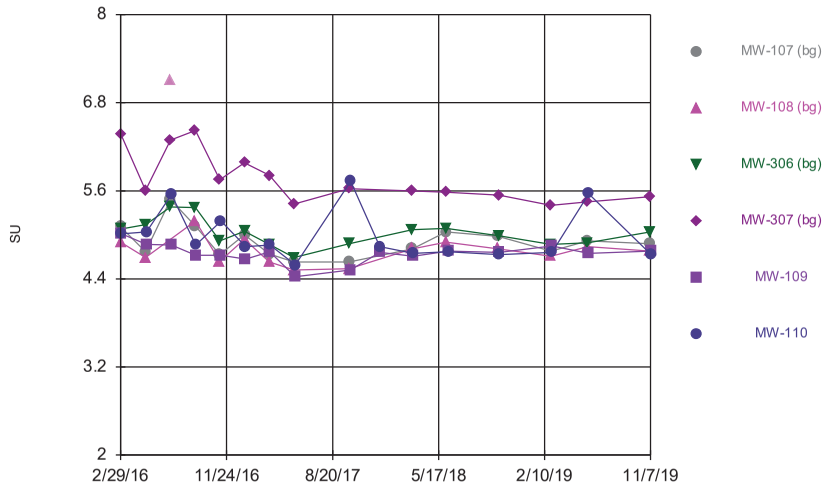
Time Series



Constituent: Field pH Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

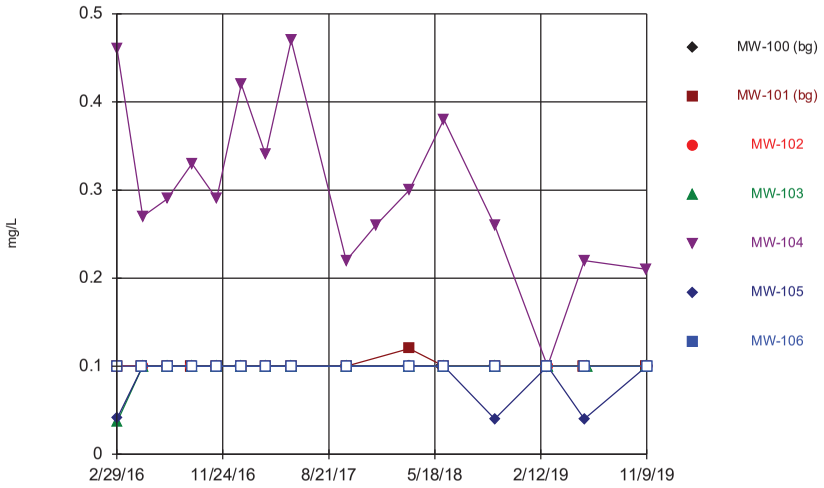
Time Series



Constituent: Field pH Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

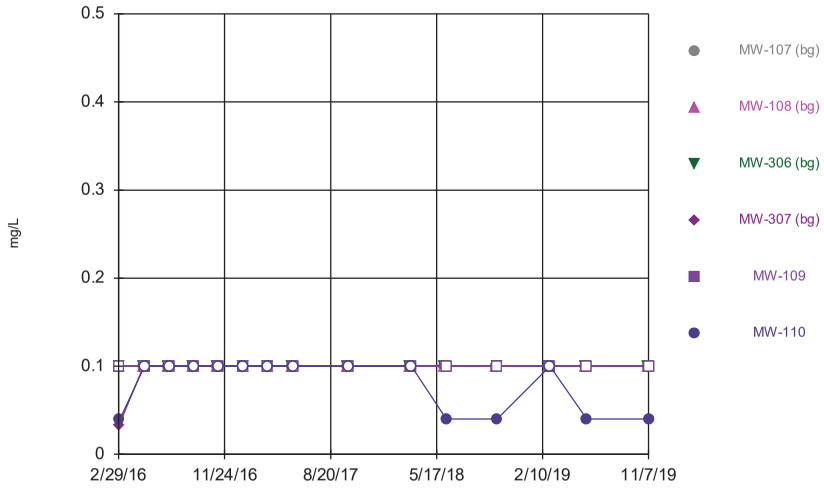
Time Series



Constituent: Fluoride Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

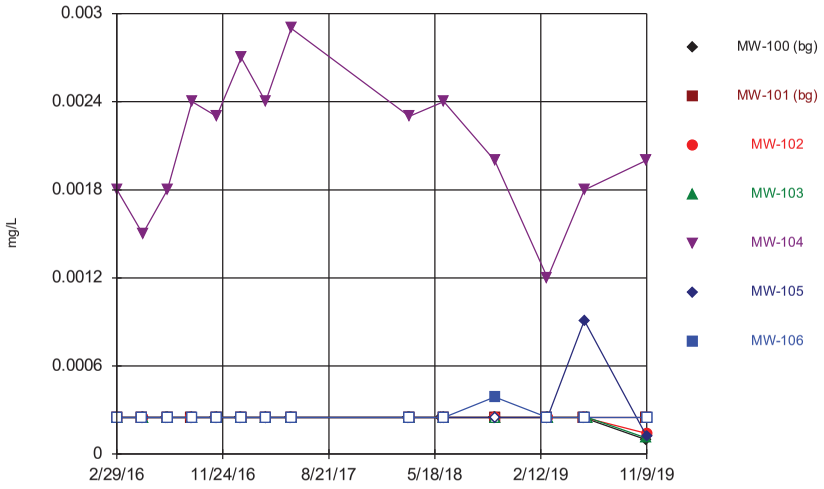
Time Series



Constituent: Fluoride Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

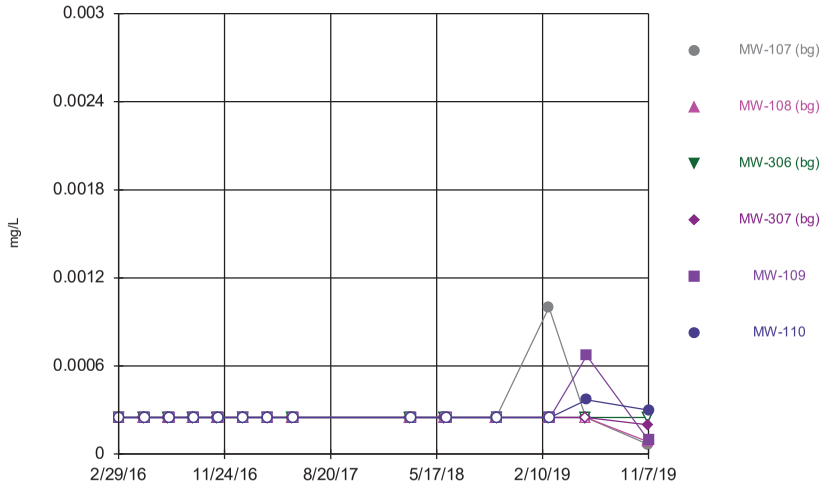
Time Series



Constituent: Lead Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

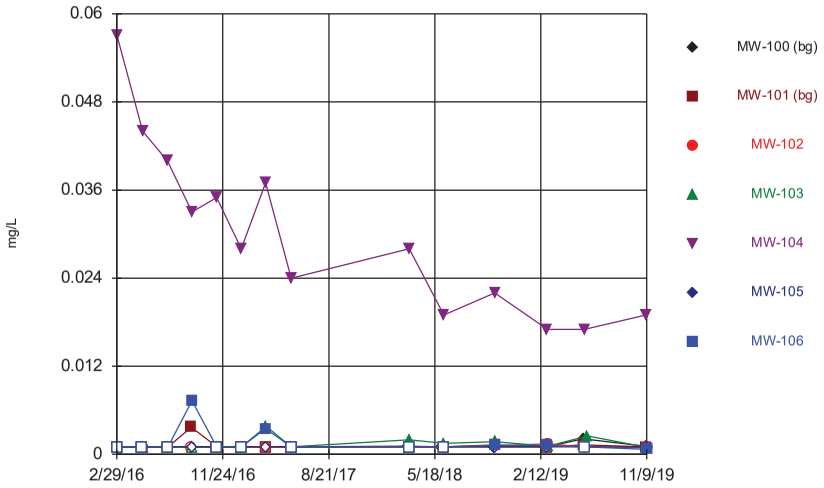
Time Series



Constituent: Lead Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

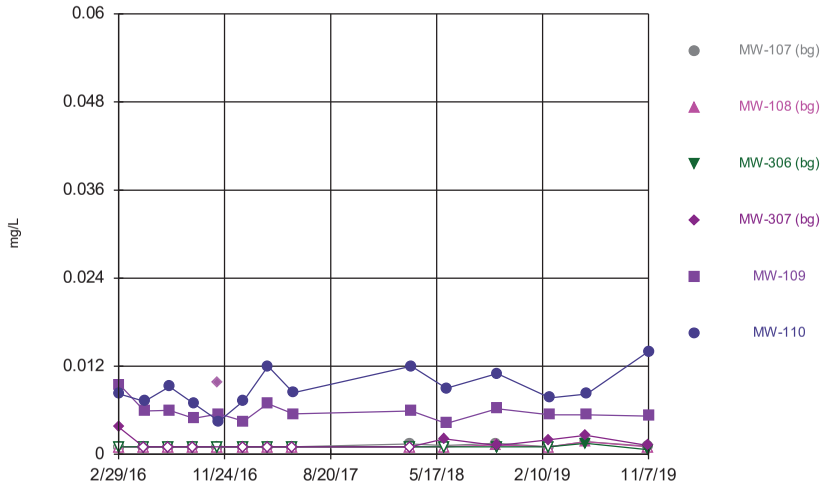
Time Series



Constituent: Lithium Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

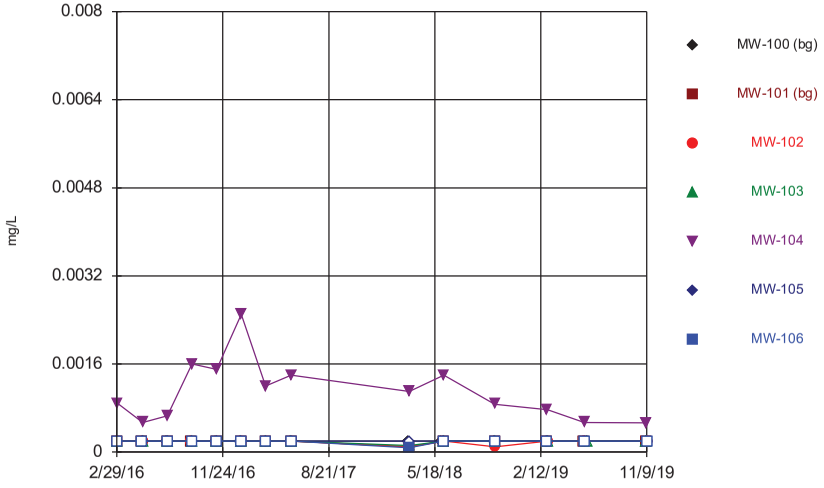
Time Series



Constituent: Lithium Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

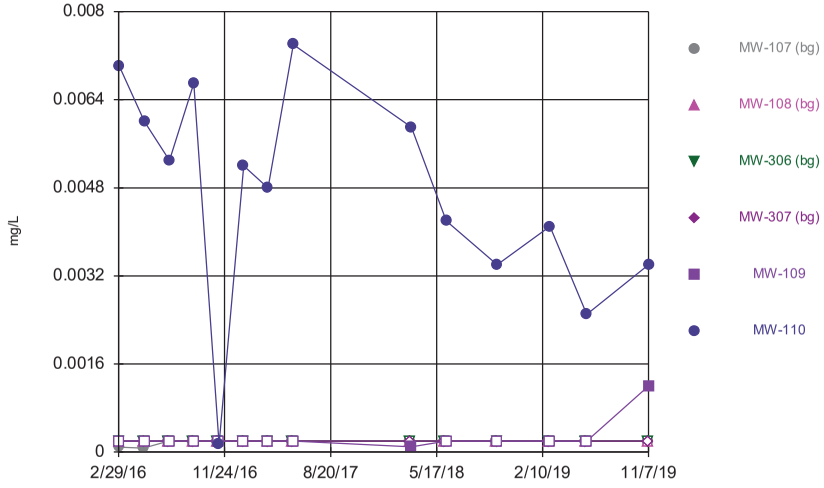
Time Series



Constituent: Mercury Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

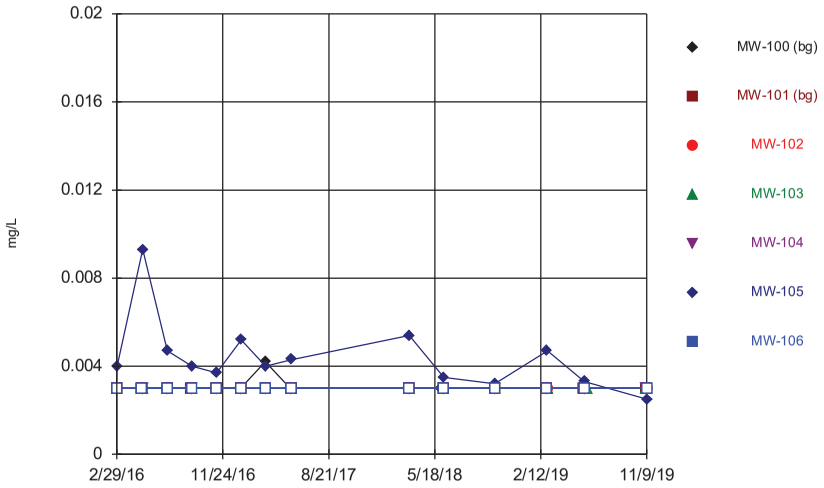
Time Series



Constituent: Mercury Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

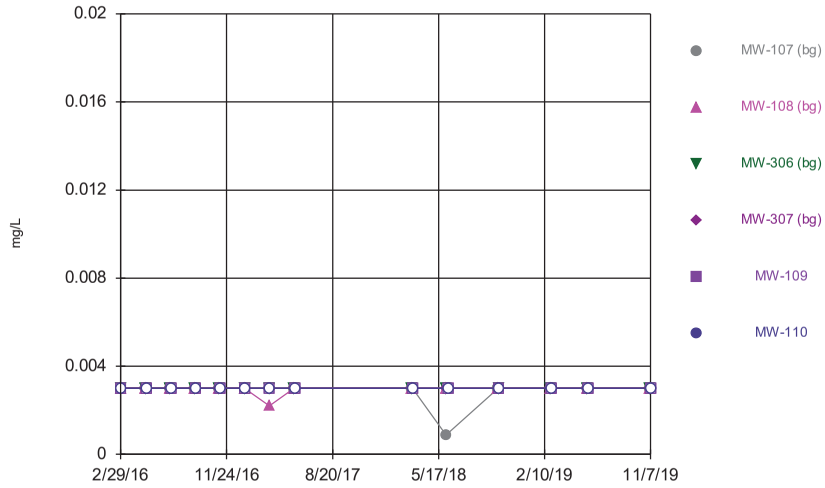
Time Series



Constituent: Molybdenum Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

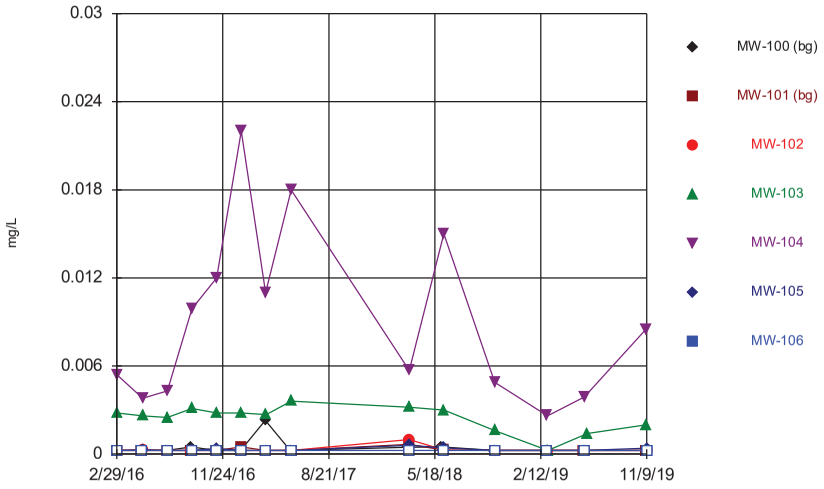
Time Series



Constituent: Molybdenum Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

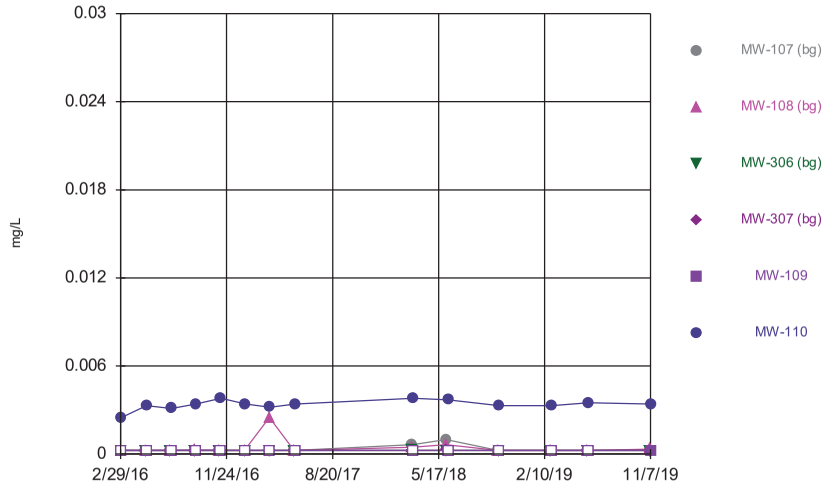
Time Series



Constituent: Selenium Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

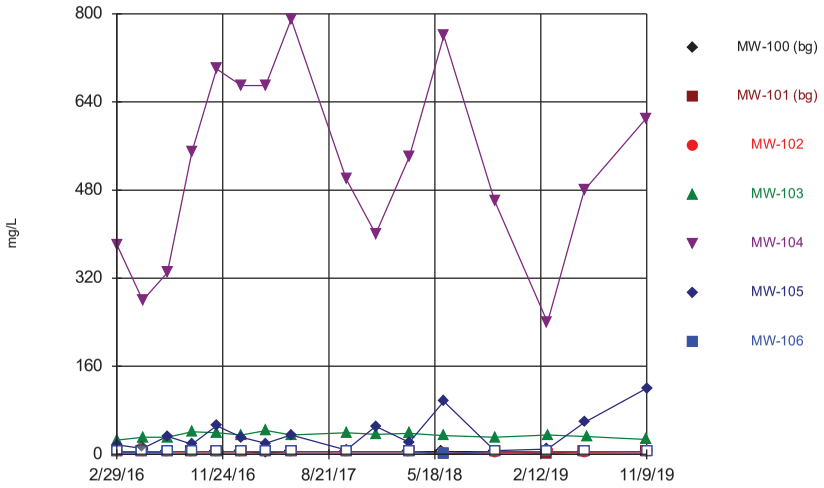
Time Series



Constituent: Selenium Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

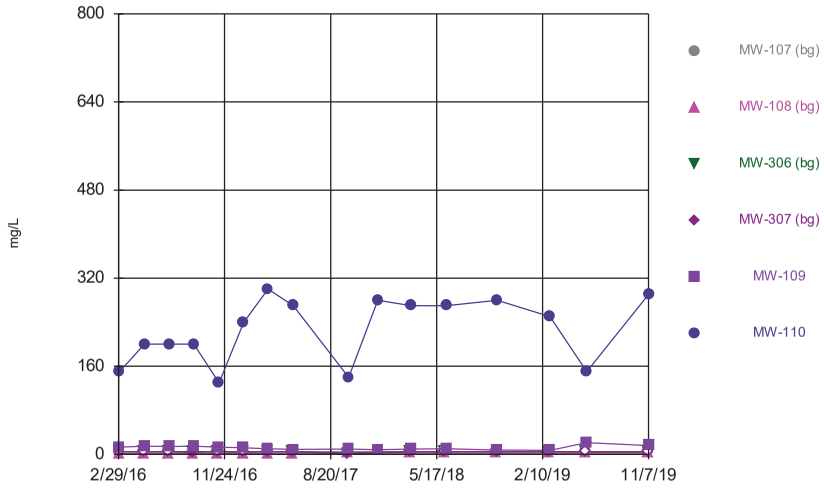
Time Series



Constituent: Sulfate Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

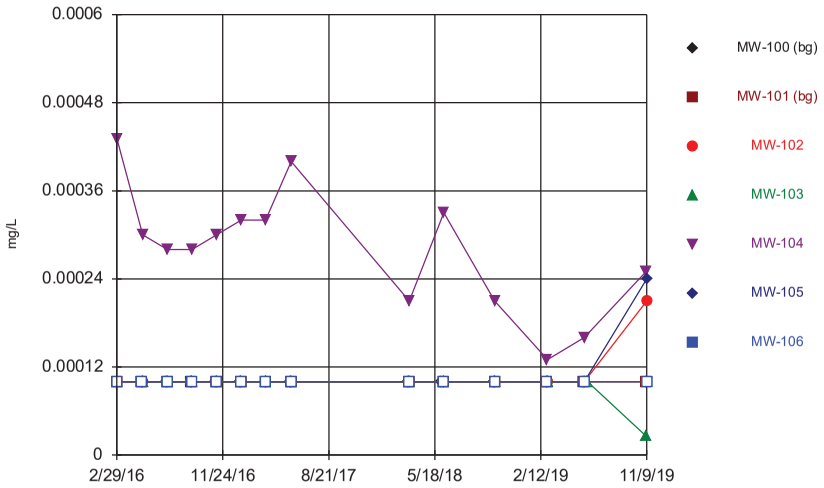
Time Series



Constituent: Sulfate Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

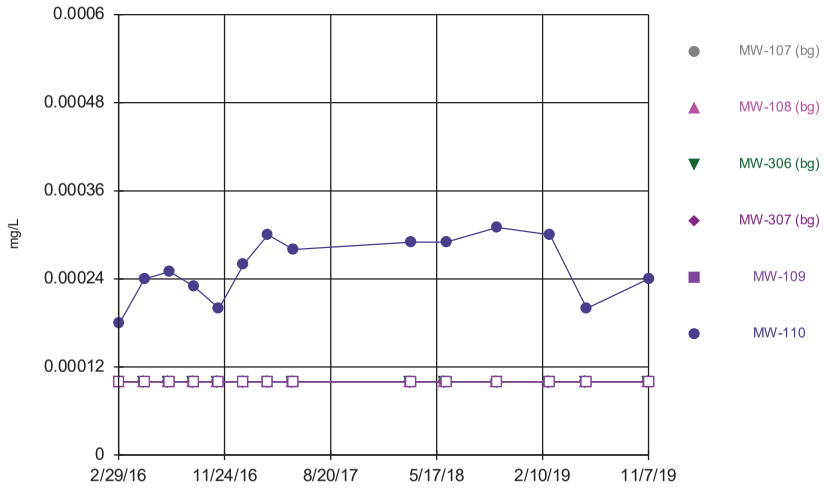
Time Series



Constituent: Thallium Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

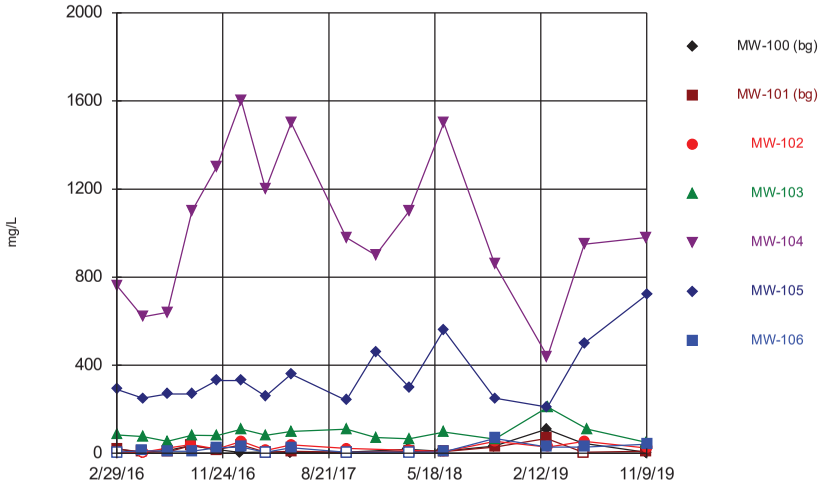
Time Series



Constituent: Thallium Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

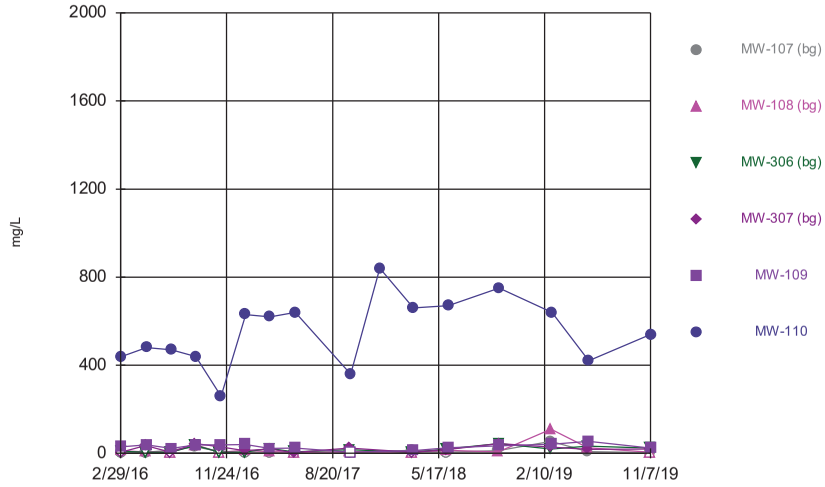
Time Series



Constituent: Total Dissolved Solids Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Total Dissolved Solids Analysis Run 3/9/2020 7:45 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	<0.0025	<0.0025						<0.0025	<0.0025
3/1/2016			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
5/2/2016	<0.0025							<0.0025	<0.0025
5/4/2016		<0.0025					<0.0025		
5/5/2016			<0.0025	<0.0025	<0.0025	<0.0025			
7/5/2016	<0.0025							<0.0025	<0.0025
7/7/2016			<0.0025	<0.0025	<0.0025	<0.0025			
7/8/2016		<0.0025					<0.0025		
9/6/2016	<0.0025	<0.0025	<0.0025					<0.0025	<0.0025
9/7/2016				<0.0025	<0.0025	<0.0025	<0.0025		
11/7/2016	<0.0025							<0.0025	<0.0025
11/9/2016					<0.0025	<0.0025	<0.0025		
11/10/2016		<0.0025	<0.0025	<0.0025					
1/9/2017	<0.0025							<0.0025	<0.0025
1/11/2017		<0.0025			<0.0025	<0.0025	<0.0025		
1/12/2017			<0.0025	<0.0025					
3/13/2017	<0.0025							<0.0025	<0.0025
3/14/2017		<0.0025			<0.0025	<0.0025	<0.0025		
3/15/2017			<0.0025	<0.0025					
5/15/2017	<0.0025							<0.0025	<0.0025
5/18/2017		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
3/12/2018	<0.0025							<0.0025	<0.0025
3/14/2018		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
6/5/2018	<0.0025							<0.0025	<0.0025
6/10/2018		<0.0025			<0.0025	<0.0025	<0.0025		
6/11/2018			<0.0025	<0.0025					
10/16/2018	<0.0025							<0.0025	<0.0025
10/18/2018		<0.0025							
2/27/2019	<0.0025	<0.0025						<0.0025	<0.0025
3/1/2019					<0.0025	<0.0025	<0.0025		
3/2/2019			<0.0025	<0.0025					

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	<0.0025	<0.0025		
3/2/2016			<0.0025	<0.0025
5/2/2016		<0.0025		
5/3/2016	<0.0025			
5/5/2016			<0.0025	<0.0025
7/5/2016	<0.0025	<0.0025		
7/7/2016			<0.0025	<0.0025
9/6/2016	<0.0025	<0.0025		
9/7/2016			<0.0025	<0.0025
11/7/2016	<0.0025	<0.0025		
11/10/2016			<0.0025	<0.0025
1/9/2017	<0.0025	<0.0025		
1/12/2017			<0.0025	<0.0025
3/13/2017	<0.0025	<0.0025		
3/14/2017			<0.0025	
3/15/2017				<0.0025
5/15/2017	<0.0025	<0.0025		
5/18/2017			<0.0025	<0.0025
3/12/2018	<0.0025	<0.0025		
3/14/2018			<0.0025	<0.0025
6/6/2018	<0.0025	<0.0025		
6/11/2018			<0.0025	<0.0025
10/17/2018	<0.0025	<0.0025		
2/27/2019	<0.0025	<0.0025		
3/1/2019			<0.0025	<0.0025

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	<0.00025	<0.00025						<0.00025	<0.00025
3/1/2016			<0.00025	<0.00025	0.0085	0.0039 (J)	<0.00025		
5/2/2016	<0.00025							<0.00025	<0.00025
5/4/2016		<0.00025					<0.00025		
5/5/2016			<0.00025	<0.00025	0.0077	0.0039			
7/5/2016	<0.00025							<0.00025	<0.00025
7/7/2016			<0.00025	<0.00025	0.0082	0.0037			
7/8/2016		<0.00025					<0.00025		
9/6/2016	<0.00025	<0.00025	<0.00025					<0.00025	<0.00025
9/7/2016				<0.00025	0.012	0.0032	<0.00025		
11/7/2016	<0.00025							<0.00025	<0.00025
11/9/2016					0.0071	0.0038	<0.00025		
11/10/2016		<0.00025	0.0005 (J)	0.00051 (J)					
1/9/2017	<0.00025							<0.00025	<0.00025
1/11/2017		<0.00025			0.0071	0.0035	<0.00025		
1/12/2017			<0.00025	<0.00025					
3/13/2017	0.00069 (J)							<0.00025	0.00069 (J)
3/14/2017		<0.00025			0.0067	0.0036	<0.00025		
3/15/2017			<0.00025	<0.00025					
5/15/2017	<0.00025							<0.00025	<0.00025
5/18/2017		<0.00025	<0.00025	<0.00025	0.0087	0.0036	<0.00025		
3/12/2018	<0.00025							<0.00025	<0.00025
3/14/2018		<0.00025	<0.00025	<0.00025	0.0027	0.0039	<0.00025		
6/5/2018	<0.00025							<0.00025	<0.00025
6/10/2018		0.00046 (J)			0.0047	0.0034	<0.00025		
6/11/2018			<0.00025	<0.00025					
10/16/2018	<0.00025							<0.00025	<0.00025
10/18/2018		<0.00025		<0.00025	0.0019	0.0044	<0.00025		
10/19/2018			<0.00025						
2/27/2019	<0.00025	<0.00025						<0.00025	<0.00025
3/1/2019					<0.00025	0.0047	<0.00025		
3/2/2019			<0.00025	<0.00025					
5/31/2019	<0.00025	<0.00025						<0.00025	<0.00025
6/3/2019			<0.00025		0.003	0.0045	<0.00025		
6/11/2019				<0.00025					
11/6/2019	0.0002 (J)	0.00019 (J)						0.0002 (J)	0.00012 (J)
11/7/2019				0.00019 (J)	8.9E-05 (J)				
11/9/2019			<0.00025			0.0045	<0.00025		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	<0.00025	0.00038 (J)		
3/2/2016			<0.00025	<0.00025
5/2/2016		0.00073 (J)		
5/3/2016	<0.00025			
5/5/2016			<0.00025	0.00061 (J)
7/5/2016	<0.00025	0.00077 (J)		
7/7/2016			<0.00025	<0.00025
9/6/2016	<0.00025	0.0013		
9/7/2016			<0.00025	<0.00025
11/7/2016	<0.00025	<0.00025		
11/10/2016			<0.00025	0.00047 (J)
1/9/2017	<0.00025	0.00053 (J)		
1/12/2017			<0.00025	<0.00025
3/13/2017	<0.00025	<0.00025		
3/14/2017			<0.00025	
3/15/2017				<0.00025
5/15/2017	<0.00025	<0.00025		
5/18/2017			<0.00025	0.00051 (J)
3/12/2018	<0.00025	<0.00025		
3/14/2018			<0.00025	0.00056 (J)
6/6/2018	<0.00025	<0.00025		
6/11/2018			<0.00025	0.0005 (J)
10/17/2018	<0.00025	<0.00025		
10/18/2018			<0.00025	<0.00025
2/27/2019	<0.00025	<0.00025		
3/1/2019			<0.00025	<0.00025
5/31/2019	<0.00025	<0.00025		
6/3/2019			<0.00025	<0.00025
11/6/2019	0.00014 (J)	0.00024 (J)		
11/7/2019			0.00025 (V)	0.0002 (J)

Time Series

Constituent: Barium (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	0.014	0.0097 (J)						0.013	0.013
3/1/2016			0.0081 (J)	0.055	0.017	0.043	0.016		
5/2/2016	0.013							0.013	0.01
5/4/2016		0.0095					0.012		
5/5/2016			0.011	0.056	0.018	0.033			
7/5/2016	0.013							0.013	0.0089
7/7/2016			0.012	0.055	0.02	0.042			
7/8/2016		0.0093					0.015		
9/6/2016	0.016	0.011	0.012					0.013	0.01
9/7/2016				0.07	0.027	0.043	0.012		
11/7/2016	0.014							0.013	0.0096
11/9/2016					0.022	0.046	0.01		
11/10/2016		0.0092	0.0099	0.061					
1/9/2017	0.015							0.012	0.011
1/11/2017		0.0092			0.03	0.042	0.01		
1/12/2017			0.0085	0.058					
3/13/2017	0.015							0.013	0.011
3/14/2017		0.0095			0.02	0.038	0.0097		
3/15/2017			0.009	0.07					
5/15/2017	0.015							0.011	0.0089
5/18/2017		0.0095	0.0095	0.068	0.027	0.051	0.01		
3/12/2018	0.017							0.013	0.01
3/14/2018		0.0089	0.0084	0.052	0.025	0.038	0.0096		
6/5/2018	0.018							0.014	0.011
6/10/2018		0.0092			0.025	0.055	0.0089		
6/11/2018			0.0089	0.053					
10/16/2018	0.017							0.011	0.011
10/18/2018		0.0089		0.052	0.021	0.035	0.0096		
10/19/2018			0.0085						
2/27/2019	0.021	0.011						0.014	0.011
3/1/2019					0.018	0.032	0.0095		
3/2/2019			0.01	0.011					
5/31/2019	0.02	0.0088						0.013	0.01
6/3/2019			0.012		0.031	0.05	0.0098		
6/11/2019				0.043					
11/6/2019	0.019	0.0094						0.012	0.0097
11/7/2019				0.04	0.02				
11/9/2019			0.011			0.06	0.011		

Time Series

Constituent: Barium (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	0.012	0.015		
3/2/2016			0.022	0.058
5/2/2016		0.013		
5/3/2016	0.012			
5/5/2016			0.02	0.05
7/5/2016	0.011	0.017		
7/7/2016			0.021	0.044
9/6/2016	0.012	0.017		
9/7/2016			0.023	0.051
11/7/2016	0.012	0.023		
11/10/2016			0.019	0.046
1/9/2017	0.013	0.016		
1/12/2017			0.018	0.047
3/13/2017	0.013	0.016		
3/14/2017			0.02	
3/15/2017				0.046
5/15/2017	0.012	0.015		
5/18/2017			0.019	0.045
3/12/2018	0.013	0.015		
3/14/2018			0.017	0.036
6/6/2018	0.014	0.017		
6/11/2018			0.016	0.036
10/17/2018	0.012	0.016		
10/18/2018			0.019	0.035
2/27/2019	0.015	0.018		
3/1/2019			0.018	0.036
5/31/2019	0.014	0.016		
6/3/2019			0.017	0.04
11/6/2019	0.013	0.017		
11/7/2019			0.019	0.027

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	<0.0005	<0.0005						<0.0005	<0.0005
3/1/2016			<0.0005	<0.0005	0.0013 (J)	<0.0005	<0.0005		
5/2/2016	<0.0005							<0.0005	<0.0005
5/4/2016		<0.0005					<0.0005		
5/5/2016			<0.0005	<0.0005	0.00088 (J)	<0.0005			
7/5/2016	<0.0005							<0.0005	<0.0005
7/7/2016			<0.0005	<0.0005	0.001 (J)	<0.0005			
7/8/2016		<0.0005					<0.0005		
9/6/2016	<0.0005	<0.0005	<0.0005					<0.0005	<0.0005
9/7/2016				<0.0005	0.00078 (J)	<0.0005	<0.0005		
11/7/2016	<0.0005							<0.0005	<0.0005
11/9/2016					0.0012 (J)	<0.0005	<0.0005		
11/10/2016		<0.0005	<0.0005	<0.0005					
1/9/2017	<0.0005							<0.0005	<0.0005
1/11/2017		<0.0005			0.0014 (J)	<0.0005	<0.0005		
1/12/2017			<0.0005	<0.0005					
3/13/2017	<0.0005							<0.0005	<0.0005
3/14/2017		<0.0005			0.0013 (J)	<0.0005	<0.0005		
3/15/2017			<0.0005	<0.0005					
5/15/2017	<0.0005							<0.0005	<0.0005
5/18/2017		<0.0005	<0.0005	<0.0005	0.0016 (J)	<0.0005	<0.0005		
3/12/2018	<0.0005							<0.0005	<0.0005
3/14/2018		<0.0005	<0.0005	<0.0005	0.0011 (J)	<0.0005	<0.0005		
6/5/2018	<0.0005							<0.0005	<0.0005
6/10/2018		<0.0005			0.0011 (J)	<0.0005	<0.0005		
6/11/2018			<0.0005	<0.0005					
10/16/2018	<0.0005							<0.0005	<0.0005
10/18/2018		<0.0005		<0.0005	0.00084 (J)	<0.0005	<0.0005		
10/19/2018			<0.0005						
2/27/2019	<0.0005	<0.0005						<0.0005	<0.0005
3/1/2019					0.00057 (J)	<0.0005	<0.0005		
3/2/2019			<0.0005	<0.0005					
5/31/2019	<0.0005	<0.0005						<0.0005	<0.0005
6/3/2019			<0.0005		0.00074 (J)	<0.0005	<0.0005		
6/11/2019				<0.0005					
11/6/2019	9E-05 (J)	4.7E-05 (J)						6.6E-05 (J)	<0.0005
11/7/2019				<0.0005	0.00065				
11/9/2019			<0.0005			<0.0005	<0.0005		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	<0.0005	<0.0005		
3/2/2016			<0.0005	<0.0005
5/2/2016		<0.0005		
5/3/2016	<0.0005			
5/5/2016			<0.0005	<0.0005
7/5/2016	<0.0005	<0.0005		
7/7/2016			<0.0005	<0.0005
9/6/2016	<0.0005	<0.0005		
9/7/2016			<0.0005	<0.0005
11/7/2016	<0.0005	<0.0005		
11/10/2016			<0.0005	<0.0005
1/9/2017	<0.0005	<0.0005		
1/12/2017			<0.0005	<0.0005
3/13/2017	<0.0005	<0.0005		
3/14/2017			<0.0005	
3/15/2017				<0.0005
5/15/2017	<0.0005	<0.0005		
5/18/2017			<0.0005	<0.0005
3/12/2018	<0.0005	<0.0005		
3/14/2018			<0.0005	<0.0005
6/6/2018	<0.0005	<0.0005		
6/11/2018			<0.0005	<0.0005
10/17/2018	<0.0005	<0.0005		
10/18/2018			<0.0005	<0.0005
2/27/2019	<0.0005	<0.0005		
3/1/2019			<0.0005	<0.0005
5/31/2019	<0.0005	<0.0005		
6/3/2019			<0.0005	<0.0005
11/6/2019	<0.0005	<0.0005		
11/7/2019			<0.0005	8.4E-05 (J)

Time Series

Constituent: Boron (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	<0.05	<0.05						<0.05	<0.05
3/1/2016			<0.05	<0.05 (*)	8.7	<0.05 (*)	<0.05		
5/2/2016	<0.05							<0.05	<0.05
5/4/2016		<0.05					<0.05 (*)		
5/5/2016			<0.05	<0.05 (*)	7.8	<0.05 (*)			
7/5/2016	<0.05							<0.05	<0.05
7/7/2016			<0.05	0.33	7	1			
7/8/2016		<0.05					<0.05		
9/6/2016	<0.05	<0.05	<0.05					<0.05	<0.05
9/7/2016				0.37	12	0.53	0.022 (J)		
11/7/2016	<0.05							<0.05	<0.05
11/9/2016					9.6	1.6	<0.05		
11/10/2016		<0.05	<0.05	0.43					
1/9/2017	<0.05							<0.05	<0.05
1/11/2017		<0.05			11	0.9	<0.05		
1/12/2017			<0.05	0.44					
3/13/2017	<0.05							<0.05	0.022 (J)
3/14/2017		<0.05			10	0.63	0.071		
3/15/2017			<0.05	0.46					
5/15/2017	<0.05							<0.05	<0.05
5/18/2017		<0.05	<0.05	0.44	15	1.5	<0.05 (*)		
10/2/2017	<0.05							<0.05	0.023 (J)
10/5/2017		<0.05			12	0.32	<0.05		
10/6/2017			<0.05	0.37					
12/19/2017				0.35 (R)	11 (R)	1.6 (R)			
3/12/2018	<0.05							<0.05	<0.05
3/14/2018		<0.05	<0.05	0.32	11	0.7	<0.05		
6/5/2018	<0.05							<0.05	<0.05
6/10/2018		<0.05			12	2.4	0.066		
6/11/2018			<0.05	0.26					
10/16/2018	<0.05							<0.05	<0.05
10/18/2018		0.081		0.25	9.6	0.43	0.067		
10/19/2018			0.34						
2/27/2019	<0.05	<0.05						<0.05	<0.05
3/1/2019					6.5	0.4	0.048 (J)		
3/2/2019			<0.05	<0.05					
5/31/2019	<0.05	<0.05						<0.05	<0.05
6/3/2019			0.17		11	1.7	<0.05		
6/11/2019				0.39					
11/6/2019	0.017 (V)	0.016 (V)						0.016 (V)	0.022 (V)
11/7/2019				0.19	11				
11/9/2019			0.023 (J)			1.8	0.097 (V)		

Time Series

Constituent: Boron (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	<0.05	<0.05		
3/2/2016			<0.05 (*)	3
5/2/2016		<0.05		
5/3/2016	<0.05			
5/5/2016			<0.05 (*)	2.9
7/5/2016	<0.05	<0.05		
7/7/2016			0.1	3
9/6/2016	<0.05	<0.05		
9/7/2016			0.073	3.8
11/7/2016	<0.05	<0.05		
11/10/2016			0.073	2.1
1/9/2017	<0.05	<0.05		
1/12/2017			0.059	4
3/13/2017	<0.05	<0.05		
3/14/2017			0.044 (J)	
3/15/2017				4.2
5/15/2017	<0.05	<0.05		
5/18/2017			<0.05 (*)	4.4
10/2/2017	<0.05	<0.05		
10/5/2017			0.047 (J)	
10/6/2017				2.3
12/19/2017				5.3 (R)
3/12/2018	<0.05	<0.05		
3/14/2018			<0.05	4.6
6/6/2018	<0.05	<0.05		
6/11/2018			0.11	4.2
10/17/2018	<0.05	<0.05		
10/18/2018			0.15	4.3
2/27/2019	<0.05	<0.05		
3/1/2019			0.23	3.8
5/31/2019	<0.05	<0.05		
6/3/2019			0.45	3
11/6/2019	0.011 (V)	0.0099 (J)		
11/7/2019			0.42	4.2

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	<0.0005	<0.0005						<0.0005	<0.0005
3/1/2016			<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
5/2/2016	<0.0005							<0.0005	<0.0005
5/4/2016		<0.0005					<0.0005		
5/5/2016			<0.0005	<0.0005	<0.0005	<0.0005			
7/5/2016	<0.0005							<0.0005	<0.0005
7/7/2016			<0.0005	<0.0005	<0.0005	<0.0005			
7/8/2016		<0.0005					<0.0005		
9/6/2016	<0.0005	<0.0005	<0.0005					<0.0005	<0.0005
9/7/2016				<0.0005	<0.0005	<0.0005	<0.0005		
11/7/2016	<0.0005							<0.0005	<0.0005
11/9/2016					<0.0005	<0.0005	<0.0005		
11/10/2016		<0.0005	<0.0005	<0.0005					
1/9/2017	<0.0005							<0.0005	<0.0005
1/11/2017		<0.0005			0.00049 (J)	<0.0005	<0.0005		
1/12/2017			<0.0005	<0.0005					
3/13/2017	<0.0005							<0.0005	<0.0005
3/14/2017		<0.0005			<0.0005	<0.0005	<0.0005		
3/15/2017			<0.0005	<0.0005					
5/15/2017	<0.0005							<0.0005	<0.0005
5/18/2017		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
3/12/2018	<0.0005							<0.0005	<0.0005
3/14/2018		<0.0005	<0.0005	<0.0005	0.00052 (J)	<0.0005	<0.0005		
6/5/2018	<0.0005							<0.0005	<0.0005
6/10/2018		<0.0005			0.00049 (J)	<0.0005	<0.0005		
6/11/2018			<0.0005	<0.0005					
10/16/2018	<0.0005							<0.0005	<0.0005
10/18/2018		<0.0005		<0.0005	0.00044 (J)	<0.0005	<0.0005		
10/19/2018			<0.0005						
2/27/2019	<0.0005	<0.0005						<0.0005	<0.0005
3/1/2019					0.00038 (J)	<0.0005	<0.0005		
3/2/2019			<0.0005	<0.0005					
5/31/2019	<0.0005	<0.0005						<0.0005	<0.0005
6/3/2019			<0.0005		0.0006 (J)	<0.0005	<0.0005		
6/11/2019				<0.0005					
11/6/2019	<0.0005	<0.0005						<0.0005	<0.0005
11/7/2019				<0.0005	0.00075				
11/9/2019			<0.0005			<0.0005	<0.0005		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	<0.0005	<0.0005		
3/2/2016			<0.0005	<0.0005
5/2/2016		<0.0005		
5/3/2016	<0.0005			
5/5/2016			<0.0005	<0.0005
7/5/2016	<0.0005	<0.0005		
7/7/2016			<0.0005	<0.0005
9/6/2016	<0.0005	<0.0005		
9/7/2016			<0.0005	<0.0005
11/7/2016	<0.0005	<0.0005		
11/10/2016			<0.0005	<0.0005
1/9/2017	<0.0005	<0.0005		
1/12/2017			<0.0005	<0.0005
3/13/2017	<0.0005	<0.0005		
3/14/2017			<0.0005	
3/15/2017				<0.0005
5/15/2017	<0.0005	<0.0005		
5/18/2017			<0.0005	<0.0005
3/12/2018	<0.0005	<0.0005		
3/14/2018			<0.0005	<0.0005
6/6/2018	<0.0005	<0.0005		
6/11/2018			<0.0005	<0.0005
10/17/2018	<0.0005	<0.0005		
10/18/2018			<0.0005	<0.0005
2/27/2019	<0.0005	<0.0005		
3/1/2019			<0.0005	<0.0005
5/31/2019	<0.0005	<0.0005		
6/3/2019			<0.0005	<0.0005
11/6/2019	<0.0005	<0.0005		
11/7/2019			7.8E-05 (J)	0.00032 (J)

Time Series

Constituent: Calcium (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	1	1 (J)						0.67	1.4
3/1/2016			0.99 (J)	5.6	46	63	1.8		
5/2/2016	0.78							0.58	1.1
5/4/2016		0.62					1.1		
5/5/2016			1.2	5.4	37	58			
7/5/2016	0.65							0.43	0.94
7/7/2016			1.1	3.9	38	55			
7/8/2016		0.4					0.82		
9/6/2016	0.7	0.45	1					0.48	1
9/7/2016				4.2	55	59	0.57		
11/7/2016	0.8							0.56	1.2
11/9/2016					52	61	0.62		
11/10/2016		0.44	0.73	3.5					
1/9/2017	0.74							0.43	1.2
1/11/2017		0.42			56	66	0.44		
1/12/2017			0.63	3.3					
3/13/2017	0.78							0.48	1.3
3/14/2017		0.42			55	63	0.46		
3/15/2017			0.72	4.1					
5/15/2017	0.76							0.37	1
5/18/2017		0.38	0.71	3.9	61	68	0.41		
10/2/2017	0.78							0.47	1.2
10/5/2017		0.39			55	58	0.39		
10/6/2017			0.56	4.3					
12/19/2017				3.7 (R)	47 (R)	69 (R)			
3/12/2018	0.88							0.49	1.4
3/14/2018		0.49	0.63	3.9	55	62	0.47		
6/5/2018	0.9							0.49	1.2
6/10/2018		0.39			67	86	0.39		
6/11/2018			0.55	3.5					
10/16/2018	0.86							0.42	1.4
10/18/2018		0.41		3.1	52	63	0.47		
10/19/2018			0.37						
2/27/2019	0.96	0.44						0.56	1.3
3/1/2019					28	51	0.46		
3/2/2019			0.57	0.56					
5/31/2019	0.76	0.28						0.33	1.1
6/3/2019			2		49	65	0.38		
6/11/2019				3.5					
11/6/2019	0.88	0.46						0.49	1.2
11/7/2019				3.4	62				
11/9/2019			0.61 (V)			84	0.56 (V)		

Time Series

Constituent: Calcium (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	0.6	1.5		
3/2/2016			2	23
5/2/2016		0.83		
5/3/2016	0.55			
5/5/2016			2.6	21
7/5/2016	0.53	1.6		
7/7/2016			2.9	20
9/6/2016	0.5	1.6		
9/7/2016			3.1	20
11/7/2016	0.68	1.5		
11/10/2016			2.7	8.7
1/9/2017	0.56	0.98		
1/12/2017			2.9	27
3/13/2017	0.62	0.75		
3/14/2017			3.1	
3/15/2017				32
5/15/2017	0.58	0.83		
5/18/2017			3	30
10/2/2017	0.62	0.83		
10/5/2017			3.7	
10/6/2017				15
12/19/2017			3.1 (R)	41 (R)
3/12/2018	0.59	0.71		
3/14/2018			3.1	35
6/6/2018	0.59	0.68		
6/11/2018			2.6	30
10/17/2018	0.54	0.66		
10/18/2018			2.8	38
2/27/2019	0.63	0.7		
3/1/2019			3.1	28
5/31/2019	0.45	0.52		
6/3/2019			3.9	13
11/6/2019	0.55	0.74		
11/7/2019			4.3	32

Time Series

Constituent: Chloride (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	5.3	5.4						8.1	7.4
3/1/2016			4.8	6.6	90	36	4.4		
5/2/2016	4.4							6	6.3
5/4/2016		4.5					3		
5/5/2016			5.6	6.5	63	34			
7/5/2016	4.2							5.2	4.8
7/7/2016			5	7.3	75	34			
7/8/2016		4.9					3.5		
9/6/2016	4.3	4.3	4.8					5.5	6
9/7/2016				7.4	140	33	3.3		
11/7/2016	4.2							5.4	5.7
11/9/2016					180	38	3.9		
11/10/2016		4.5	4.7	8.4					
1/9/2017	5.3							6.1	6.8
1/11/2017		5.3			200	34	4.1		
1/12/2017			5.6	9.2					
3/13/2017	5.2							5.5	6.8
3/14/2017		5.5			150	35	4		
3/15/2017			5.9	9.5					
5/15/2017	4.8							4.7	6.1
5/18/2017		5	5.7	9.9	190	60	4		
10/2/2017	5.5							6.1	6
10/5/2017		5.6			120	33	4.5		
10/6/2017			6	10					
12/19/2017				9.3 (R)	84 (R)	120 (R)			
3/12/2018	5.3							6.1	5.9
3/14/2018		5.2	5.2	7.7	160	45	3.7		
6/5/2018	5.3							5.5	6.5
6/10/2018		5.2			190	140	3.6		
6/11/2018			4.9	8					
10/16/2018	5.5							5.1	5.9
10/18/2018		5.2		12	100	32	5		
10/19/2018			6.7						
2/27/2019	4.6	5.1						5	4.3
3/1/2019					42	30	1.7 (J)		
3/2/2019			4.4	8.5					
5/31/2019	5.1	5						5.4	4.5
6/3/2019			13		110	86	3.3		
6/11/2019				17					
11/6/2019	5.8	6						6.1	5.7
11/7/2019				15	120				
11/9/2019			6.1			200	4.7		

Time Series

Constituent: Chloride (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	5.6	4		
3/2/2016			5	87
5/2/2016		3.6		
5/3/2016	5.1			
5/5/2016			6.8	87
7/5/2016	4.7	3.6		
7/7/2016			6.7	83
9/6/2016	4.4	4		
9/7/2016			4.8	80
11/7/2016	4.6	4.4		
11/10/2016			4.2	35
1/9/2017	5.3	4.4		
1/12/2017			4.4	130
3/13/2017	5.6	4.1		
3/14/2017			4.4	
3/15/2017				150
5/15/2017	5.2	3.7		
5/18/2017			5	140
10/2/2017	5.5	4.8		
10/5/2017			5.8	
10/6/2017				62
12/19/2017				180 (R)
3/12/2018	5.6	4		
3/14/2018			6.9	140
6/6/2018	5.6	4.1		
6/11/2018			6	140
10/17/2018	5.5	3.7		
10/18/2018			7.5	160
2/27/2019	5.1	4		
3/1/2019			7.2	140
5/31/2019	5.4	3.7		
6/3/2019			8.5	79
11/6/2019	5.9	4.7		
11/7/2019			18	120

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	<0.0005	<0.0005						<0.0005	<0.0005
3/1/2016			<0.0005	<0.0005	<0.0005	0.0023 (J)	<0.0005		
5/2/2016	0.0029							0.0019 (J)	0.0034
5/4/2016		<0.0005					<0.0005		
5/5/2016			<0.0005	<0.0005	0.0014 (J)	<0.0005			
7/5/2016	<0.0005							0.0051	0.0059
7/7/2016			<0.0005	<0.0005	0.0014 (J)	0.002 (J)			
7/8/2016		<0.0005					<0.0005		
9/6/2016	<0.0005	<0.0005	<0.0005					<0.0005	<0.0005
9/7/2016				<0.0005	0.0019 (J)	0.0029	<0.0005		
11/7/2016	<0.0005							<0.0005	<0.0005
11/9/2016					0.0023 (J)	0.0025	<0.0005		
11/10/2016		<0.0005	<0.0005	<0.0005					
1/9/2017	<0.0005							0.017 (o)	<0.0005
1/11/2017		<0.0005			0.0024 (J)	0.002 (J)	<0.0005		
1/12/2017			<0.0005	<0.0005					
3/13/2017	<0.0005							<0.0005	<0.0005
3/14/2017		<0.0005			0.0023 (J)	0.0025	<0.0005		
3/15/2017			<0.0005	<0.0005					
5/15/2017	<0.0005							<0.0005	<0.0005
5/18/2017		<0.0005	<0.0005	<0.0005	0.0023 (J)	0.002 (J)	<0.0005		
3/12/2018	<0.0005							<0.0005	<0.0005
3/14/2018		<0.0005	<0.0005	<0.0005	0.0023 (J)	0.0022 (J)	<0.0005		
6/5/2018	<0.0005							<0.0005	<0.0005
6/10/2018		<0.0005			0.0022 (J)	0.002 (J)	<0.0005		
6/11/2018			<0.0005	<0.0005					
10/16/2018	<0.0005							<0.0005	<0.0005
10/18/2018		<0.0005		<0.0005	0.0016 (J)	0.0029	<0.0005		
10/19/2018			<0.0005						
2/27/2019	<0.0005	<0.0005						<0.0005	<0.0005
3/1/2019					<0.0005	0.0026	<0.0005		
3/2/2019			0.0028	0.0052					
5/31/2019	<0.0005	<0.0005						<0.0005	<0.0005
6/3/2019			<0.0005		0.0015 (J)	0.0022 (J)	<0.0005		
6/11/2019				0.0011 (J)					
11/6/2019	<0.0005	<0.0005						<0.0005	<0.0005
11/7/2019				0.00028 (J)	<0.0005				
11/9/2019			0.00037 (J)			0.0022 (J)	<0.0005		

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	<0.0005	0.00056 (J)		
3/2/2016			<0.0005	<0.0005
5/2/2016		0.0021 (J)		
5/3/2016	0.0012 (J)			
5/5/2016			<0.0005	<0.0005
7/5/2016	<0.0005	<0.0005		
7/7/2016			<0.0005	<0.0005
9/6/2016	<0.0005	<0.0005		
9/7/2016			<0.0005	<0.0005
11/7/2016	<0.0005	<0.0005		
11/10/2016			<0.0005	<0.0005
1/9/2017	<0.0005	<0.0005		
1/12/2017			<0.0005	<0.0005
3/13/2017	<0.0005	<0.0005		
3/14/2017			<0.0005	
3/15/2017				<0.0005
5/15/2017	<0.0005	<0.0005		
5/18/2017			<0.0005	<0.0005
3/12/2018	<0.0005	<0.0005		
3/14/2018			<0.0005	<0.0005
6/6/2018	<0.0005	<0.0005		
6/11/2018			<0.0005	<0.0005
10/17/2018	<0.0005	<0.0005		
10/18/2018			<0.0005	<0.0005
2/27/2019	<0.0005	<0.0005		
3/1/2019			<0.0005	<0.0005
5/31/2019	<0.0005	<0.0005		
6/3/2019			<0.0005	<0.0005
11/6/2019	<0.0005	<0.0005		
11/7/2019			<0.0005	0.00042 (J)

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	0.00039 (J)	<0.0025						0.00064 (J)	0.00023 (J)
3/1/2016			<0.0025	0.001 (J)	0.017	<0.0025	0.0007 (J)		
5/2/2016	0.0013 (J)							0.0014 (J)	0.00092 (J)
5/4/2016		<0.0025					0.001 (J)		
5/5/2016			<0.0025	0.00064 (J)	0.012	<0.0025			
7/5/2016	0.00049 (J)							0.0027	0.0032
7/7/2016			<0.0025	<0.0025	0.012	<0.0025			
7/8/2016		<0.0025					0.00057 (J)		
9/6/2016	0.00062 (J)	0.00042 (J)	<0.0025					0.00062 (J)	<0.0025
9/7/2016				0.00044 (J)	0.018	<0.0025	0.00061 (J)		
11/7/2016	0.00049 (J)							0.00058 (J)	<0.0025
11/9/2016					0.022	<0.0025	0.00055 (J)		
11/10/2016		<0.0025	<0.0025	<0.0025					
1/9/2017	0.00045 (J)							0.00059 (J)	<0.0025
1/11/2017		<0.0025			0.025	<0.0025	0.00045 (J)		
1/12/2017			<0.0025	<0.0025					
3/13/2017	0.00048 (J)							0.0005 (J)	<0.0025
3/14/2017		<0.0025			0.019	<0.0025	0.00059 (J)		
3/15/2017			<0.0025	<0.0025					
5/15/2017	0.00052 (J)							0.00046 (J)	<0.0025
5/18/2017		<0.0025	<0.0025	<0.0025	0.023	<0.0025	0.00059 (J)		
3/12/2018	0.00055 (J)							0.00055 (J)	<0.0025
3/14/2018		<0.0025	<0.0025	<0.0025	0.014	<0.0025	0.00044 (J)		
6/5/2018	0.00051 (J)							0.00052 (J)	<0.0025
6/10/2018		<0.0025			0.029	<0.0025	0.0004 (J)		
6/11/2018			<0.0025	<0.0025					
10/16/2018	0.00058 (J)							0.00045 (J)	<0.0025
10/18/2018		<0.0025		<0.0025	0.016	<0.0025	<0.0025		
10/19/2018			<0.0025						
2/27/2019	0.00065 (J)	<0.0025						0.00056 (J)	<0.0025
3/1/2019					0.009	<0.0025	<0.0025		
3/2/2019			<0.0025	0.00041 (J)					
5/31/2019	0.00046 (J)	<0.0025						<0.0025	<0.0025
6/3/2019			<0.0025		0.015	<0.0025	<0.0025		
6/11/2019				<0.0025					
11/6/2019	0.00056 (J)	0.00033 (J)						0.00048 (J)	0.00019 (J)
11/7/2019				0.00015 (J)	0.022				
11/9/2019			0.00016 (J)			0.00087 (J)	0.00036 (J)		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	0.00064 (J)	0.00071 (J)		
3/2/2016			0.00075 (J)	0.0047 (J)
5/2/2016		0.001 (J)		
5/3/2016	0.00079 (J)			
5/5/2016			0.0042	0.0047
7/5/2016	<0.0025	0.00055 (J)		
7/7/2016			0.0043	0.0041
9/6/2016	0.00094 (J)	0.00057 (J)		
9/7/2016			0.0049	0.0047
11/7/2016	0.00041 (J)	0.00047 (J)		
11/10/2016			0.004	0.0043
1/9/2017	0.00074 (J)	0.00054 (J)		
1/12/2017			0.0045	0.0048
3/13/2017	0.00091 (J)	0.0004 (J)		
3/14/2017			0.0039	
3/15/2017				0.0066
5/15/2017	0.00075 (J)	0.00046 (J)		
5/18/2017			0.005	0.0065
3/12/2018	0.00044 (J)	<0.0025		
3/14/2018			0.0038	0.012
6/6/2018	0.0004 (J)	0.00048 (J)		
6/11/2018			0.0044	0.0096
10/17/2018	<0.0025	0.00043 (J)		
10/18/2018			0.0036	0.025
2/27/2019	<0.0025	0.00045 (J)		
3/1/2019			0.0052	0.02
5/31/2019	<0.0025	<0.0025		
6/3/2019			0.0071	0.0053
11/6/2019	0.00029 (J)	0.00094 (J)		
11/7/2019			0.0085	0.019

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	1.27	1.09						1.42	2.4
3/1/2016			0.996	5.24	11.8	4.21	0.872		
5/2/2016	0.808							1.03	1.62
5/4/2016		0.848					<5		
5/5/2016			2.82	4.13	9.43	2.24			
7/5/2016	0.947							0.961	1.01
7/7/2016			1.58	7.01	13.8	3.28			
7/8/2016		1.46					1.02		
9/6/2016	1.07	1.34	1.46					1.07	1.8
9/7/2016				7.94	13.7	2.83	0.826		
11/7/2016	0.602							0.818	1.86
11/9/2016					16.9	4.28	1.17		
11/10/2016		1.23	1.92	7					
1/9/2017	0.865							0.934	2.25
1/11/2017		1.11			24.9	4.62	0.924		
1/12/2017			1.48	7.87					
3/13/2017	0.693							0.937	1.87
3/14/2017		1.01			15.5	2.28	0.889		
3/15/2017			1.41	7.1					
5/15/2017	0.786							0.685	1.4
5/18/2017		0.745	1.23	7.26	19.8	3	0.338		
3/12/2018	0.933							1.09	1.97
3/14/2018		0.614	1.64	7.02	13.1	2.82	0.789		
6/5/2018	0.713							0.927	2.17
6/10/2018		0.959			19.1	6.2	0.852		
6/11/2018			1.51	5.54					
10/16/2018	2.14							1.07	2.2
10/18/2018		0.944		5.59	12.1	2.89	1.05		
10/19/2018			1						
2/27/2019	0.651	0.827						0.912	1.8
3/1/2019					10.4	2.89	1.01		
3/2/2019			1.5	1.69					
5/31/2019	1.33	0.99						1.24	1.8
6/3/2019			2.67		19.1	4.84	1.33		
6/11/2019				5.8					
11/6/2019	1.32	0.892						0.509 (U)	2.32
11/7/2019				4.83	20.8				
11/9/2019			1.31			6.06	0.663		

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	0.647	<5		
3/2/2016			2.39	7.8
5/2/2016		<5		
5/3/2016	0.748			
5/5/2016			1.54	5.51
7/5/2016	0.591	<5		
7/7/2016			2.17	7.65
9/6/2016	0.831	0.566		
9/7/2016			2.24	5.9
11/7/2016	0.983	0.784		
11/10/2016			2.69	5.04
1/9/2017	0.767	0.541		
1/12/2017			1.81	9.04
3/13/2017	1.26	0.442		
3/14/2017			1.74	
3/15/2017				6.46
5/15/2017	0.553	0.345		
5/18/2017			1.7	8.31
3/12/2018	0.783	0.848		
3/14/2018			1.99	7.06
6/6/2018	1.08	0.78		
6/11/2018			1.59	7.06
10/17/2018	1.19	0.88		
10/18/2018			1.77	7.22
2/27/2019	0.741	0.431		
3/1/2019			1.51	5.59
5/31/2019	0.759	0.884		
6/3/2019			0.42 (U)	4.73
11/6/2019	0.105 (U)	0.366 (U)		
11/7/2019			3.07	5.46

Time Series

Constituent: Field pH (SU) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	5.11	5.26						5.11	4.9
3/1/2016			5.03	5.86	4.09	6.12	5.84		
5/2/2016	4.76							4.77	4.69
5/4/2016		5.1					5.69		
5/5/2016			5.03	5.77	4.12	6.25			
7/5/2016	5.12							5.48	7.11 (o)
7/7/2016			4.85	5.45	3.99	5.99			
7/8/2016		4.96					5.49		
9/6/2016	5.11	5.43	4.84					5.12	5.19
9/7/2016				5.01	4.06	6.03	5.22		
11/7/2016	4.76							4.73	4.64
11/9/2016					4.05	6.01	5.39		
11/10/2016		4.89	4.72	4.99					
1/9/2017	4.99							5	4.94
1/11/2017		4.87			4.01	6.04	5.12		
1/12/2017			4.79	4.95					
3/13/2017	4.57							4.74	4.63
3/14/2017		4.71			4.06	6.11	5.05		
3/15/2017			4.81	5.03					
5/15/2017	4.6							4.63	4.52
5/18/2017		4.5	4.5	4.75	3.65	5.88	4.68		
10/2/2017	4.64							4.63	4.54
10/5/2017		4.63			3.79	6.07	4.77		
10/6/2017			4.56	5.07					
12/19/2017				5.1 (R)	4.1 (R)	6.11 (R)			
3/12/2018	4.85							4.81	4.81
3/14/2018		5.14	5.08	4.89	4.2	6.29	5.28		
6/5/2018	4.92							5.04	4.9
6/10/2018		5.12			3.97	5.96	4.99		
6/11/2018			4.81	5.02					
10/16/2018	4.93							4.98	4.81
10/18/2018		4.97		4.93	4.12	6.19	5.07		
10/19/2018			5.15						
2/27/2019	4.75	4.84						4.78	4.71
3/1/2019					4.19	6.27	5.13		
3/2/2019			4.81	5.58					
5/31/2019	4.9	4.92						4.92	4.84
6/3/2019			4.7		4.17	6.23	5.12		
6/11/2019				4.97					
11/6/2019	4.82	4.94						4.88	4.78
11/7/2019				4.99	4.03				
11/9/2019			4.78			6.19	5.06		

Time Series

Constituent: Field pH (SU) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	5.08	6.37		
3/2/2016			5.015 (D)	5.015 (D)
5/2/2016		5.605 (D)		
5/3/2016	5.14			
5/5/2016			4.87	5.04
7/5/2016	5.38	6.29		
7/7/2016			4.86	5.55
9/6/2016	5.37	6.42		
9/7/2016			4.72	4.86
11/7/2016	4.92	5.75		
11/10/2016			4.72	5.19
1/9/2017	5.05	5.98		
1/12/2017			4.67	4.84
3/13/2017	4.87	5.81		
3/14/2017			4.77	
3/15/2017				4.86
5/15/2017	4.69	5.42		
5/18/2017			4.43	4.59
10/2/2017	4.88	5.63		
10/5/2017			4.52	
10/6/2017				5.73
12/19/2017			4.76 (R)	4.84 (R)
3/12/2018	5.07	5.6		
3/14/2018			4.71	4.75
6/6/2018	5.09	5.58		
6/11/2018			4.78	4.77
10/17/2018	4.99	5.54		
10/18/2018			4.76	4.73
2/27/2019	4.87	5.4		
3/1/2019			4.85	4.76
5/31/2019	4.89	5.45		
6/3/2019			4.75	5.56
11/6/2019	5.04	5.52		
11/7/2019			4.78	4.74

Time Series

Constituent: Fluoride (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	<0.1	<0.1						<0.1	<0.1
3/1/2016			<0.1	0.037 (J)	0.46	0.041 (J)	<0.1		
5/2/2016	<0.1							<0.1	<0.1
5/4/2016		<0.1					<0.1		
5/5/2016			<0.1	<0.1	0.27	<0.1			
7/5/2016	<0.1							<0.1	<0.1
7/7/2016			<0.1	<0.1	0.29	<0.1			
7/8/2016		<0.1					<0.1		
9/6/2016	<0.1	<0.1	<0.1					<0.1	<0.1
9/7/2016				<0.1	0.33	<0.1	<0.1		
11/7/2016	<0.1							<0.1	<0.1
11/9/2016					0.29	<0.1	<0.1		
11/10/2016		<0.1	<0.1	<0.1					
1/9/2017	<0.1							<0.1	<0.1
1/11/2017		<0.1			0.42	<0.1	<0.1		
1/12/2017			<0.1	<0.1					
3/13/2017	<0.1							<0.1	<0.1
3/14/2017		<0.1			0.34	<0.1	<0.1		
3/15/2017			<0.1	<0.1					
5/15/2017	<0.1							<0.1	<0.1
5/18/2017		<0.1	<0.1	<0.1	0.47	<0.1	<0.1		
10/2/2017	<0.1							<0.1	<0.1
10/5/2017		<0.1			0.22	<0.1	<0.1		
10/6/2017			<0.1	<0.1					
12/19/2017					0.26 (R)				
3/12/2018	<0.1							<0.1	<0.1
3/14/2018		0.12	<0.1	<0.1	0.3	<0.1	<0.1		
6/5/2018	<0.1							<0.1	<0.1
6/10/2018		<0.1			0.38	<0.1	<0.1		
6/11/2018			<0.1	<0.1					
10/16/2018	<0.1							<0.1	<0.1
10/18/2018		<0.1		<0.1	0.26	0.04 (J)	<0.1		
10/19/2018			<0.1						
2/27/2019	<0.1	<0.1						<0.1	<0.1
3/1/2019					0.1	<0.1	<0.1		
3/2/2019			<0.1	<0.1					
5/31/2019	<0.1	<0.1						<0.1	<0.1
6/3/2019			<0.1		0.22	0.04 (J)	<0.1		
6/11/2019				<0.1					
11/6/2019	<0.1	<0.1						<0.1	<0.1
11/7/2019				<0.1	0.21				
11/9/2019			<0.1			<0.1	<0.1		

Time Series

Constituent: Fluoride (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	<0.1	0.033 (J)		
3/2/2016			<0.1	0.039 (J)
5/2/2016		<0.1		
5/3/2016	<0.1			
5/5/2016			<0.1	<0.1
7/5/2016	<0.1	<0.1		
7/7/2016			<0.1	<0.1
9/6/2016	<0.1	<0.1		
9/7/2016			<0.1	<0.1
11/7/2016	<0.1	<0.1		
11/10/2016			<0.1	<0.1
1/9/2017	<0.1	<0.1		
1/12/2017			<0.1	<0.1
3/13/2017	<0.1	<0.1		
3/14/2017			<0.1	
3/15/2017				<0.1
5/15/2017	<0.1	<0.1		
5/18/2017			<0.1	<0.1
10/2/2017	<0.1	<0.1		
10/5/2017			<0.1	
10/6/2017				<0.1
3/12/2018	<0.1	<0.1		
3/14/2018			<0.1	<0.1
6/6/2018	<0.1	<0.1		
6/11/2018			<0.1	0.04 (J)
10/17/2018	<0.1	<0.1		
10/18/2018			<0.1	0.04 (J)
2/27/2019	<0.1	<0.1		
3/1/2019			<0.1	<0.1
5/31/2019	<0.1	<0.1		
6/3/2019			<0.1	0.04 (J)
11/6/2019	<0.1	<0.1		
11/7/2019			<0.1	0.04 (J)

Time Series

Constituent: Lead (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	<0.00025	<0.00025						<0.00025	<0.00025
3/1/2016			<0.00025	<0.00025	0.0018 (J)	<0.00025	<0.00025		
5/2/2016	<0.00025							<0.00025	<0.00025
5/4/2016		<0.00025					<0.00025		
5/5/2016			<0.00025	<0.00025	0.0015	<0.00025			
7/5/2016	<0.00025							<0.00025	<0.00025
7/7/2016			<0.00025	<0.00025	0.0018	<0.00025			
7/8/2016		<0.00025					<0.00025		
9/6/2016	<0.00025	<0.00025	<0.00025					<0.00025	<0.00025
9/7/2016				<0.00025	0.0024	<0.00025	<0.00025		
11/7/2016	<0.00025							<0.00025	<0.00025
11/9/2016					0.0023	<0.00025	<0.00025		
11/10/2016		<0.00025	<0.00025	<0.00025					
1/9/2017	<0.00025							<0.00025	<0.00025
1/11/2017		<0.00025			0.0027	<0.00025	<0.00025		
1/12/2017			<0.00025	<0.00025					
3/13/2017	<0.00025							<0.00025	<0.00025
3/14/2017		<0.00025			0.0024	<0.00025	<0.00025		
3/15/2017			<0.00025	<0.00025					
5/15/2017	<0.00025							<0.00025	<0.00025
5/18/2017		<0.00025	<0.00025	<0.00025	0.0029	<0.00025	<0.00025		
3/12/2018	<0.00025							<0.00025	<0.00025
3/14/2018		<0.00025	<0.00025	<0.00025	0.0023	<0.00025	<0.00025		
6/5/2018	<0.00025							<0.00025	<0.00025
6/10/2018		<0.00025			0.0024	<0.00025	<0.00025		
6/11/2018			<0.00025	<0.00025					
10/16/2018	<0.00025							<0.00025	<0.00025
10/18/2018		<0.00025		<0.00025	0.002	<0.00025	0.00039 (J)		
10/19/2018			<0.00025						
2/27/2019	<0.00025	<0.00025						0.001 (J)	<0.00025
3/1/2019					0.0012 (J)	<0.00025	<0.00025		
3/2/2019			<0.00025	<0.00025					
5/31/2019	<0.00025	<0.00025						<0.00025	<0.00025
6/3/2019			<0.00025		0.0018	0.00091 (J)	<0.00025		
6/11/2019				<0.00025					
11/6/2019	0.0001 (J)	<0.00025						6.6E-05 (J)	8.4E-05 (J)
11/7/2019				0.00011 (J)	0.002				
11/9/2019			0.00014 (J)			0.00012 (J)	<0.00025		

Time Series

Constituent: Lead (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	<0.00025	<0.00025		
3/2/2016			<0.00025	<0.00025
5/2/2016		<0.00025		
5/3/2016	<0.00025			
5/5/2016			<0.00025	<0.00025
7/5/2016	<0.00025	<0.00025		
7/7/2016			<0.00025	<0.00025
9/6/2016	<0.00025	<0.00025		
9/7/2016			<0.00025	<0.00025
11/7/2016	<0.00025	<0.00025		
11/10/2016			<0.00025	<0.00025
1/9/2017	<0.00025	<0.00025		
1/12/2017			<0.00025	<0.00025
3/13/2017	<0.00025	<0.00025		
3/14/2017			<0.00025	
3/15/2017				<0.00025
5/15/2017	<0.00025	<0.00025		
5/18/2017			<0.00025	<0.00025
3/12/2018	<0.00025	<0.00025		
3/14/2018			<0.00025	<0.00025
6/6/2018	<0.00025	<0.00025		
6/11/2018			<0.00025	<0.00025
10/17/2018	<0.00025	<0.00025		
10/18/2018			<0.00025	<0.00025
2/27/2019	<0.00025	<0.00025		
3/1/2019			<0.00025	<0.00025
5/31/2019	<0.00025	<0.00025		
6/3/2019			0.00067 (J)	0.00037 (J)
11/6/2019	<0.00025	0.0002 (J)		
11/7/2019			9.4E-05 (J)	0.0003 (J)

Time Series

Constituent: Lithium (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	<0.001	<0.001						<0.001	<0.001
3/1/2016			<0.001	<0.001	0.057	<0.001	<0.001		
5/2/2016	<0.001							<0.001	<0.001
5/4/2016		<0.001					<0.001		
5/5/2016			<0.001	<0.001	0.044	<0.001			
7/5/2016	<0.001							<0.001	<0.001
7/7/2016			<0.001	<0.001	0.04	<0.001			
7/8/2016		<0.001					<0.001		
9/6/2016	<0.001	0.0037 (J)	<0.001					<0.001	<0.001
9/7/2016				<0.001	0.033	<0.001	0.0073		
11/7/2016	<0.001							<0.001	<0.001
11/9/2016					0.035	<0.001	<0.001		
11/10/2016		<0.001	<0.001	<0.001					
1/9/2017	<0.001							<0.001	<0.001
1/11/2017		<0.001			0.028	<0.001	<0.001		
1/12/2017			<0.001	<0.001					
3/13/2017	<0.001							<0.001	<0.001
3/14/2017		<0.001			0.037	<0.001	0.0035 (J)		
3/15/2017			<0.001	0.0038 (J)					
5/15/2017	<0.001							<0.001	<0.001
5/18/2017		<0.001	<0.001	<0.001	0.024	<0.001	<0.001		
3/12/2018	0.0011 (J)							0.0014 (J)	<0.001
3/14/2018		<0.001	<0.001	0.002 (J)	0.028	<0.001	<0.001		
6/5/2018	<0.001							0.0012 (J)	<0.001
6/10/2018		<0.001			0.019	<0.001	<0.001		
6/11/2018			<0.001	0.0015 (J)					
10/16/2018	<0.001							0.0015 (J)	0.0013 (J)
10/18/2018		0.0013 (J)		0.0017 (J)	0.022	<0.001	0.0012 (J)		
10/19/2018			0.0012 (J)						
2/27/2019	<0.001	<0.001						<0.001	<0.001
3/1/2019					0.017	<0.001	0.0012 (J)		
3/2/2019			0.0014 (J)	0.0011 (J)					
5/31/2019	0.0021 (J)	0.0013 (J)						0.0017 (J)	0.0017 (J)
6/3/2019			<0.001		0.017	<0.001	<0.001		
6/11/2019				0.0025 (J)					
11/6/2019	0.0011	0.001						0.0011	<0.001
11/7/2019				0.00097 (J)	0.019				
11/9/2019			0.0009 (J)			<0.001	0.00068 (J)		

Time Series

Constituent: Lithium (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	<0.001	0.0037		
3/2/2016			0.0095 (J)	0.0082 (J)
5/2/2016		<0.001		
5/3/2016	<0.001			
5/5/2016			0.0059	0.0072
7/5/2016	<0.001	<0.001		
7/7/2016			0.006	0.0092
9/6/2016	<0.001	<0.001		
9/7/2016			0.0049 (J)	0.0069
11/7/2016	<0.001	0.0097 (o)		
11/10/2016			0.0055	0.0045 (J)
1/9/2017	<0.001	<0.001		
1/12/2017			0.0045 (J)	0.0073
3/13/2017	<0.001	<0.001		
3/14/2017			0.0069	
3/15/2017				0.012
5/15/2017	<0.001	<0.001		
5/18/2017			0.0055	0.0084
3/12/2018	<0.001	<0.001		
3/14/2018			0.0059	0.012
6/6/2018	<0.001	0.0021 (J)		
6/11/2018			0.0042 (J)	0.009
10/17/2018	<0.001	0.0012 (J)		
10/18/2018			0.0062	0.011
2/27/2019	<0.001	0.002 (J)		
3/1/2019			0.0054	0.0077
5/31/2019	0.0015 (J)	0.0026 (J)		
6/3/2019			0.0054	0.0082
11/6/2019	0.00063 (J)	0.0012		
11/7/2019			0.0052	0.014

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	<0.0002	<0.0002						9.1E-05 (J)	<0.0002
3/1/2016			<0.0002	<0.0002	0.00089	<0.0002	<0.0002		
5/2/2016	<0.0002							7.4E-05 (J)	<0.0002
5/4/2016		<0.0002					<0.0002		
5/5/2016			<0.0002	<0.0002	0.00054	<0.0002			
7/5/2016	<0.0002							<0.0002	<0.0002
7/7/2016			<0.0002	<0.0002 (*)	0.00066 (V)	<0.0002			
7/8/2016		<0.0002 (*)					<0.0002 (*)		
9/6/2016	<0.0002 (*)	<0.0002	<0.0002					<0.0002 (*)	<0.0002
9/7/2016				<0.0002	0.0016	<0.0002	<0.0002		
11/7/2016	<0.0002							<0.0002	<0.0002
11/9/2016					0.0015	<0.0002	<0.0002		
11/10/2016		<0.0002	<0.0002	<0.0002					
1/9/2017	<0.0002 (*)							<0.0002 (*)	<0.0002 (*)
1/11/2017		<0.0002			0.0025	<0.0002	<0.0002		
1/12/2017			<0.0002	<0.0002					
3/13/2017	<0.0002							<0.0002	<0.0002
3/14/2017		<0.0002 (*)			0.0012	<0.0002	<0.0002		
3/15/2017			<0.0002	<0.0002 (*)					
5/15/2017	<0.0002							<0.0002	<0.0002
5/18/2017		<0.0002	<0.0002	<0.0002	0.0014	<0.0002	<0.0002		
3/12/2018	<0.0002							<0.0002	<0.0002
3/14/2018		9.3E-05 (J)	9.4E-05 (J)	0.00012 (J)	0.0011	<0.0002	8E-05 (J)		
6/5/2018	<0.0002							<0.0002	<0.0002
6/10/2018		<0.0002			0.0014	<0.0002	<0.0002		
6/11/2018			<0.0002	<0.0002					
10/16/2018	<0.0002							<0.0002	<0.0002
10/18/2018		<0.0002		<0.0002	0.00087	<0.0002	<0.0002		
10/19/2018			9.4E-05 (J)						
2/27/2019	<0.0002	<0.0002						<0.0002	<0.0002
3/1/2019					0.00077	<0.0002	<0.0002		
3/2/2019			<0.0002	<0.0002					
5/31/2019	<0.0002	<0.0002						<0.0002	<0.0002
6/3/2019			<0.0002		0.00054	<0.0002	<0.0002		
6/11/2019				<0.0002					
11/6/2019	<0.0002	<0.0002						<0.0002	<0.0002
11/7/2019				<0.0002	0.00053				
11/9/2019			<0.0002			<0.0002	<0.0002		

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	<0.0002	<0.0002		
3/2/2016			<0.0002	0.007
5/2/2016		<0.0002		
5/3/2016	<0.0002			
5/5/2016			<0.0002	0.006
7/5/2016	<0.0002	<0.0002		
7/7/2016			<0.0002 (*)	0.0053
9/6/2016	<0.0002 (*)	<0.0002 (*)		
9/7/2016			<0.0002	0.0067
11/7/2016	<0.0002	<0.0002		
11/10/2016			<0.0002	0.00014 (J)
1/9/2017	<0.0002 (*)	<0.0002 (*)		
1/12/2017			<0.0002	0.0052
3/13/2017	<0.0002	<0.0002		
3/14/2017			<0.0002	
3/15/2017				0.0048
5/15/2017	<0.0002	<0.0002		
5/18/2017			<0.0002	0.0074
3/12/2018	<0.0002	<0.0002		
3/14/2018			9.7E-05 (J)	0.0059
6/6/2018	<0.0002	<0.0002		
6/11/2018			<0.0002	0.0042
10/17/2018	<0.0002	<0.0002		
10/18/2018			<0.0002	0.0034
2/27/2019	<0.0002	<0.0002		
3/1/2019			<0.0002	0.0041
5/31/2019	<0.0002	<0.0002		
6/3/2019			<0.0002	0.0025
11/6/2019	<0.0002	<0.0002		
11/7/2019			0.0012	0.0034

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	<0.003	<0.003						<0.003	<0.003
3/1/2016			<0.003	<0.003	<0.003	0.004 (J)	<0.003		
5/2/2016	<0.003							<0.003	<0.003
5/4/2016		<0.003					<0.003		
5/5/2016			<0.003	<0.003	<0.003	0.0093 (J)			
7/5/2016	<0.003							<0.003	<0.003
7/7/2016			<0.003	<0.003	<0.003	0.0047 (J)			
7/8/2016		<0.003					<0.003		
9/6/2016	<0.003	<0.003	<0.003					<0.003	<0.003
9/7/2016				<0.003	<0.003	0.004 (J)	<0.003		
11/7/2016	<0.003							<0.003	<0.003
11/9/2016					<0.003	0.0037 (J)	<0.003		
11/10/2016		<0.003	<0.003	<0.003					
1/9/2017	<0.003							<0.003	<0.003
1/11/2017		<0.003			<0.003	0.0052 (J)	<0.003		
1/12/2017			<0.003	<0.003					
3/13/2017	0.0042 (J)							<0.003	0.0022 (J)
3/14/2017		<0.003			<0.003	0.004 (J)	<0.003		
3/15/2017			<0.003	<0.003					
5/15/2017	<0.003							<0.003	<0.003
5/18/2017		<0.003	<0.003	<0.003	<0.003	0.0043 (J)	<0.003		
3/12/2018	<0.003							<0.003	<0.003
3/14/2018		<0.003	<0.003	<0.003	<0.003	0.0054 (J)	<0.003		
6/5/2018	<0.003							0.00088 (J)	<0.003
6/10/2018		<0.003			<0.003	0.0035 (J)	<0.003		
6/11/2018			<0.003	<0.003					
10/16/2018	<0.003							<0.003	<0.003
10/18/2018		<0.003		<0.003	<0.003	0.0032 (J)	<0.003		
10/19/2018			<0.003						
2/27/2019	<0.003	<0.003						<0.003	<0.003
3/1/2019					<0.003	0.0047 (J)	<0.003		
3/2/2019			<0.003	<0.003					
5/31/2019	<0.003	<0.003						<0.003	<0.003
6/3/2019			<0.003		<0.003	0.0033 (J)	<0.003		
6/11/2019				<0.003					
11/6/2019	<0.003	<0.003						<0.003	<0.003
11/7/2019				<0.003	<0.003				
11/9/2019			<0.003			0.0025 (J)	<0.003		

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	<0.003	<0.003		
3/2/2016			<0.003	<0.003
5/2/2016		<0.003		
5/3/2016	<0.003			
5/5/2016			<0.003	<0.003
7/5/2016	<0.003	<0.003		
7/7/2016			<0.003	<0.003
9/6/2016	<0.003	<0.003		
9/7/2016			<0.003	<0.003
11/7/2016	<0.003	<0.003		
11/10/2016			<0.003	<0.003
1/9/2017	<0.003	<0.003		
1/12/2017			<0.003	<0.003
3/13/2017	<0.003	<0.003		
3/14/2017			<0.003	
3/15/2017				<0.003
5/15/2017	<0.003	<0.003		
5/18/2017			<0.003	<0.003
3/12/2018	<0.003	<0.003		
3/14/2018			<0.003	<0.003
6/6/2018	<0.003	<0.003		
6/11/2018			<0.003	<0.003
10/17/2018	<0.003	<0.003		
10/18/2018			<0.003	<0.003
2/27/2019	<0.003	<0.003		
3/1/2019			<0.003	<0.003
5/31/2019	<0.003	<0.003		
6/3/2019			<0.003	<0.003
11/6/2019	<0.003	<0.003		
11/7/2019			<0.003	<0.003

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	<0.00025	<0.00025						<0.00025	<0.00025
3/1/2016			<0.00025	0.0028 (J)	0.0054 (J)	<0.00025	<0.00025		
5/2/2016	<0.00025							<0.00025	0.00025 (J)
5/4/2016		<0.00025					<0.00025		
5/5/2016			0.00029 (J)	0.0026	0.0038	0.0003 (J)			
7/5/2016	<0.00025							<0.00025	<0.00025
7/7/2016			<0.00025 (*)	0.0025	0.0043	<0.00025			
7/8/2016		<0.00025					<0.00025		
9/6/2016	0.00049 (J)	<0.00025	<0.00025					<0.00025	0.00027 (J)
9/7/2016				0.0031	0.0099	0.00026 (J)	<0.00025		
11/7/2016	<0.00025							<0.00025	<0.00025
11/9/2016					0.012	0.00038 (J)	<0.00025		
11/10/2016		<0.00025	<0.00025	0.0028					
1/9/2017	<0.00025							<0.00025	<0.00025
1/11/2017		0.00049 (J)			0.022	<0.00025	<0.00025		
1/12/2017			<0.00025	0.0028					
3/13/2017	0.0023							<0.00025	0.0025
3/14/2017		<0.00025			0.011	<0.00025	<0.00025		
3/15/2017			<0.00025	0.0027					
5/15/2017	<0.00025							<0.00025	<0.00025
5/18/2017		<0.00025	<0.00025	0.0036	0.018	<0.00025	<0.00025		
3/12/2018	0.00046 (J)							0.00064 (J)	0.00047 (J)
3/14/2018		0.00067 (J)	0.001 (J)	0.0032	0.0057	0.0006 (J)	<0.00025		
6/5/2018	0.00049 (J)							0.00098 (J)	0.00065 (J)
6/10/2018		0.00028 (J)			0.015	0.00043 (J)	<0.00025		
6/11/2018			0.00028 (J)	0.003					
10/16/2018	<0.00025							<0.00025	<0.00025
10/18/2018		<0.00025		0.0016	0.0049	<0.00025	<0.00025		
10/19/2018			<0.00025						
2/27/2019	<0.00025	<0.00025						<0.00025	<0.00025
3/1/2019					0.0026	<0.00025	<0.00025		
3/2/2019			<0.00025	<0.00025					
5/31/2019	<0.00025	<0.00025						<0.00025	<0.00025
6/3/2019			<0.00025		0.0039	<0.00025	<0.00025		
6/11/2019				0.0014					
11/6/2019	<0.00025	<0.00025						<0.00025	0.00034
11/7/2019				0.002	0.0085				
11/9/2019			<0.00025			0.00041	<0.00025		

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	<0.00025	<0.00025		
3/2/2016			<0.00025	0.0025 (J)
5/2/2016		<0.00025		
5/3/2016	<0.00025			
5/5/2016			<0.00025	0.0033
7/5/2016	<0.00025	<0.00025		
7/7/2016			<0.00025	0.0031
9/6/2016	<0.00025	<0.00025		
9/7/2016			<0.00025	0.0034
11/7/2016	<0.00025	<0.00025		
11/10/2016			<0.00025	0.0038
1/9/2017	<0.00025	<0.00025		
1/12/2017			<0.00025	0.0034
3/13/2017	<0.00025	<0.00025		
3/14/2017			<0.00025	
3/15/2017				0.0032
5/15/2017	<0.00025	<0.00025		
5/18/2017			<0.00025	0.0034
3/12/2018	0.00026 (J)	<0.00025		
3/14/2018			<0.00025	0.0038
6/6/2018	0.00025 (J)	0.00026 (J)		
6/11/2018			<0.00025	0.0037
10/17/2018	<0.00025	<0.00025		
10/18/2018			<0.00025	0.0033
2/27/2019	<0.00025	<0.00025		
3/1/2019			<0.00025	0.0033
5/31/2019	<0.00025	<0.00025		
6/3/2019			<0.00025	0.0035
11/6/2019	<0.00025	<0.00025		
11/7/2019			0.00024 (J)	0.0034

Time Series

Constituent: Sulfate (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	<5	<5						<5	1.6 (J)
3/1/2016			<5	26	380	17	<5		
5/2/2016	15 (o)							<5	2.1 (J)
5/4/2016		<5					<5		
5/5/2016			<5	31	280	11			
7/5/2016	<5							<5	2 (J)
7/7/2016			<5	31	330	33			
7/8/2016		<5					<5		
9/6/2016	<5	<5	<5					<5	1.8 (J)
9/7/2016				41	550	18	<5		
11/7/2016	<5							<5	1.7 (J)
11/9/2016					700	52	<5		
11/10/2016		<5	<5	39					
1/9/2017	<5							2.6 (J)	1.5 (J)
1/11/2017		<5			670	31	<5		
1/12/2017			<5	35					
3/13/2017	2.5 (J)							<5	2.2 (J)
3/14/2017		<5			670	20	<5		
3/15/2017			<5 (*)	43					
5/15/2017	<5							<5	1.9 (J)
5/18/2017		<5 (X)	<5 (X)	35	790	35	<5 (X)		
10/2/2017	<5							<5	3.4 (J)
10/5/2017		<5			500	7.7	<5		
10/6/2017			<5	39					
12/19/2017				36 (R)	400 (R)	51 (R)			
3/12/2018	<5							<5	2.6 (J)
3/14/2018		<5	<5	38	540	22	<5		
6/5/2018	<5							<5	2.6 (J)
6/10/2018		1.5 (J)			760	96	1.4 (J)		
6/11/2018			1.7 (J)	34					
10/16/2018	<5							<5	2.8 (J)
10/18/2018		<5		31	460	6.6	<5		
10/19/2018			3.4 (J)						
2/27/2019	<5	1.9 (J)						<5	2.4 (J)
3/1/2019					240	9.6	<5		
3/2/2019			<5	35					
5/31/2019	<5	<5						<5	3.3 (J)
6/3/2019			3.5 (J)		480	58	<5		
6/11/2019				32					
11/6/2019	<5	<5						<5	3.7 (J)
11/7/2019				27	610				
11/9/2019			<5			120	<5		

Time Series

Constituent: Sulfate (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	<5	<5		
3/2/2016			13	150
5/2/2016		<5		
5/3/2016	<5			
5/5/2016			15	200
7/5/2016	<5	<5		
7/7/2016			14	200
9/6/2016	<5	3.7 (J)		
9/7/2016			15	200
11/7/2016	<5	<5		
11/10/2016			13	130
1/9/2017	<5	<5		
1/12/2017			12	240
3/13/2017	<5	<5		
3/14/2017			10 (V)	
3/15/2017				300
5/15/2017	<5	<5		
5/18/2017			8.7	270
10/2/2017	1.5 (J)	1.7 (J)		
10/5/2017			9.8	
10/6/2017				140
12/19/2017			8.4 (R)	280 (R)
3/12/2018	<5	<5		
3/14/2018			9.7	270
6/6/2018	<5	<5		
6/11/2018			10	270
10/17/2018	<5	<5		
10/18/2018			8.1	280
2/27/2019	<5	<5		
3/1/2019			7.4	250
5/31/2019	<5	<5		
6/3/2019			21	150
11/6/2019	<5	<5		
11/7/2019			16	290

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	<0.0001	<0.0001						<0.0001	<0.0001
3/1/2016			<0.0001	<0.0001	0.00043 (J)	<0.0001	<0.0001		
5/2/2016	<0.0001							<0.0001	<0.0001
5/4/2016		<0.0001					<0.0001		
5/5/2016			<0.0001	<0.0001	0.0003 (J)	<0.0001			
7/5/2016	<0.0001							<0.0001	<0.0001
7/7/2016			<0.0001	<0.0001	0.00028 (J)	<0.0001			
7/8/2016		<0.0001					<0.0001		
9/6/2016	<0.0001	<0.0001	<0.0001					<0.0001	<0.0001
9/7/2016				<0.0001	0.00028 (J)	<0.0001	<0.0001		
11/7/2016	<0.0001							<0.0001	<0.0001
11/9/2016					0.0003 (J)	<0.0001	<0.0001		
11/10/2016		<0.0001	<0.0001	<0.0001					
1/9/2017	<0.0001							<0.0001	<0.0001
1/11/2017		<0.0001			0.00032 (J)	<0.0001	<0.0001		
1/12/2017			<0.0001	<0.0001					
3/13/2017	<0.0001							<0.0001	<0.0001
3/14/2017		<0.0001			0.00032 (J)	<0.0001	<0.0001		
3/15/2017			<0.0001	<0.0001					
5/15/2017	<0.0001							<0.0001	<0.0001
5/18/2017		<0.0001	<0.0001	<0.0001	0.0004 (J)	<0.0001	<0.0001		
3/12/2018	<0.0001							<0.0001	<0.0001
3/14/2018		<0.0001	<0.0001	<0.0001	0.00021 (J)	<0.0001	<0.0001		
6/5/2018	<0.0001							<0.0001	<0.0001
6/10/2018		<0.0001			0.00033 (J)	<0.0001	<0.0001		
6/11/2018			<0.0001	<0.0001					
10/16/2018	<0.0001							<0.0001	<0.0001
10/18/2018		<0.0001		<0.0001	0.00021 (J)	<0.0001	<0.0001		
10/19/2018			<0.0001						
2/27/2019	<0.0001	<0.0001						<0.0001	<0.0001
3/1/2019					0.00013 (J)	<0.0001	<0.0001		
3/2/2019			<0.0001	<0.0001					
5/31/2019	<0.0001	<0.0001						<0.0001	<0.0001
6/3/2019			<0.0001		0.00016 (J)	<0.0001	<0.0001		
6/11/2019				<0.0001					
11/6/2019	<0.0001	<0.0001						<0.0001	<0.0001
11/7/2019				2.6E-05 (J)	0.00025				
11/9/2019			0.00021 (J)			0.00024 (J)	<0.0001		

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	<0.0001	<0.0001		
3/2/2016			<0.0001	0.00018 (J)
5/2/2016		<0.0001		
5/3/2016	<0.0001			
5/5/2016			<0.0001	0.00024 (J)
7/5/2016	<0.0001	<0.0001		
7/7/2016			<0.0001	0.00025 (J)
9/6/2016	<0.0001	<0.0001		
9/7/2016			<0.0001	0.00023 (J)
11/7/2016	<0.0001	<0.0001		
11/10/2016			<0.0001	0.0002 (J)
1/9/2017	<0.0001	<0.0001		
1/12/2017			<0.0001	0.00026 (J)
3/13/2017	<0.0001	<0.0001		
3/14/2017			<0.0001	
3/15/2017				0.0003 (J)
5/15/2017	<0.0001	<0.0001		
5/18/2017			<0.0001	0.00028 (J)
3/12/2018	<0.0001	<0.0001		
3/14/2018			<0.0001	0.00029 (J)
6/6/2018	<0.0001	<0.0001		
6/11/2018			<0.0001	0.00029 (J)
10/17/2018	<0.0001	<0.0001		
10/18/2018			<0.0001	0.00031 (J)
2/27/2019	<0.0001	<0.0001		
3/1/2019			<0.0001	0.0003 (J)
5/31/2019	<0.0001	<0.0001		
6/3/2019			<0.0001	0.0002 (J)
11/6/2019	<0.0001	<0.0001		
11/7/2019			<0.0001	0.00024 (J)

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	20	20						<5	12
3/1/2016			<5	84	760	290	<5		
5/2/2016	<5							<5	6
5/4/2016		6					12		
5/5/2016			<5	76	620	250			
7/5/2016	12							14	<5
7/7/2016			24	54	640	270			
7/8/2016		6					10		
9/6/2016	36	36	40					30	38
9/7/2016				82	1100	270	10		
11/7/2016	18							8	<5
11/9/2016					1300	330	26		
11/10/2016		16	20	80					
1/9/2017	4 (J)							<5	14
1/11/2017		38			1600	330	28		
1/12/2017			54	110					
3/13/2017	6							<5	8
3/14/2017		<5			1200	260	<5		
3/15/2017			14	82					
5/15/2017	<5							<5	<5
5/18/2017		10	38	100	1500	360	26		
10/2/2017	<5							<5	6
10/5/2017		<5			980	240	<5		
10/6/2017			22	110					
12/19/2017				72 (R)	900 (R)	460 (R)			
3/12/2018	18							14	<5
3/14/2018		8	14	66	1100	300	<5		
6/5/2018	10							<5	14
6/10/2018		8			1500	560	6		
6/11/2018			8	96					
10/16/2018	32							12	6
10/18/2018		28		64	860	250	68		
10/19/2018			54						
2/27/2019	110	68						54	110
3/1/2019					440	210	28		
3/2/2019			28	210					
5/31/2019	46	<5						8	26
6/3/2019			54		950	500	28		
6/11/2019				110					
11/6/2019	<5	10						4 (J)	<5
11/7/2019				50	980				
11/9/2019			24			720	42		

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 3/9/2020 10:52 AM View: Descriptive - 100 Series

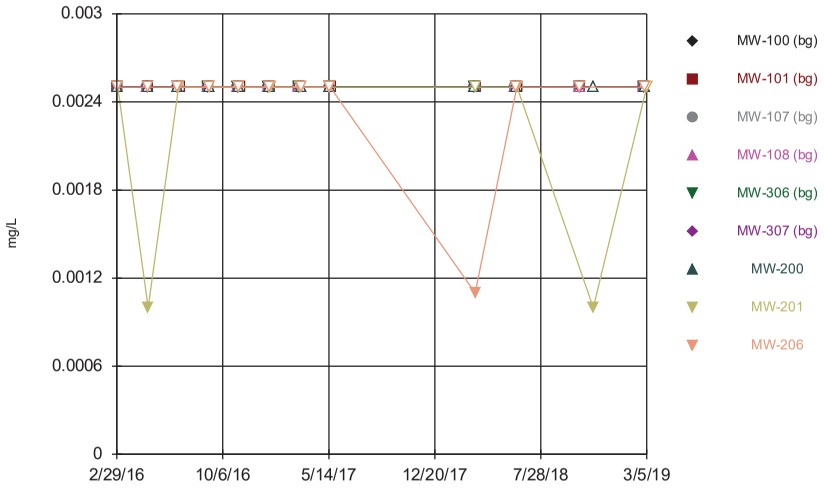
Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	10	<5		
3/2/2016			30	440
5/2/2016		36		
5/3/2016	<5			
5/5/2016			38	480
7/5/2016	<5	<5		
7/7/2016			22	470
9/6/2016	36	44		
9/7/2016			38	440
11/7/2016	<5	30		
11/10/2016			38	260
1/9/2017	<5	12		
1/12/2017			40	630
3/13/2017	22	20		
3/14/2017			22	
3/15/2017				620
5/15/2017	6	4 (J)		
5/18/2017			24	640
10/2/2017	16	24		
10/5/2017			<5	
10/6/2017				360
12/19/2017				840 (R)
3/12/2018	<5	<5		
3/14/2018			12	660
6/6/2018	20	16		
6/11/2018			26	670
10/17/2018	44	44		
10/18/2018			34	750
2/27/2019	20	28		
3/1/2019			42	640
5/31/2019	32	18		
6/3/2019			54	420
11/6/2019	24	20		
11/7/2019			24	540

200 Series

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

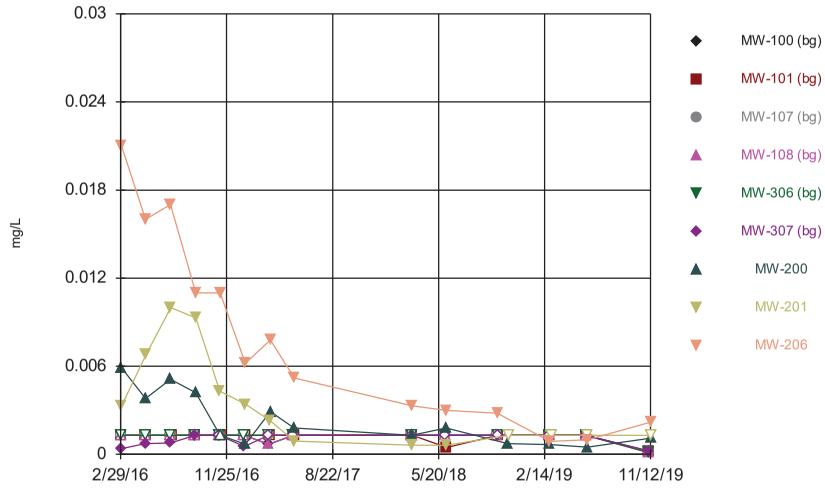
Time Series



Constituent: Antimony Analysis Run 3/9/2020 11:03 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

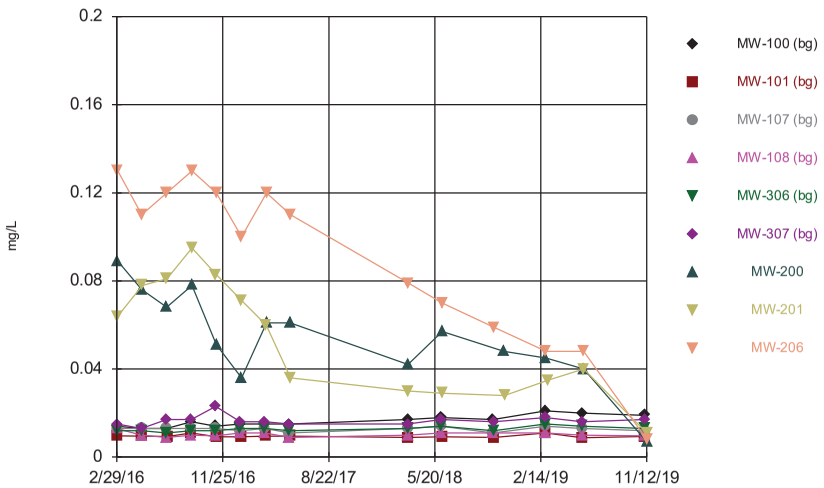
Time Series



Constituent: Arsenic Analysis Run 3/9/2020 11:03 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

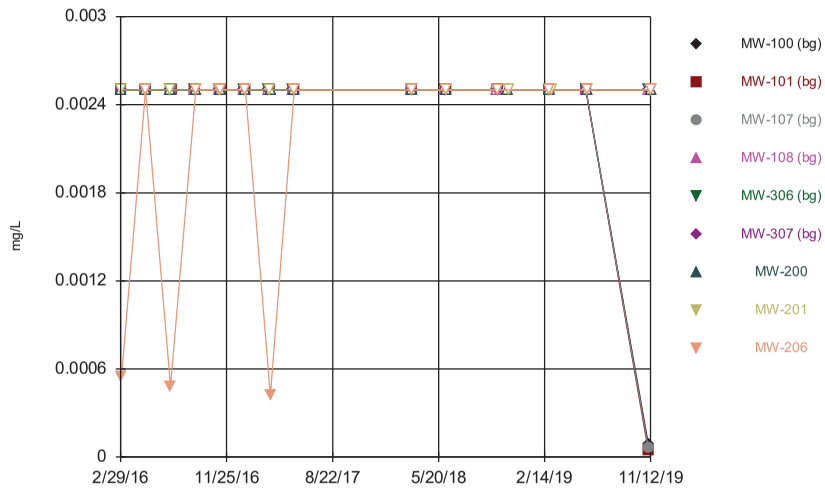
Time Series



Constituent: Barium Analysis Run 3/9/2020 11:03 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

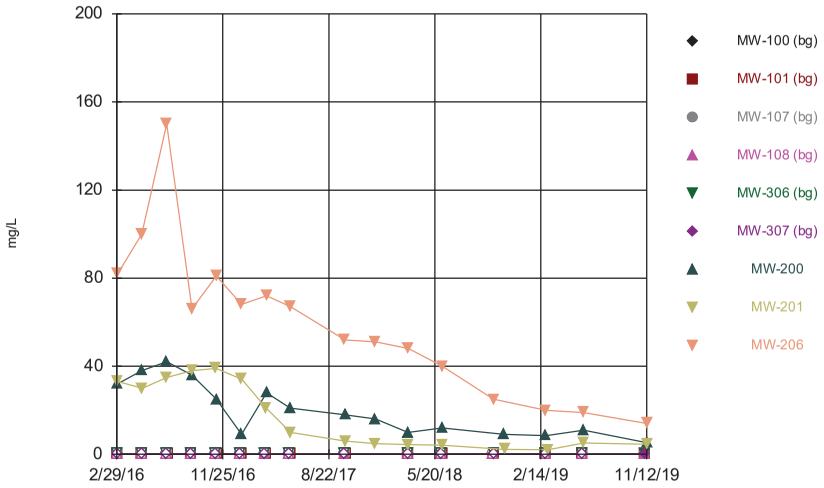
Time Series



Constituent: Beryllium Analysis Run 3/9/2020 11:03 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

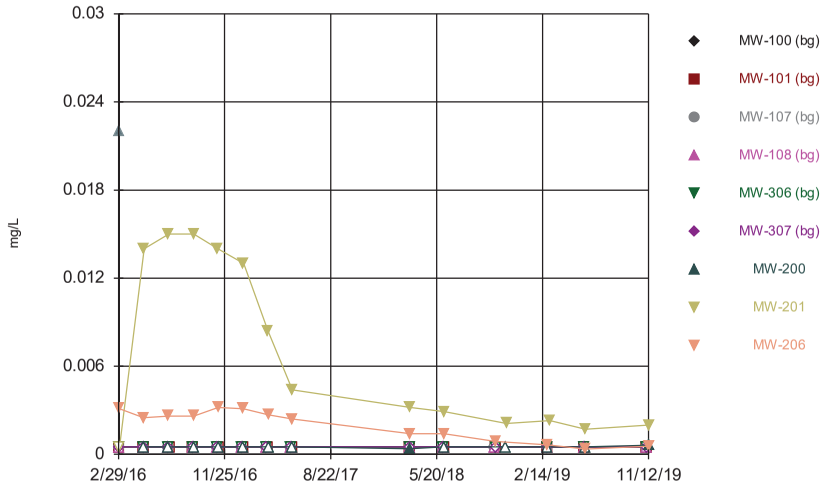
Time Series



Constituent: Boron Analysis Run 3/9/2020 11:03 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

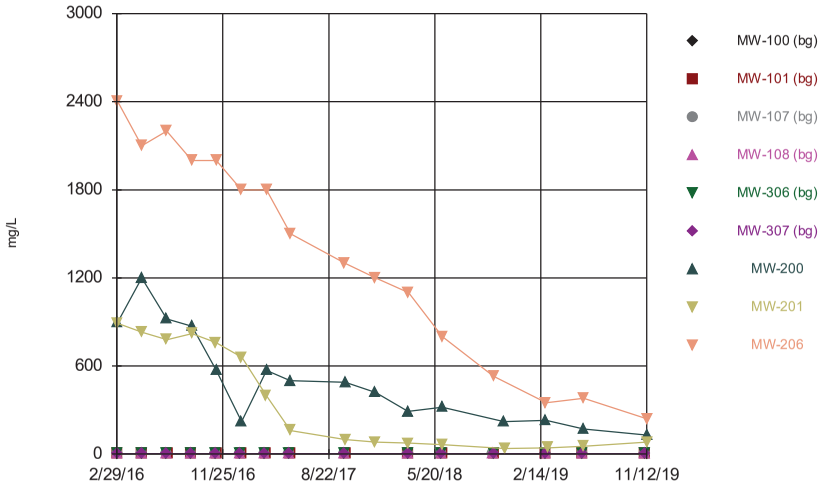
Time Series



Constituent: Cadmium Analysis Run 3/9/2020 11:03 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

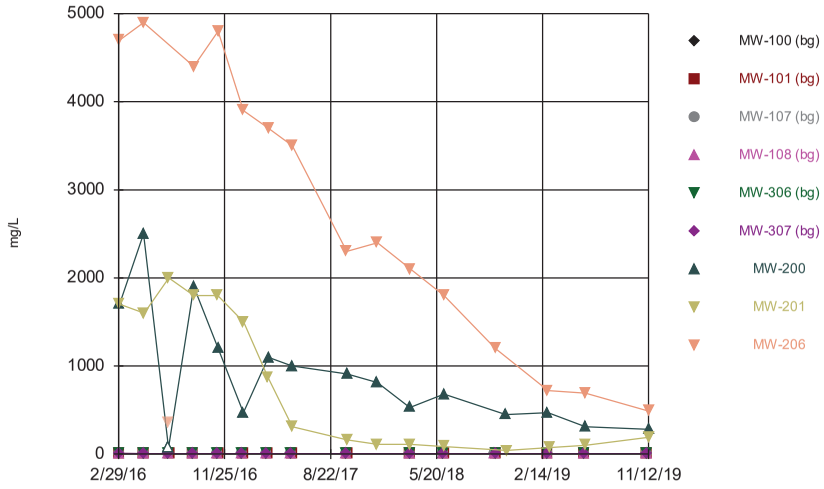
Time Series



Constituent: Calcium Analysis Run 3/9/2020 11:03 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

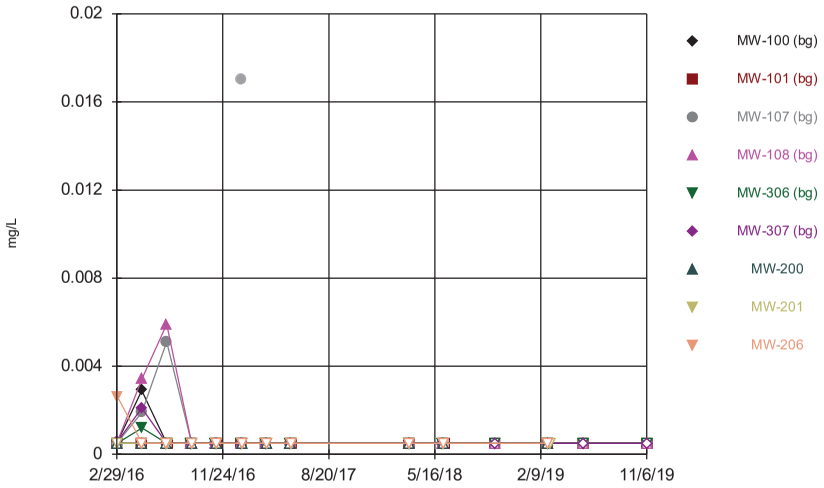
Time Series



Constituent: Chloride Analysis Run 3/9/2020 11:03 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

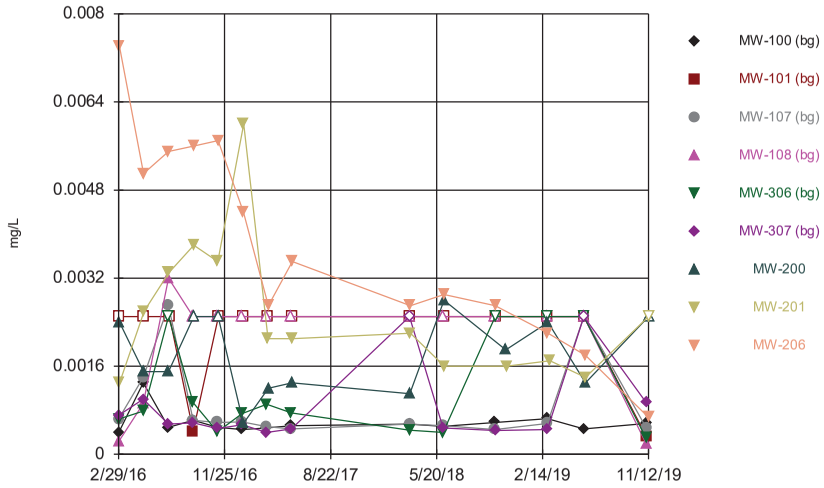
Time Series



Constituent: Chromium Analysis Run 3/9/2020 11:03 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

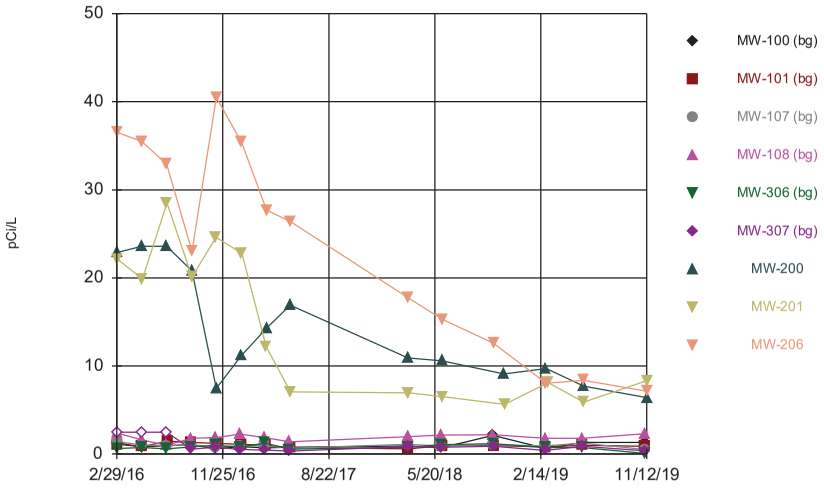
Time Series



Constituent: Cobalt Analysis Run 3/9/2020 11:03 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

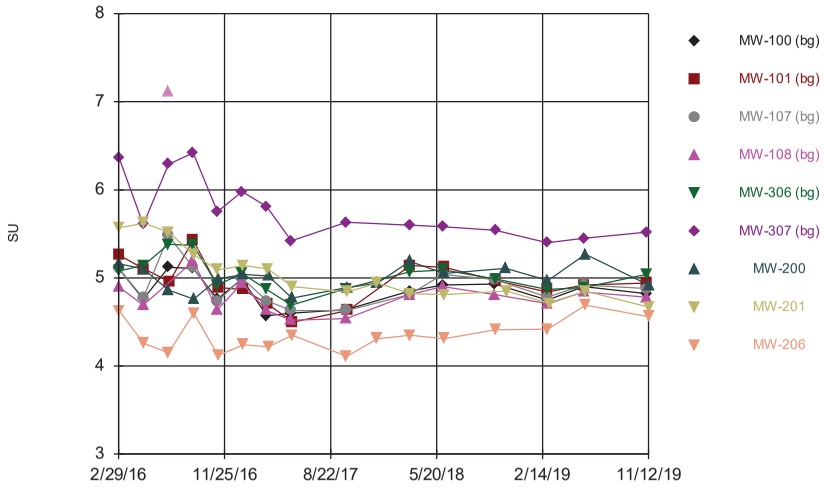
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 3/9/2020 11:03 AM View: Descriptive - 200 Serie
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

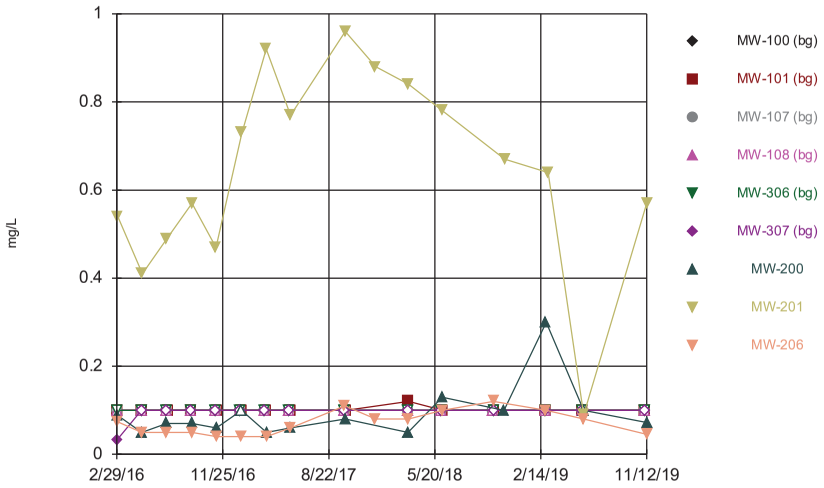
Time Series



Constituent: Field pH Analysis Run 3/9/2020 11:03 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

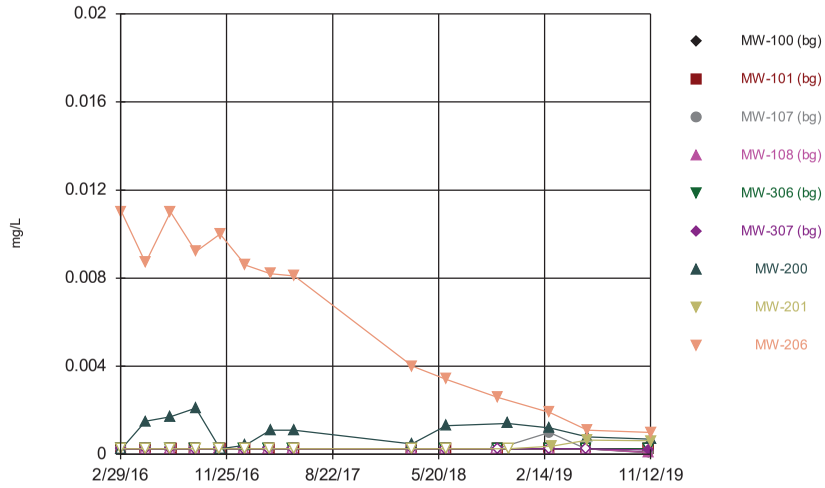
Time Series



Constituent: Fluoride Analysis Run 3/9/2020 11:04 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

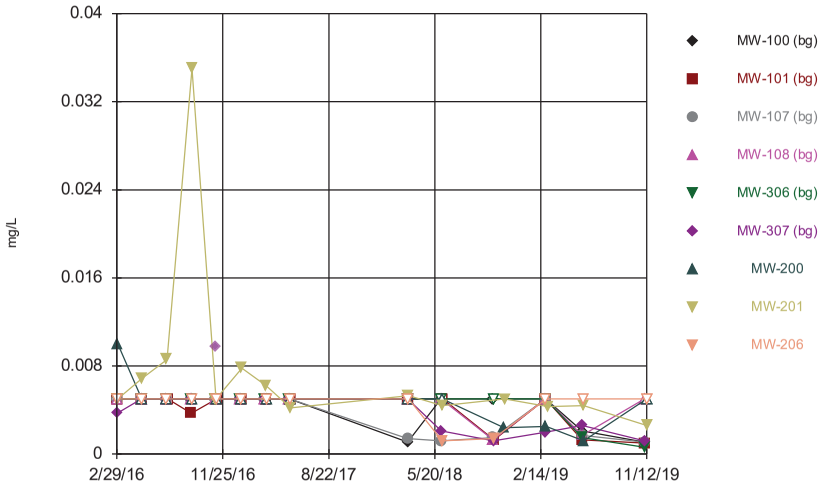
Time Series



Constituent: Lead Analysis Run 3/9/2020 11:04 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

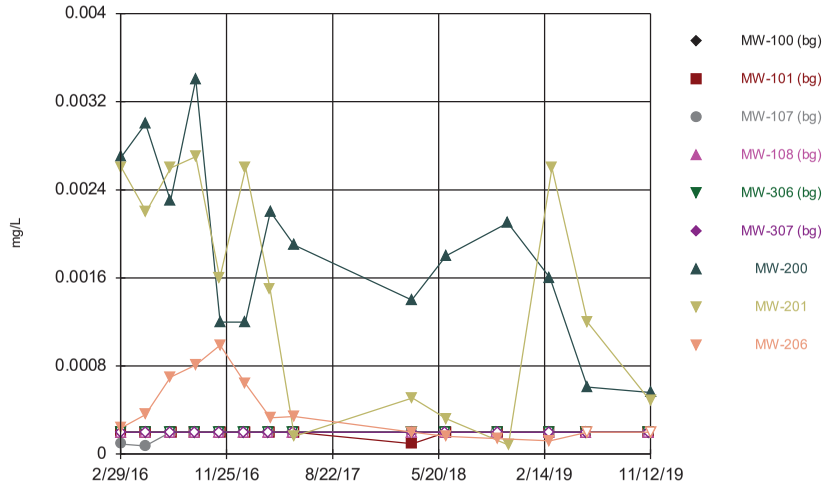
Time Series



Constituent: Lithium Analysis Run 3/9/2020 11:04 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

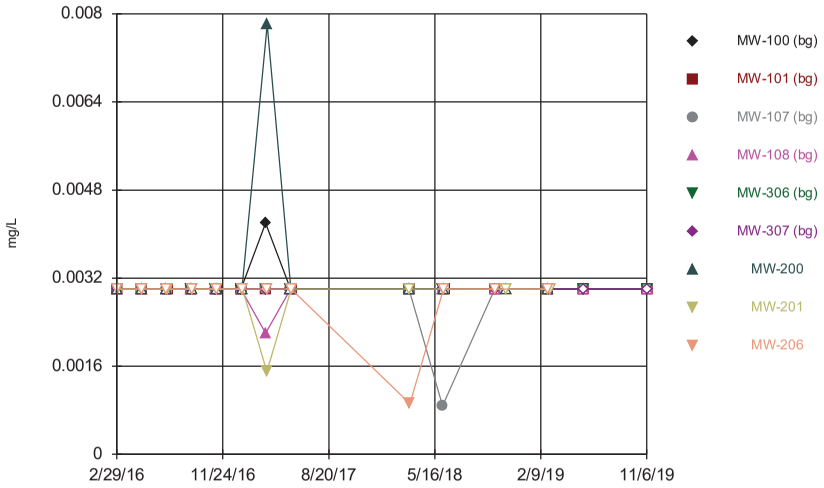
Time Series



Constituent: Mercury Analysis Run 3/9/2020 11:04 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

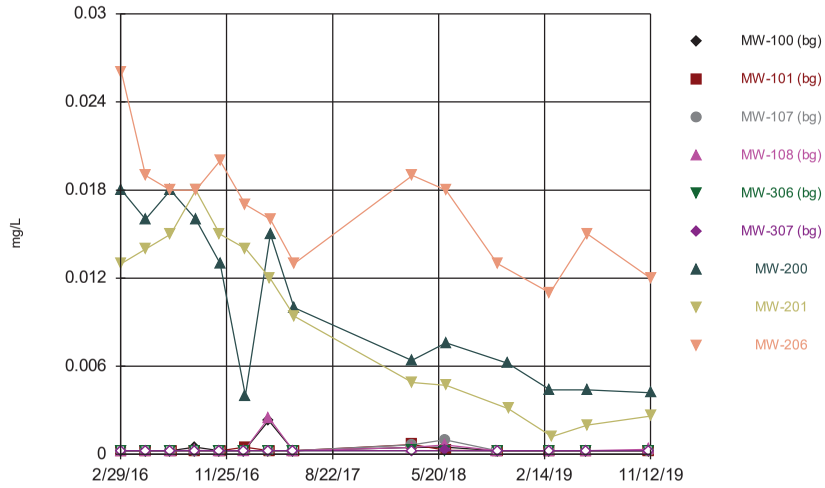
Time Series



Constituent: Molybdenum Analysis Run 3/9/2020 11:04 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

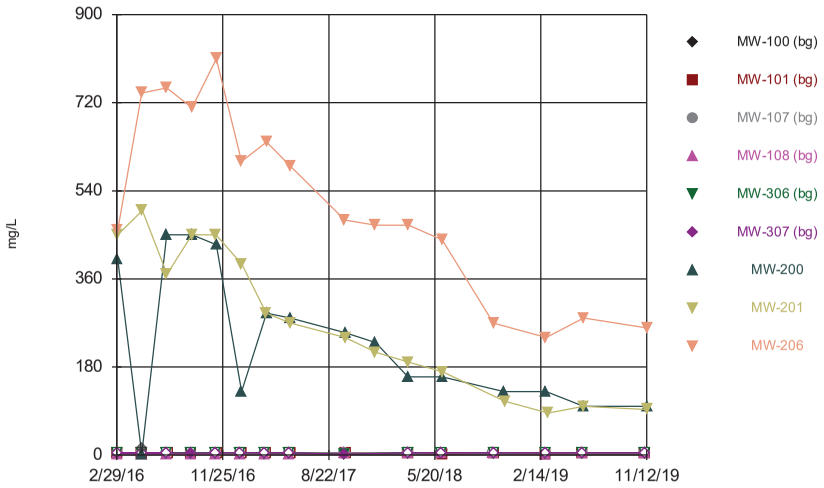
Time Series



Constituent: Selenium Analysis Run 3/9/2020 11:04 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

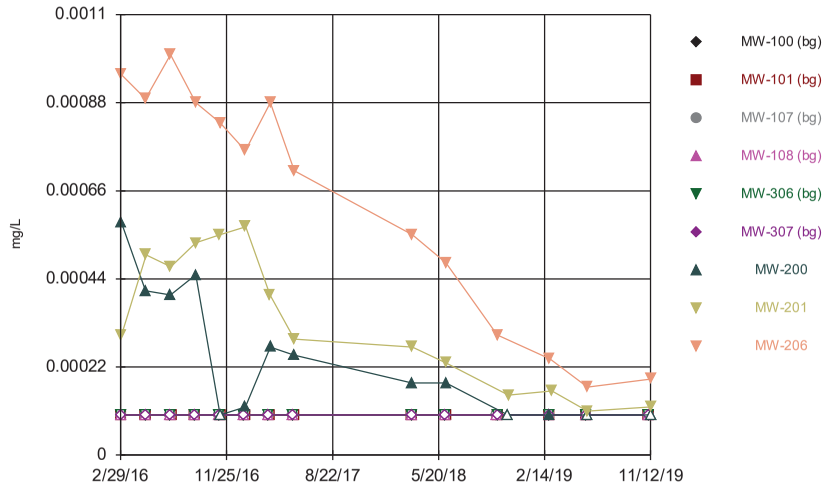
Time Series



Constituent: Sulfate Analysis Run 3/9/2020 11:04 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

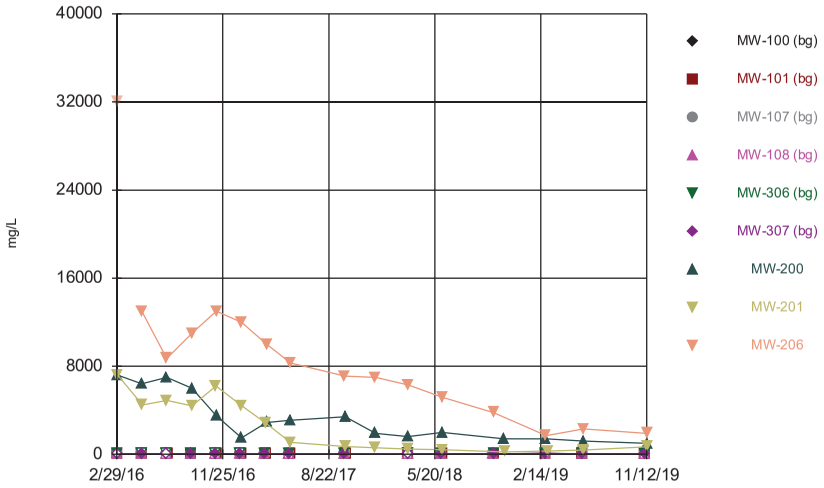
Time Series



Constituent: Thallium Analysis Run 3/9/2020 11:04 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Total Dissolved Solids Analysis Run 3/9/2020 11:04 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/9/2020 11:07 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	<0.0025	<0.0025	<0.0025	<0.0025					
3/1/2016					<0.0025	<0.0025			
3/2/2016							<0.0025	<0.0025	<0.0025
5/2/2016	<0.0025		<0.0025	<0.0025		<0.0025			
5/3/2016					<0.0025		<0.0025		<0.0025
5/4/2016		<0.0025						0.001 (J)	
7/5/2016	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025
7/6/2016								<0.0025	
7/8/2016		<0.0025							
9/6/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
9/8/2016							<0.0025	<0.0025	<0.0025
11/7/2016	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
11/8/2016								<0.0025	
11/9/2016							<0.0025		<0.0025
11/10/2016		<0.0025							
1/9/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
1/11/2017		<0.0025							
1/12/2017							<0.0025		<0.0025
1/13/2017								<0.0025	
3/13/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
3/14/2017		<0.0025							
3/16/2017								<0.0025	
3/17/2017							<0.0025		<0.0025
5/15/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
5/16/2017							<0.0025		
5/17/2017								<0.0025	<0.0025
5/18/2017		<0.0025							
3/12/2018	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
3/13/2018							<0.0025		
3/14/2018		<0.0025						<0.0025	0.0011 (J)
6/5/2018	<0.0025		<0.0025	<0.0025					
6/6/2018					<0.0025	<0.0025			
6/8/2018							<0.0025		<0.0025
6/9/2018								<0.0025	
6/10/2018		<0.0025							
10/16/2018	<0.0025		<0.0025	<0.0025					
10/17/2018					<0.0025	<0.0025			<0.0025
10/18/2018		<0.0025							
11/13/2018							<0.0025		
11/14/2018								0.001 (J)	
2/27/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
2/28/2019							<0.0025		<0.0025
3/5/2019								<0.0025	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/9/2020 11:07 AM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	<0.0013	<0.0013	<0.0013	<0.0013					
3/1/2016					<0.0013	0.00038 (J)			
3/2/2016							0.0059 (J)	0.0033 (J)	0.021
5/2/2016	<0.0013		<0.0013	<0.0013		0.00073 (J)			
5/3/2016					<0.0013		0.0038		0.016
5/4/2016		<0.0013						0.0068	
7/5/2016	<0.0013		<0.0013	<0.0013	<0.0013	0.00077 (J)	0.0051		0.017
7/6/2016								0.01	
7/8/2016		<0.0013							
9/6/2016	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0013			
9/8/2016							0.0042 (J)	0.0093	0.011
11/7/2016	<0.0013		<0.0013	<0.0013	<0.0013	<0.0013			
11/8/2016								0.0043 (J)	
11/9/2016							<0.0013		0.011
11/10/2016		<0.0013							
1/9/2017	<0.0013		<0.0013	<0.0013	<0.0013	0.00053 (J)			
1/11/2017		<0.0013							
1/12/2017							0.00068 (J)		0.0062
1/13/2017								0.0034	
3/13/2017	0.00069 (J)		<0.0013	0.00069 (J)	<0.0013	<0.0013			
3/14/2017		<0.0013							
3/16/2017								0.0023	
3/17/2017							0.0029		0.0078
5/15/2017	<0.0013		<0.0013	<0.0013	<0.0013	<0.0013			
5/16/2017							0.0018		
5/17/2017								0.0009 (J)	0.0052
5/18/2017		<0.0013							
3/12/2018	<0.0013		<0.0013	<0.0013	<0.0013	<0.0013			
3/13/2018							0.0013		
3/14/2018		<0.0013						0.00062 (J)	0.0033
6/5/2018	<0.0013		<0.0013	<0.0013					
6/6/2018					<0.0013	<0.0013			
6/8/2018							0.0018		0.003
6/9/2018								0.00063 (J)	
6/10/2018		0.00046 (J)							
10/16/2018	<0.0013		<0.0013	<0.0013					
10/17/2018					<0.0013	<0.0013			0.0028
10/18/2018		<0.0013							
11/13/2018							0.00072 (J)		
11/14/2018								<0.0013	
2/27/2019	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013			
2/28/2019							0.00067 (J)		0.00089 (J)
3/5/2019								<0.0013	
5/31/2019	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013			
6/4/2019							0.00048 (J)	<0.0013	0.001 (J)
11/6/2019	0.0002 (J)	0.00019 (J)	0.0002 (J)	0.00012 (J)	0.00014 (J)	0.00024 (J)			
11/12/2019							0.0011 (J)	<0.0013	0.0022 (V)

Time Series

Constituent: Barium (mg/L) Analysis Run 3/9/2020 11:07 AM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	0.014	0.0097 (J)	0.013	0.013					
3/1/2016					0.012	0.015			
3/2/2016							0.089	0.064	0.13
5/2/2016	0.013		0.013	0.01		0.013			
5/3/2016					0.012		0.076		0.11
5/4/2016		0.0095						0.078	
7/5/2016	0.013		0.013	0.0089	0.011	0.017	0.068		0.12
7/6/2016								0.081	
7/8/2016		0.0093							
9/6/2016	0.016	0.011	0.013	0.01	0.012	0.017			
9/8/2016							0.078	0.095	0.13
11/7/2016	0.014		0.013	0.0096	0.012	0.023			
11/8/2016								0.083	
11/9/2016							0.051		0.12
11/10/2016		0.0092							
1/9/2017	0.015		0.012	0.011	0.013	0.016			
1/11/2017		0.0092							
1/12/2017							0.036		0.1
1/13/2017								0.071	
3/13/2017	0.015		0.013	0.011	0.013	0.016			
3/14/2017		0.0095							
3/16/2017								0.06	
3/17/2017							0.061		0.12
5/15/2017	0.015		0.011	0.0089	0.012	0.015			
5/16/2017							0.061		
5/17/2017								0.036	0.11
5/18/2017		0.0095							
3/12/2018	0.017		0.013	0.01	0.013	0.015			
3/13/2018							0.042		
3/14/2018		0.0089						0.03	0.079
6/5/2018	0.018		0.014	0.011					
6/6/2018					0.014	0.017			
6/8/2018							0.057		0.07
6/9/2018								0.029	
6/10/2018		0.0092							
10/16/2018	0.017		0.011	0.011					
10/17/2018					0.012	0.016			0.059
10/18/2018		0.0089							
11/13/2018							0.048		
11/14/2018								0.028	
2/27/2019	0.021	0.011	0.014	0.011	0.015	0.018			
2/28/2019							0.045		0.048
3/5/2019								0.035	
5/31/2019	0.02	0.0088	0.013	0.01	0.014	0.016			
6/4/2019							0.04	0.04	0.048
11/6/2019	0.019	0.0094	0.012	0.0097	0.013	0.017			
11/12/2019							0.0071	0.011	0.0081

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/9/2020 11:07 AM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	<0.0025	<0.0025	<0.0025	<0.0025					
3/1/2016					<0.0025	<0.0025			
3/2/2016							<0.0025	<0.0025	0.00055 (J)
5/2/2016	<0.0025		<0.0025	<0.0025		<0.0025			
5/3/2016					<0.0025		<0.0025		<0.0025
5/4/2016		<0.0025						<0.0025	
7/5/2016	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		0.00048 (J)
7/6/2016								<0.0025	
7/8/2016		<0.0025							
9/6/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
9/8/2016							<0.0025	<0.0025	<0.0025
11/7/2016	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
11/8/2016								<0.0025	
11/9/2016							<0.0025		<0.0025
11/10/2016		<0.0025							
1/9/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
1/11/2017		<0.0025							
1/12/2017							<0.0025		<0.0025
1/13/2017								<0.0025	
3/13/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
3/14/2017		<0.0025							
3/16/2017								<0.0025	
3/17/2017							<0.0025		0.00042 (J)
5/15/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
5/16/2017							<0.0025		
5/17/2017								<0.0025	<0.0025
5/18/2017		<0.0025							
3/12/2018	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
3/13/2018							<0.0025		
3/14/2018		<0.0025						<0.0025	<0.0025
6/5/2018	<0.0025		<0.0025	<0.0025					
6/6/2018					<0.0025	<0.0025			
6/8/2018							<0.0025		<0.0025
6/9/2018								<0.0025	
6/10/2018		<0.0025							
10/16/2018	<0.0025		<0.0025	<0.0025					
10/17/2018					<0.0025	<0.0025			<0.0025
10/18/2018		<0.0025							
11/13/2018							<0.0025 (J3)		
11/14/2018								<0.0025 (J3)	
2/27/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
2/28/2019							<0.0025		<0.0025
3/5/2019								<0.0025	
5/31/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
6/4/2019							<0.0025	<0.0025	<0.0025
11/6/2019	9E-05 (J)	4.7E-05 (J)	6.6E-05 (J)	<0.0025	<0.0025	<0.0025			
11/12/2019							<0.0025	<0.0025	<0.0025

Time Series

Constituent: Boron (mg/L) Analysis Run 3/9/2020 11:07 AM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	<0.05	<0.05	<0.05	<0.05					
3/1/2016					<0.05	<0.05			
3/2/2016							32	33	82
5/2/2016	<0.05		<0.05	<0.05		<0.05			
5/3/2016					<0.05		38		100
5/4/2016		<0.05						30	
7/5/2016	<0.05		<0.05	<0.05	<0.05	<0.05	42		150
7/6/2016								35	
7/8/2016		<0.05							
9/6/2016	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
9/8/2016							36	38	66
11/7/2016	<0.05		<0.05	<0.05	<0.05	<0.05			
11/8/2016								39	
11/9/2016							25		81
11/10/2016		<0.05							
1/9/2017	<0.05		<0.05	<0.05	<0.05	<0.05			
1/11/2017		<0.05							
1/12/2017							9.1		68
1/13/2017								34	
3/13/2017	<0.05		<0.05	0.022 (J)	<0.05	<0.05			
3/14/2017		<0.05							
3/16/2017								21	
3/17/2017							28		72
5/15/2017	<0.05		<0.05	<0.05	<0.05	<0.05			
5/16/2017							21		
5/17/2017								10	67
5/18/2017		<0.05							
10/2/2017	<0.05		<0.05	0.023 (J)	<0.05	<0.05			
10/3/2017									52
10/4/2017							18	6	
10/5/2017		<0.05							
12/20/2017							16 (R)	4.9 (R)	51
3/12/2018	<0.05		<0.05	<0.05	<0.05	<0.05			
3/13/2018							10		
3/14/2018		<0.05						4.4	48
6/5/2018	<0.05		<0.05	<0.05					
6/6/2018					<0.05	<0.05			
6/8/2018							12		40
6/9/2018								4.1	
6/10/2018		<0.05							
10/16/2018	<0.05		<0.05	<0.05					
10/17/2018					<0.05	<0.05			25
10/18/2018		0.081							
11/13/2018							9.1		
11/14/2018								2.3	
2/27/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
2/28/2019							8.5		20
3/5/2019								2.1	
5/31/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
6/4/2019							11	5.2	19
11/6/2019	0.017 (V)	0.016 (V)	0.016 (V)	0.022 (V)	0.011 (V)	0.0099 (J)			
11/12/2019							5.3	4.5	14

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/9/2020 11:07 AM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	<0.0005	<0.0005	<0.0005	<0.0005					
3/1/2016					<0.0005	<0.0005			
3/2/2016							0.022 (o)	<0.0005	0.0031 (J)
5/2/2016	<0.0005		<0.0005	<0.0005		<0.0005			
5/3/2016					<0.0005		<0.0005		0.0025
5/4/2016		<0.0005						0.014	
7/5/2016	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		0.0026
7/6/2016								0.015	
7/8/2016		<0.0005							
9/6/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
9/8/2016							<0.0005	0.015	0.0026 (J)
11/7/2016	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
11/8/2016								0.014	
11/9/2016							<0.0005		0.0032 (J)
11/10/2016		<0.0005							
1/9/2017	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
1/11/2017		<0.0005							
1/12/2017							<0.0005		0.0031
1/13/2017								0.013	
3/13/2017	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
3/14/2017		<0.0005							
3/16/2017								0.0084	
3/17/2017							<0.0005		0.0027
5/15/2017	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
5/16/2017							<0.0005		
5/17/2017								0.0044	0.0024 (J)
5/18/2017		<0.0005							
3/12/2018	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
3/13/2018							0.00039 (J)		
3/14/2018		<0.0005						0.0032	0.0014 (J)
6/5/2018	<0.0005		<0.0005	<0.0005					
6/6/2018					<0.0005	<0.0005			
6/8/2018							<0.0005		0.0014 (J)
6/9/2018								0.0029	
6/10/2018		<0.0005							
10/16/2018	<0.0005		<0.0005	<0.0005					
10/17/2018					<0.0005	<0.0005			0.00088 (J)
10/18/2018		<0.0005							
11/13/2018							<0.0005		
11/14/2018								0.0021 (J)	
2/27/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
2/28/2019							<0.0005		0.00065 (J)
3/5/2019								0.0023 (J)	
5/31/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
6/4/2019							<0.0005	0.0017 (J)	0.00035 (J)
11/6/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
11/12/2019							0.00061 (J)	0.002 (J)	0.00055 (J)

Time Series

Constituent: Calcium (mg/L) Analysis Run 3/9/2020 11:07 AM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	1	1 (J)	0.67	1.4					
3/1/2016					0.6	1.5			
3/2/2016							900	890	2400
5/2/2016	0.78		0.58	1.1		0.83			
5/3/2016					0.55		1200		2100
5/4/2016		0.62						830	
7/5/2016	0.65		0.43	0.94	0.53	1.6	920		2200
7/6/2016								780	
7/8/2016		0.4							
9/6/2016	0.7	0.45	0.48	1	0.5	1.6			
9/8/2016							870	820	2000
11/7/2016	0.8		0.56	1.2	0.68	1.5			
11/8/2016								760	
11/9/2016							570		2000
11/10/2016		0.44							
1/9/2017	0.74		0.43	1.2	0.56	0.98			
1/11/2017		0.42							
1/12/2017							220		1800
1/13/2017								660	
3/13/2017	0.78		0.48	1.3	0.62	0.75			
3/14/2017		0.42							
3/16/2017								400	
3/17/2017							570		1800
5/15/2017	0.76		0.37	1	0.58	0.83			
5/16/2017							500		
5/17/2017								160	1500
5/18/2017		0.38							
10/2/2017	0.78		0.47	1.2	0.62	0.83			
10/3/2017									1300
10/4/2017							490	100	
10/5/2017		0.39							
12/20/2017							420 (R)	82 (R)	1200
3/12/2018	0.88		0.49	1.4	0.59	0.71			
3/13/2018							290		
3/14/2018		0.49						75	1100
6/5/2018	0.9		0.49	1.2					
6/6/2018					0.59	0.68			
6/8/2018							320		800
6/9/2018								64	
6/10/2018		0.39							
10/16/2018	0.86		0.42	1.4					
10/17/2018					0.54	0.66			530
10/18/2018		0.41							
11/13/2018							220		
11/14/2018								38	
2/27/2019	0.96	0.44	0.56	1.3	0.63	0.7			
2/28/2019							230		350
3/5/2019								43	
5/31/2019	0.76	0.28	0.33	1.1	0.45	0.52			
6/4/2019							170	54	380 (D)
11/6/2019	0.88	0.46	0.49	1.2	0.55	0.74			
11/12/2019							130	82	240

Time Series

Constituent: Chloride (mg/L) Analysis Run 3/9/2020 11:07 AM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	5.3	5.4	8.1	7.4					
3/1/2016					5.6	4			
3/2/2016							1700	1700	4700
5/2/2016	4.4		6	6.3		3.6			
5/3/2016					5.1		2500		4900
5/4/2016		4.5						1600	
7/5/2016	4.2		5.2	4.8	4.7	3.6	<140 (*)		360 (o)
7/6/2016								2000	
7/8/2016		4.9							
9/6/2016	4.3	4.3	5.5	6	4.4	4			
9/8/2016							1900	1800	4400
11/7/2016	4.2		5.4	5.7	4.6	4.4			
11/8/2016								1800	
11/9/2016							1200		4800
11/10/2016		4.5							
1/9/2017	5.3		6.1	6.8	5.3	4.4			
1/11/2017		5.3							
1/12/2017							470		3900
1/13/2017								1500	
3/13/2017	5.2		5.5	6.8	5.6	4.1			
3/14/2017		5.5							
3/16/2017								870	
3/17/2017							1100		3700
5/15/2017	4.8		4.7	6.1	5.2	3.7			
5/16/2017							1000		
5/17/2017								310	3500
5/18/2017		5							
10/2/2017	5.5		6.1	6	5.5	4.8			
10/3/2017									2300
10/4/2017							910	160	
10/5/2017		5.6							
12/20/2017							810 (R)	110 (R)	2400
3/12/2018	5.3		6.1	5.9	5.6	4			
3/13/2018							530		
3/14/2018		5.2						110	2100
6/5/2018	5.3		5.5	6.5					
6/6/2018					5.6	4.1			
6/8/2018							680		1800
6/9/2018								86	
6/10/2018		5.2							
10/16/2018	5.5		5.1	5.9					
10/17/2018					5.5	3.7			1200
10/18/2018		5.2							
11/13/2018							450		
11/14/2018								41	
2/27/2019	4.6	5.1	5	4.3	5.1	4			
2/28/2019							470		720
3/5/2019								75	
5/31/2019	5.1	5	5.4	4.5	5.4	3.7			
6/4/2019							310	98	690
11/6/2019	5.8	6	6.1	5.7	5.9	4.7			
11/12/2019							280	190	490

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/9/2020 11:07 AM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	<0.0005	<0.0005	<0.0005	<0.0005					
3/1/2016					<0.0005	0.00056 (J)			
3/2/2016							<0.0005	<0.0005	0.0026 (J)
5/2/2016	0.0029		0.0019 (J)	0.0034		0.0021 (J)			
5/3/2016					0.0012 (J)		<0.0005		<0.0005
5/4/2016		<0.0005						<0.0005	
7/5/2016	<0.0005		0.0051	0.0059	<0.0005	<0.0005	<0.0005		<0.0005
7/6/2016								<0.0005	
7/8/2016		<0.0005							
9/6/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
9/8/2016							<0.0005	<0.0005	<0.0005
11/7/2016	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
11/8/2016								<0.0005	
11/9/2016							<0.0005		<0.0005
11/10/2016		<0.0005							
1/9/2017	<0.0005		0.017 (o)	<0.0005	<0.0005	<0.0005			
1/11/2017		<0.0005							
1/12/2017							<0.0005		<0.0005
1/13/2017								<0.0005	
3/13/2017	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
3/14/2017		<0.0005							
3/16/2017								<0.0005	
3/17/2017							<0.0005		<0.0005
5/15/2017	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
5/16/2017							<0.0005		
5/17/2017								<0.0005	<0.0005
5/18/2017		<0.0005							
3/12/2018	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
3/13/2018							<0.0005		
3/14/2018		<0.0005						<0.0005	<0.0005
6/5/2018	<0.0005		<0.0005	<0.0005					
6/6/2018					<0.0005	<0.0005			
6/8/2018							<0.0005		<0.0005
6/9/2018								<0.0005	
6/10/2018		<0.0005							
10/16/2018	<0.0005		<0.0005	<0.0005					
10/17/2018					<0.0005	<0.0005			
10/18/2018		<0.0005							
2/27/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
2/28/2019							<0.0005		<0.0005
3/5/2019								<0.0005	
5/31/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
11/6/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/9/2020 11:07 AM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	0.00039 (J)	<0.0025	0.00064 (J)	0.00023 (J)					
3/1/2016					0.00064 (J)	0.00071 (J)			
3/2/2016							0.0024 (J)	0.0013 (J)	0.0074 (J)
5/2/2016	0.0013 (J)		0.0014 (J)	0.00092 (J)		0.001 (J)			
5/3/2016					0.00079 (J)		0.0015 (J)		0.0051
5/4/2016		<0.0025						0.0026	
7/5/2016	0.00049 (J)		0.0027	0.0032	<0.0025	0.00055 (J)	0.0015 (J)		0.0055
7/6/2016								0.0033	
7/8/2016		<0.0025							
9/6/2016	0.00062 (J)	0.00042 (J)	0.00062 (J)	<0.0025	0.00094 (J)	0.00057 (J)			
9/8/2016							<0.0025	0.0038 (J)	0.0056 (J)
11/7/2016	0.00049 (J)		0.00058 (J)	<0.0025	0.00041 (J)	0.00047 (J)			
11/8/2016								0.0035 (J)	
11/9/2016							<0.0025		0.0057 (J)
11/10/2016		<0.0025							
1/9/2017	0.00045 (J)		0.00059 (J)	<0.0025	0.00074 (J)	0.00054 (J)			
1/11/2017		<0.0025							
1/12/2017							0.00056 (J)		0.0044
1/13/2017								0.006	
3/13/2017	0.00048 (J)		0.0005 (J)	<0.0025	0.00091 (J)	0.0004 (J)			
3/14/2017		<0.0025							
3/16/2017								0.0021 (J)	
3/17/2017							0.0012 (J)		0.0027
5/15/2017	0.00052 (J)		0.00046 (J)	<0.0025	0.00075 (J)	0.00046 (J)			
5/16/2017							0.0013 (J)		
5/17/2017								0.0021 (J)	0.0035
5/18/2017		<0.0025							
3/12/2018	0.00055 (J)		0.00055 (J)	<0.0025	0.00044 (J)	<0.0025			
3/13/2018							0.0011 (J)		
3/14/2018		<0.0025						0.0022 (J)	0.0027
6/5/2018	0.00051 (J)		0.00052 (J)	<0.0025					
6/6/2018					0.0004 (J)	0.00048 (J)			
6/8/2018							0.0028		0.0029
6/9/2018								0.0016 (J)	
6/10/2018		<0.0025							
10/16/2018	0.00058 (J)		0.00045 (J)	<0.0025					
10/17/2018					<0.0025	0.00043 (J)			0.0027
10/18/2018		<0.0025							
11/13/2018							0.0019 (J)		
11/14/2018								0.0016 (J)	
2/27/2019	0.00065 (J)	<0.0025	0.00056 (J)	<0.0025	<0.0025	0.00045 (J)			
2/28/2019							0.0024 (J)		0.0022 (J)
3/5/2019								0.0017 (J)	
5/31/2019	0.00046 (J)	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
6/4/2019							0.0013 (J)	0.0014 (J)	0.0018 (J)
11/6/2019	0.00056 (J)	0.00033 (J)	0.00048 (J)	0.00019 (J)	0.00029 (J)	0.00094 (J)			
11/12/2019							<0.0025	<0.0025	0.00067 (J)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 3/9/2020 11:07 AM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	1.27	1.09	1.42	2.4					
3/1/2016					0.647	<5			
3/2/2016							22.9	22.1	36.5
5/2/2016	0.808		1.03	1.62		<5			
5/3/2016					0.748		23.6		35.5
5/4/2016		0.848						19.9	
7/5/2016	0.947		0.961	1.01	0.591	<5	23.6		32.9
7/6/2016								28.5	
7/8/2016		1.46							
9/6/2016	1.07	1.34	1.07	1.8	0.831	0.566			
9/8/2016							20.8	20.1	23
11/7/2016	0.602		0.818	1.86	0.983	0.784			
11/8/2016								24.6	
11/9/2016							7.46		40.5
11/10/2016		1.23							
1/9/2017	0.865		0.934	2.25	0.767	0.541			
1/11/2017		1.11							
1/12/2017							11.2		35.4
1/13/2017								22.8	
3/13/2017	0.693		0.937	1.87	1.26	0.442			
3/14/2017		1.01							
3/16/2017								12.2	
3/17/2017							14.3		27.7
5/15/2017	0.786		0.685	1.4	0.553	0.345			
5/16/2017							16.9		
5/17/2017								7.05	26.4
5/18/2017		0.745							
3/12/2018	0.933		1.09	1.97	0.783	0.848			
3/13/2018							10.9		
3/14/2018		0.614						6.95	17.7
6/5/2018	0.713		0.927	2.17					
6/6/2018					1.08	0.78			
6/8/2018							10.6		15.3
6/9/2018								6.52	
6/10/2018		0.959							
10/16/2018	2.14		1.07	2.2					
10/17/2018					1.19	0.88			12.6
10/18/2018		0.944							
11/13/2018							9.09		
11/14/2018								5.66	
2/27/2019	0.651	0.827	0.912	1.8	0.741	0.431			
2/28/2019							9.7		8.04
3/5/2019								8.11	
5/31/2019	1.33	0.99	1.24	1.8	0.759	0.884			
6/4/2019							7.7	5.89	8.36
11/6/2019	1.32	0.892	0.509 (U)	2.32	0.105 (U)	0.366 (U)			
11/12/2019							6.4	8.32	7.14

Time Series

Constituent: Field pH (SU) Analysis Run 3/9/2020 11:07 AM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	5.11	5.26	5.11	4.9					
3/1/2016					5.08	6.37			
3/2/2016							5.16 (D)	5.57	4.62
5/2/2016	4.76		4.77	4.69		5.605 (D)			
5/3/2016					5.14		5.1		4.26
5/4/2016		5.1						5.62	
7/5/2016	5.12		5.48	7.11 (o)	5.38	6.29	4.86		4.15
7/6/2016								5.52	
7/8/2016		4.96							
9/6/2016	5.11	5.43	5.12	5.19	5.37	6.42			
9/8/2016							4.76	5.26	4.6
11/7/2016	4.76		4.73	4.64	4.92	5.75			
11/8/2016								5.09	
11/9/2016							4.99		4.12
11/10/2016		4.89							
1/9/2017	4.99		5	4.94	5.05	5.98			
1/11/2017		4.87							
1/12/2017							5.04		4.24
1/13/2017								5.14	
3/13/2017	4.57		4.74	4.63	4.87	5.81			
3/14/2017		4.71							
3/16/2017								5.1	
3/17/2017							5.02		4.22
5/15/2017	4.6		4.63	4.52	4.69	5.42			
5/16/2017							4.77		
5/17/2017								4.9	4.35
5/18/2017		4.5							
10/2/2017	4.64		4.63	4.54	4.88	5.63			
10/3/2017									4.11
10/4/2017							4.89	4.84	
10/5/2017		4.63							
12/20/2017							4.94 (R)	4.94 (R)	4.31
3/12/2018	4.85		4.81	4.81	5.07	5.6			
3/13/2018							5.19		
3/14/2018		5.14						4.82	4.35
6/5/2018	4.92		5.04	4.9					
6/6/2018					5.09	5.58			
6/8/2018							5.05		4.31
6/9/2018								4.81	
6/10/2018		5.12							
10/16/2018	4.93		4.98	4.81					
10/17/2018					4.99	5.54			4.41
10/18/2018		4.97							
11/13/2018							5.11		
11/14/2018								4.85	
2/27/2019	4.75	4.84	4.78	4.71	4.87	5.4			
2/28/2019							4.97		4.42
3/5/2019								4.71	
5/31/2019	4.9	4.92	4.92	4.84	4.89	5.45			
6/4/2019							5.27	4.85	4.69
11/6/2019	4.82	4.94	4.88	4.78	5.04	5.52			
11/12/2019							4.92	4.67	4.56

Time Series

Constituent: Fluoride (mg/L) Analysis Run 3/9/2020 11:08 AM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	<0.1	<0.1	<0.1	<0.1					
3/1/2016					<0.1	0.033 (J)			
3/2/2016							0.088 (J)	0.54	0.074 (J)
5/2/2016	<0.1		<0.1	<0.1		<0.1			
5/3/2016					<0.1		0.05 (J)		0.05 (J)
5/4/2016		<0.1						0.41	
7/5/2016	<0.1		<0.1	<0.1	<0.1	<0.1	0.07 (J)		0.05 (J)
7/6/2016								0.49	
7/8/2016		<0.1							
9/6/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
9/8/2016							0.07 (J)	0.57	0.05 (J)
11/7/2016	<0.1		<0.1	<0.1	<0.1	<0.1			
11/8/2016								0.47	
11/9/2016							0.06 (J)		0.04 (J)
11/10/2016		<0.1							
1/9/2017	<0.1		<0.1	<0.1	<0.1	<0.1			
1/11/2017		<0.1							
1/12/2017							<0.1		0.04 (J)
1/13/2017								0.73	
3/13/2017	<0.1		<0.1	<0.1	<0.1	<0.1			
3/14/2017		<0.1							
3/16/2017								0.92	
3/17/2017							0.05 (J)		0.04 (J)
5/15/2017	<0.1		<0.1	<0.1	<0.1	<0.1			
5/16/2017							0.06 (J)		
5/17/2017								0.77	0.06 (J)
5/18/2017		<0.1							
10/2/2017	<0.1		<0.1	<0.1	<0.1	<0.1			
10/3/2017									0.11
10/4/2017							0.08 (J)	0.96	
10/5/2017		<0.1							
12/20/2017								0.88 (R)	0.08 (I)
3/12/2018	<0.1		<0.1	<0.1	<0.1	<0.1			
3/13/2018							0.05 (J)		
3/14/2018		0.12						0.84	0.08 (J)
6/5/2018	<0.1		<0.1	<0.1					
6/6/2018					<0.1	<0.1			
6/8/2018							0.13		0.1
6/9/2018								0.78	
6/10/2018		<0.1							
10/16/2018	<0.1		<0.1	<0.1					
10/17/2018					<0.1	<0.1			0.12
10/18/2018		<0.1							
11/13/2018							0.1		
11/14/2018								0.67	
2/27/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
2/28/2019							0.3		0.1
3/5/2019								0.64	
5/31/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
6/4/2019							<0.1	0.09 (J)	0.08 (J)
11/6/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
11/12/2019							0.072 (J)	0.57	0.045 (J)

Time Series

Constituent: Lead (mg/L) Analysis Run 3/9/2020 11:08 AM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	<0.00025	<0.00025	<0.00025	<0.00025					
3/1/2016					<0.00025	<0.00025			
3/2/2016							<0.00025	<0.00025	0.011
5/2/2016	<0.00025		<0.00025	<0.00025		<0.00025			
5/3/2016					<0.00025		0.0015		0.0087
5/4/2016		<0.00025						<0.00025	
7/5/2016	<0.00025		<0.00025	<0.00025	<0.00025	<0.00025	0.0017		0.011
7/6/2016								<0.00025	
7/8/2016		<0.00025							
9/6/2016	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025			
9/8/2016							0.0021 (J)	<0.00025	0.0092
11/7/2016	<0.00025		<0.00025	<0.00025	<0.00025	<0.00025			
11/8/2016								<0.00025	
11/9/2016							<0.00025		0.01
11/10/2016		<0.00025							
1/9/2017	<0.00025		<0.00025	<0.00025	<0.00025	<0.00025			
1/11/2017		<0.00025							
1/12/2017							0.00041 (J)		0.0086
1/13/2017								<0.00025	
3/13/2017	<0.00025		<0.00025	<0.00025	<0.00025	<0.00025			
3/14/2017		<0.00025							
3/16/2017								<0.00025	
3/17/2017							0.0011 (J)		0.0082
5/15/2017	<0.00025		<0.00025	<0.00025	<0.00025	<0.00025			
5/16/2017							0.0011 (J)		
5/17/2017								<0.00025	0.0081
5/18/2017		<0.00025							
3/12/2018	<0.00025		<0.00025	<0.00025	<0.00025	<0.00025			
3/13/2018							0.00047 (J)		
3/14/2018		<0.00025						<0.00025	0.004
6/5/2018	<0.00025		<0.00025	<0.00025					
6/6/2018					<0.00025	<0.00025			
6/8/2018							0.0013		0.0034
6/9/2018								<0.00025	
6/10/2018		<0.00025							
10/16/2018	<0.00025		<0.00025	<0.00025					
10/17/2018					<0.00025	<0.00025			0.0026
10/18/2018		<0.00025							
11/13/2018							0.0014		
11/14/2018								<0.00025	
2/27/2019	<0.00025	<0.00025	0.001 (J)	<0.00025	<0.00025	<0.00025			
2/28/2019							0.0012 (J)		0.0019
3/5/2019								0.00037 (J)	
5/31/2019	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025			
6/4/2019							0.00079 (J)	0.00065 (J)	0.0011 (J)
11/6/2019	0.0001 (J)	<0.00025	6.6E-05 (J)	8.4E-05 (J)	<0.00025	0.0002 (J)			
11/12/2019							0.00069 (J)	0.00061 (J)	0.001 (J)

Time Series

Constituent: Lithium (mg/L) Analysis Run 3/9/2020 11:08 AM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	<0.005	<0.005	<0.005	<0.005					
3/1/2016					<0.005	0.0037			
3/2/2016							0.01 (J)	<0.005	<0.005
5/2/2016	<0.005		<0.005	<0.005		<0.005			
5/3/2016					<0.005		<0.005		<0.005
5/4/2016		<0.005						0.0069	
7/5/2016	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005		<0.005
7/6/2016								0.0086	
7/8/2016		<0.005							
9/6/2016	<0.005	0.0037 (J)	<0.005	<0.005	<0.005	<0.005			
9/8/2016							<0.005	0.035	<0.005
11/7/2016	<0.005		<0.005	<0.005	<0.005	0.0097 (o)			
11/8/2016								<0.005	
11/9/2016							<0.005		<0.005
11/10/2016		<0.005							
1/9/2017	<0.005		<0.005	<0.005	<0.005	<0.005			
1/11/2017		<0.005							
1/12/2017							<0.005		<0.005
1/13/2017								0.0078	
3/13/2017	<0.005		<0.005	<0.005	<0.005	<0.005			
3/14/2017		<0.005							
3/16/2017								0.0062	
3/17/2017							<0.005		<0.005
5/15/2017	<0.005		<0.005	<0.005	<0.005	<0.005			
5/16/2017							<0.005		
5/17/2017								0.0042 (J)	<0.005
5/18/2017		<0.005							
3/12/2018	0.0011 (J)		0.0014 (J)	<0.005	<0.005	<0.005			
3/13/2018							<0.005		
3/14/2018		<0.005						0.0053	<0.005
6/5/2018	<0.005		0.0012 (J)	<0.005					
6/6/2018					<0.005	0.0021 (J)			
6/8/2018							<0.005		0.0012 (J)
6/9/2018								0.0044 (J)	
6/10/2018		<0.005							
10/16/2018	<0.005		0.0015 (J)	0.0013 (J)					
10/17/2018					<0.005	0.0012 (J)			0.0014 (J)
10/18/2018		0.0013 (J)							
11/13/2018							0.0024 (J)		
11/14/2018								0.005	
2/27/2019	<0.005	<0.005	<0.005	<0.005	<0.005	0.002 (J)			
2/28/2019							0.0025 (J)		<0.005
3/5/2019								0.0043 (J)	
5/31/2019	0.0021 (J)	0.0013 (J)	0.0017 (J)	0.0017 (J)	0.0015 (J)	0.0026 (J)			
6/4/2019							0.0012 (J)	0.0044 (J)	<0.005
11/6/2019	0.0011	0.001	0.0011	<0.005	0.00063 (J)	0.0012			
11/12/2019							<0.005	0.0026 (J)	<0.005

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/9/2020 11:08 AM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	<0.0002	<0.0002	9.1E-05 (J)	<0.0002					
3/1/2016					<0.0002	<0.0002			
3/2/2016							0.0027	0.0026	0.00024
5/2/2016	<0.0002		7.4E-05 (J)	<0.0002		<0.0002			
5/3/2016					<0.0002		0.003		0.00036
5/4/2016		<0.0002						0.0022	
7/5/2016	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	0.0023		0.0007
7/6/2016								0.0026	
7/8/2016		<0.0002 (*)							
9/6/2016	<0.0002 (*)	<0.0002	<0.0002 (*)	<0.0002	<0.0002 (*)	<0.0002 (*)			
9/8/2016							0.0034	0.0027	0.00081
11/7/2016	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002			
11/8/2016								0.0016	
11/9/2016							0.0012		0.00099
11/10/2016		<0.0002							
1/9/2017	<0.0002 (*)		<0.0002 (*)	<0.0002 (*)	<0.0002 (*)	<0.0002 (*)			
1/11/2017		<0.0002							
1/12/2017							0.0012		0.00064
1/13/2017								0.0026	
3/13/2017	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002			
3/14/2017		<0.0002 (*)							
3/16/2017								0.0015	
3/17/2017							0.0022		0.00033
5/15/2017	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002			
5/16/2017							0.0019		
5/17/2017								0.00016 (J)	0.00034
5/18/2017		<0.0002							
3/12/2018	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002			
3/13/2018							0.0014		
3/14/2018		9.3E-05 (J)						0.00051	0.0002
6/5/2018	<0.0002		<0.0002	<0.0002					
6/6/2018					<0.0002	<0.0002			
6/8/2018							0.0018		0.00016 (J)
6/9/2018								0.00032	
6/10/2018		<0.0002							
10/16/2018	<0.0002		<0.0002	<0.0002					
10/17/2018					<0.0002	<0.0002			0.00014 (J)
10/18/2018		<0.0002							
11/13/2018							0.0021		
11/14/2018								8.2E-05 (J)	
2/27/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			
2/28/2019							0.0016		0.00012 (J)
3/5/2019								0.0026	
5/31/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			
6/4/2019							0.00061	0.0012	<0.0002
11/6/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			
11/12/2019							0.00056	0.00048	<0.0002

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 3/9/2020 11:08 AM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	<0.003	<0.003	<0.003	<0.003					
3/1/2016					<0.003	<0.003			
3/2/2016							<0.003	<0.003	<0.003
5/2/2016	<0.003		<0.003	<0.003		<0.003			
5/3/2016					<0.003		<0.003		<0.003
5/4/2016		<0.003						<0.003	
7/5/2016	<0.003		<0.003	<0.003	<0.003	<0.003	<0.003		<0.003
7/6/2016								<0.003	
7/8/2016		<0.003							
9/6/2016	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003			
9/8/2016							<0.003	<0.003	<0.003
11/7/2016	<0.003		<0.003	<0.003	<0.003	<0.003			
11/8/2016								<0.003	
11/9/2016							<0.003		<0.003
11/10/2016		<0.003							
1/9/2017	<0.003		<0.003	<0.003	<0.003	<0.003			
1/11/2017		<0.003							
1/12/2017							<0.003		<0.003
1/13/2017								<0.003	
3/13/2017	0.0042 (J)		<0.003	0.0022 (J)	<0.003	<0.003			
3/14/2017		<0.003							
3/16/2017								0.0015 (J)	
3/17/2017							0.0078 (J)		<0.003
5/15/2017	<0.003		<0.003	<0.003	<0.003	<0.003			
5/16/2017							<0.003		
5/17/2017								<0.003	<0.003
5/18/2017		<0.003							
3/12/2018	<0.003		<0.003	<0.003	<0.003	<0.003			
3/13/2018							<0.003		
3/14/2018		<0.003						<0.003	0.00092 (J)
6/5/2018	<0.003		0.00088 (J)	<0.003					
6/6/2018					<0.003	<0.003			
6/8/2018							<0.003		<0.003
6/9/2018								<0.003	
6/10/2018		<0.003							
10/16/2018	<0.003		<0.003	<0.003					
10/17/2018					<0.003	<0.003			<0.003
10/18/2018		<0.003							
11/13/2018							<0.003		
11/14/2018								<0.003	
2/27/2019	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003			
2/28/2019							<0.003		<0.003
3/5/2019								<0.003	
5/31/2019	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003			
11/6/2019	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003			

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/9/2020 11:08 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	<0.00025	<0.00025	<0.00025	<0.00025					
3/1/2016					<0.00025	<0.00025			
3/2/2016							0.018	0.013	0.026
5/2/2016	<0.00025		<0.00025	0.00025 (J)		<0.00025			
5/3/2016					<0.00025		0.016		0.019
5/4/2016		<0.00025						0.014	
7/5/2016	<0.00025		<0.00025	<0.00025	<0.00025	<0.00025	0.018		0.018
7/6/2016								0.015	
7/8/2016		<0.00025							
9/6/2016	0.00049 (J)	<0.00025	<0.00025	0.00027 (J)	<0.00025	<0.00025			
9/8/2016							0.016	0.018	0.018
11/7/2016	<0.00025		<0.00025	<0.00025	<0.00025	<0.00025			
11/8/2016								0.015	
11/9/2016							0.013		0.02
11/10/2016		<0.00025							
1/9/2017	<0.00025		<0.00025	<0.00025	<0.00025	<0.00025			
1/11/2017		0.00049 (J)							
1/12/2017							0.004		0.017
1/13/2017								0.014	
3/13/2017	0.0023		<0.00025	0.0025	<0.00025	<0.00025			
3/14/2017		<0.00025							
3/16/2017								0.012	
3/17/2017							0.015		0.016
5/15/2017	<0.00025		<0.00025	<0.00025	<0.00025	<0.00025			
5/16/2017							0.01		
5/17/2017								0.0094	0.013
5/18/2017		<0.00025							
3/12/2018	0.00046 (J)		0.00064 (J)	0.00047 (J)	0.00026 (J)	<0.00025			
3/13/2018							0.0064		
3/14/2018		0.00067 (J)						0.0049	0.019
6/5/2018	0.00049 (J)		0.00098 (J)	0.00065 (J)					
6/6/2018					0.00025 (J)	0.00026 (J)			
6/8/2018							0.0076		0.018
6/9/2018								0.0047	
6/10/2018		0.00028 (J)							
10/16/2018	<0.00025		<0.00025	<0.00025					
10/17/2018					<0.00025	<0.00025			0.013
10/18/2018		<0.00025							
11/13/2018							0.0062		
11/14/2018								0.0031	
2/27/2019	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025			
2/28/2019							0.0044		0.011
3/5/2019								0.0012 (J)	
5/31/2019	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025			
6/4/2019							0.0044	0.002	0.015
11/6/2019	<0.00025	<0.00025	<0.00025	0.00034	<0.00025	<0.00025			
11/12/2019							0.0042	0.0026	0.012

Time Series

Constituent: Sulfate (mg/L) Analysis Run 3/9/2020 11:08 AM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	<5	<5	<5	1.6 (J)					
3/1/2016					<5	<5			
3/2/2016							400	450	460
5/2/2016	15 (o)		<5	2.1 (J)		<5			
5/3/2016					<5		2.2 (J)		740
5/4/2016		<5						500	
7/5/2016	<5		<5	2 (J)	<5	<5	450 (J)		750
7/6/2016								370	
7/8/2016		<5							
9/6/2016	<5	<5	<5	1.8 (J)	<5	3.7 (J)			
9/8/2016							450	450	710
11/7/2016	<5		<5	1.7 (J)	<5	<5			
11/8/2016								450	
11/9/2016							430		810
11/10/2016		<5							
1/9/2017	<5		2.6 (J)	1.5 (J)	<5	<5			
1/11/2017		<5							
1/12/2017							130		600
1/13/2017								390	
3/13/2017	2.5 (J)		<5	2.2 (J)	<5	<5			
3/14/2017		<5							
3/16/2017								290	
3/17/2017							290		640
5/15/2017	<5		<5	1.9 (J)	<5	<5			
5/16/2017							280		
5/17/2017								270	590
5/18/2017		<5 (X)							
10/2/2017	<5		<5	3.4 (J)	1.5 (J)	1.7 (J)			
10/3/2017									480
10/4/2017							250	240	
10/5/2017		<5							
12/20/2017							230 (R)	210 (R)	470
3/12/2018	<5		<5	2.6 (J)	<5	<5			
3/13/2018							160		
3/14/2018		<5						190	470
6/5/2018	<5		<5	2.6 (J)					
6/6/2018					<5	<5			
6/8/2018							160		440
6/9/2018								170	
6/10/2018		1.5 (J)							
10/16/2018	<5		<5	2.8 (J)					
10/17/2018					<5	<5			270
10/18/2018		<5							
11/13/2018							130		
11/14/2018								110	
2/27/2019	<5	1.9 (J)	<5	2.4 (J)	<5	<5			
2/28/2019							130		240
3/5/2019								86	
5/31/2019	<5	<5	<5	3.3 (J)	<5	<5			
6/4/2019							100	100	280
11/6/2019	<5	<5	<5	3.7 (J)	<5	<5			
11/12/2019							100	93	260

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/9/2020 11:08 AM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	<0.0001	<0.0001	<0.0001	<0.0001					
3/1/2016					<0.0001	<0.0001			
3/2/2016							0.00058 (J)	0.0003 (J)	0.00095 (J)
5/2/2016	<0.0001		<0.0001	<0.0001		<0.0001			
5/3/2016					<0.0001		0.00041 (J)		0.00089
5/4/2016		<0.0001						0.0005	
7/5/2016	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001	0.0004 (J)		0.001
7/6/2016								0.00047 (J)	
7/8/2016		<0.0001							
9/6/2016	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001			
9/8/2016							0.00045 (J)	0.00053 (J)	0.00088 (J)
11/7/2016	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001			
11/8/2016								0.00055 (J)	
11/9/2016							<0.0001		0.00083 (J)
11/10/2016		<0.0001							
1/9/2017	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001			
1/11/2017		<0.0001							
1/12/2017							0.00012 (J)		0.00076
1/13/2017								0.00057	
3/13/2017	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001			
3/14/2017		<0.0001							
3/16/2017								0.0004 (J)	
3/17/2017							0.00027 (J)		0.00088
5/15/2017	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001			
5/16/2017							0.00025 (J)		
5/17/2017								0.00029 (J)	0.00071
5/18/2017		<0.0001							
3/12/2018	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001			
3/13/2018							0.00018 (J)		
3/14/2018		<0.0001						0.00027 (J)	0.00055
6/5/2018	<0.0001		<0.0001	<0.0001					
6/6/2018					<0.0001	<0.0001			
6/8/2018							0.00018 (J)		0.00048 (J)
6/9/2018								0.00023 (J)	
6/10/2018		<0.0001							
10/16/2018	<0.0001		<0.0001	<0.0001					
10/17/2018					<0.0001	<0.0001			0.0003 (J)
10/18/2018		<0.0001							
11/13/2018							<0.0001		
11/14/2018								0.00015 (J)	
2/27/2019	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001			
2/28/2019							0.0001 (J)		0.00024 (J)
3/5/2019								0.00016 (J)	
5/31/2019	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001			
6/4/2019							<0.0001	0.00011 (J)	0.00017 (J)
11/6/2019	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001			
11/12/2019							<0.0001	0.00012 (J)	0.00019 (J)

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 3/9/2020 11:08 AM View: Descriptive - 200 Series

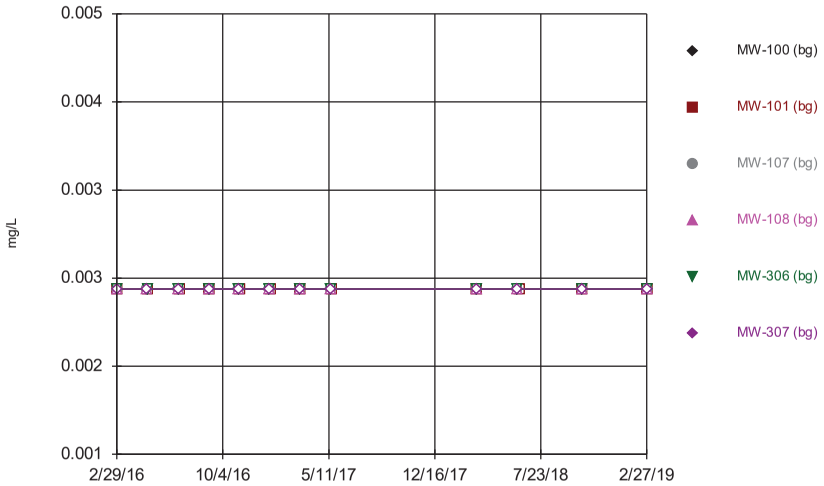
Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	20	20	<5	12					
3/1/2016					10	<5			
3/2/2016							7200	7200	32000 (o)
5/2/2016	<5		<5	6		36			
5/3/2016					<5		6400		13000
5/4/2016		6						4500	
7/5/2016	12		14	<5	<5	<5	7000		8700
7/6/2016								4900	
7/8/2016		6							
9/6/2016	36	36	30	38	36	44			
9/8/2016							6000	4400	11000 (Q)
11/7/2016	18		8	<5	<5	30			
11/8/2016								6200	
11/9/2016							3500		13000
11/10/2016		16							
1/9/2017	4 (J)		<5	14	<5	12			
1/11/2017		38							
1/12/2017							1500		12000
1/13/2017								4400	
3/13/2017	6		<5	8	22	20			
3/14/2017		<5							
3/16/2017								2800	
3/17/2017							2900		10000
5/15/2017	<5		<5	<5	6	4 (J)			
5/16/2017							3100		
5/17/2017								1100	8300
5/18/2017		10							
10/2/2017	<5		<5	6	16	24			
10/3/2017									7100
10/4/2017							3400	700	
10/5/2017		<5							
12/20/2017							1900 (R)	590 (R)	7000
3/12/2018	18		14	<5	<5	<5			
3/13/2018							1600		
3/14/2018		8						490	6300
6/5/2018	10		<5	14					
6/6/2018					20	16			
6/8/2018							2000		5200
6/9/2018								430	
6/10/2018		8							
10/16/2018	32		12	6					
10/17/2018					44	44			3800
10/18/2018		28							
11/13/2018							1400		
11/14/2018								230	
2/27/2019	110	68	54	110	20	28			
2/28/2019							1400		1700
3/5/2019								300	
5/31/2019	46	<5	8	26	32	18			
6/4/2019							1200	400	2300
11/6/2019	<5	10	4 (J)	<5	24	20			
11/12/2019							1000	670	1900

300 Series

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

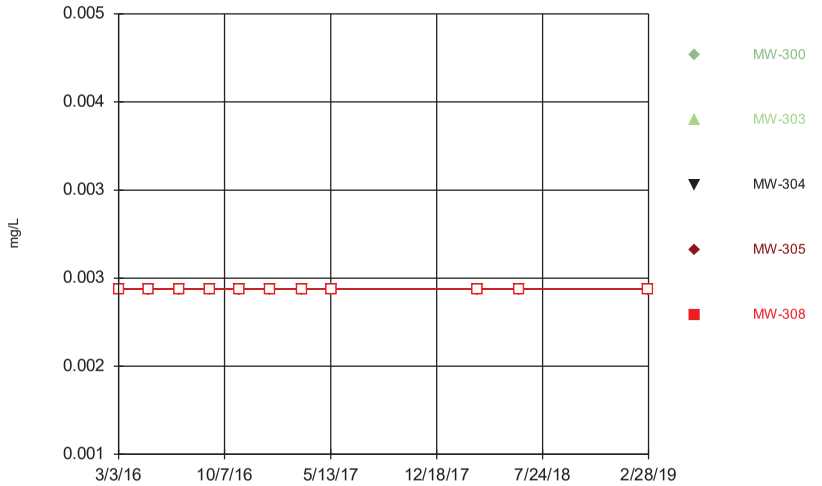
Time Series



Constituent: Antimony Analysis Run 3/9/2020 11:18 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

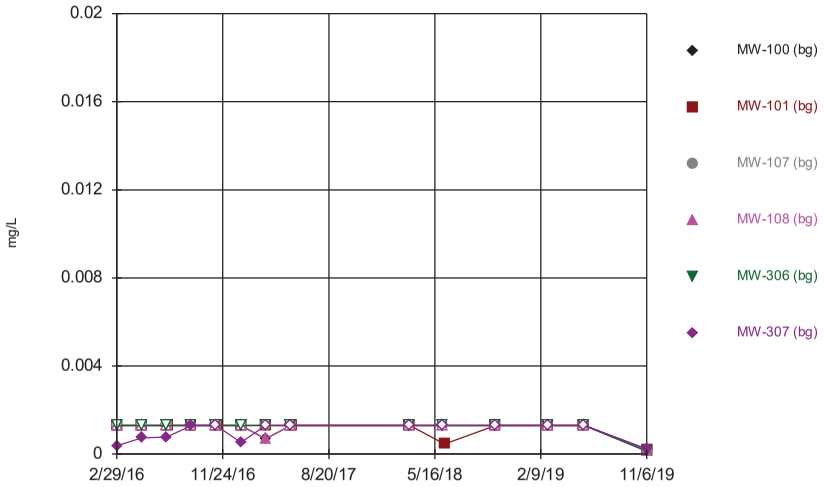
Time Series



Constituent: Antimony Analysis Run 3/9/2020 11:18 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

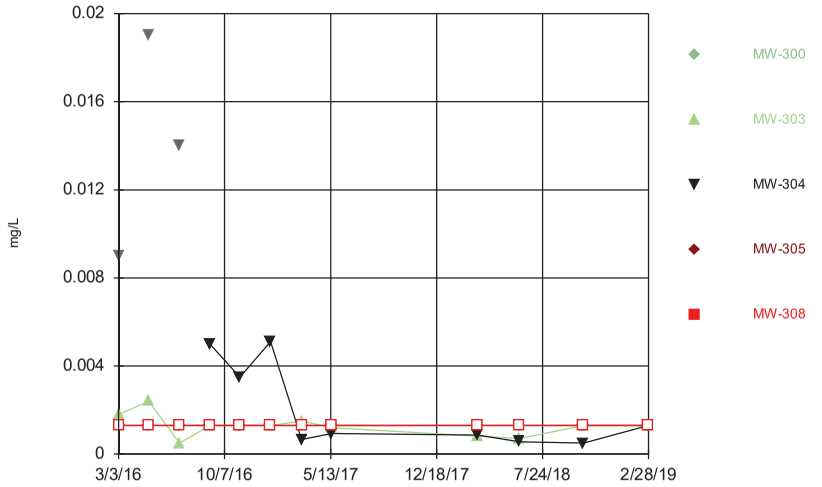
Time Series



Constituent: Arsenic Analysis Run 3/9/2020 11:18 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

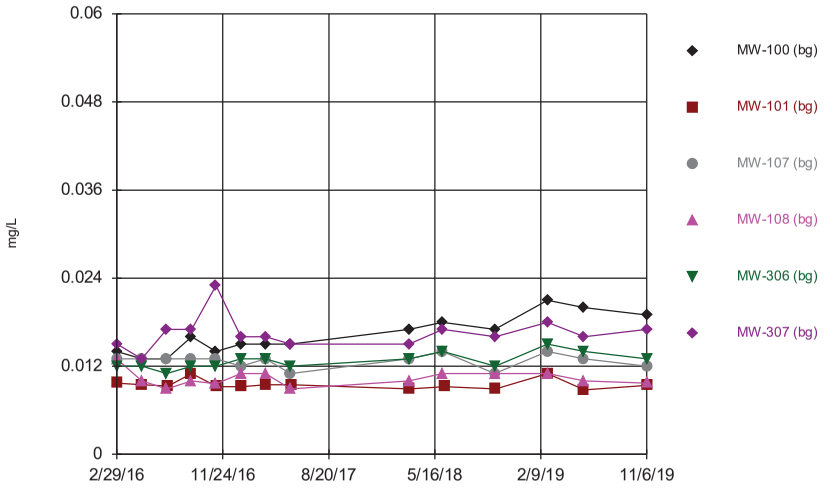
Time Series



Constituent: Arsenic Analysis Run 3/9/2020 11:18 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

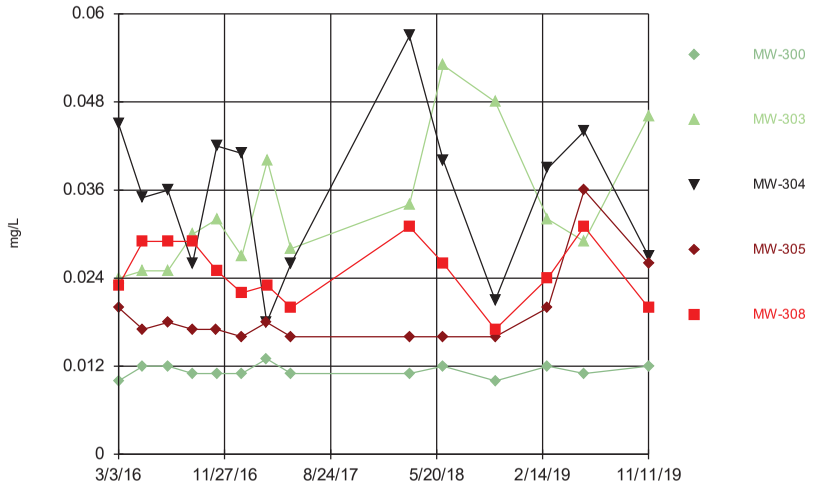
Time Series



Constituent: Barium Analysis Run 3/9/2020 11:18 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

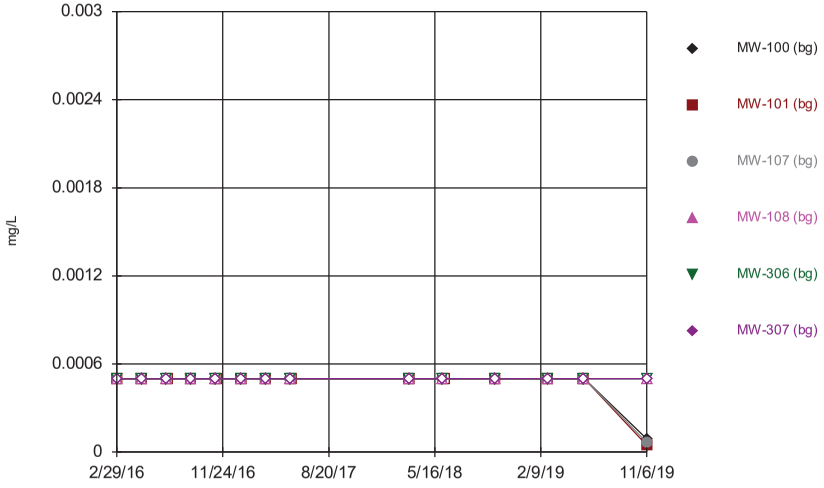
Time Series



Constituent: Barium Analysis Run 3/9/2020 11:18 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

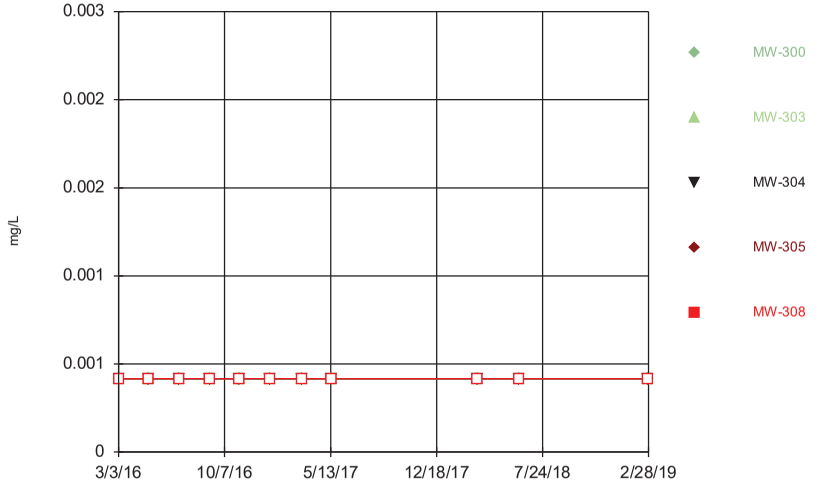
Time Series



Constituent: Beryllium Analysis Run 3/9/2020 11:18 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

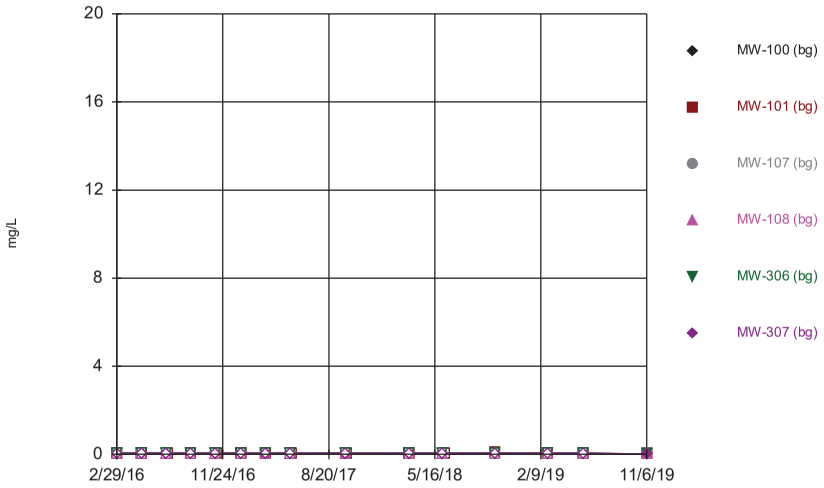
Time Series



Constituent: Beryllium Analysis Run 3/9/2020 11:18 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

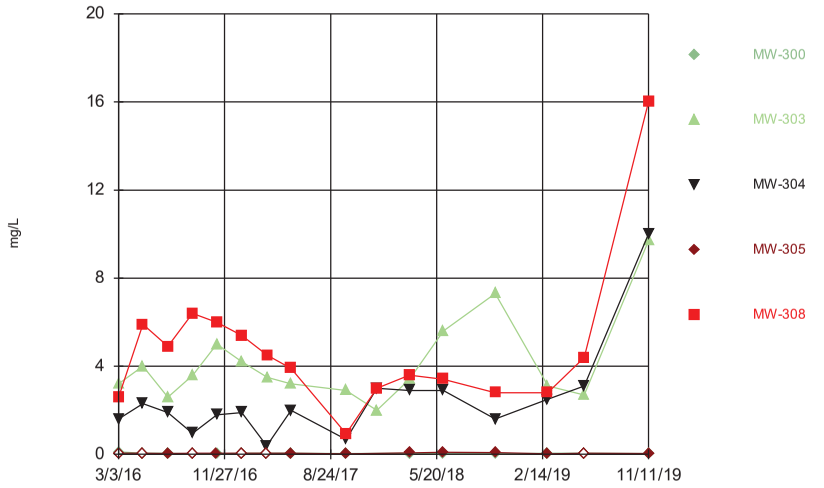
Time Series



Constituent: Boron Analysis Run 3/9/2020 11:18 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

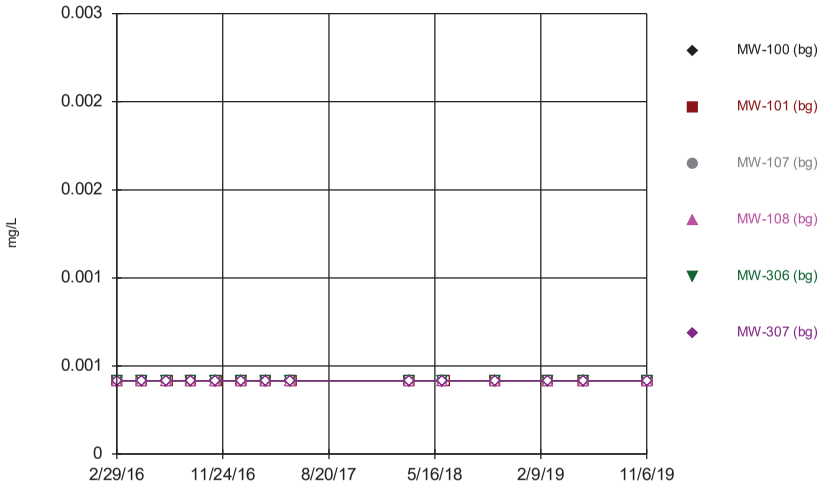
Time Series



Constituent: Boron Analysis Run 3/9/2020 11:18 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

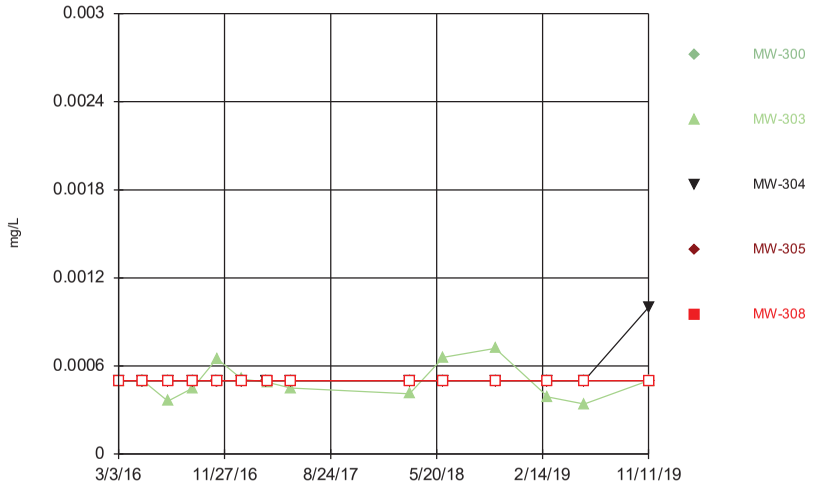
Time Series



Constituent: Cadmium Analysis Run 3/9/2020 11:18 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

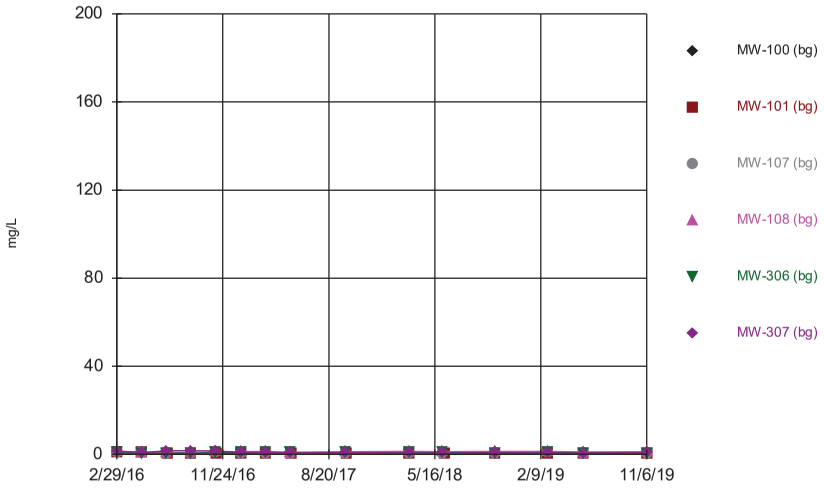
Time Series



Constituent: Cadmium Analysis Run 3/9/2020 11:18 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

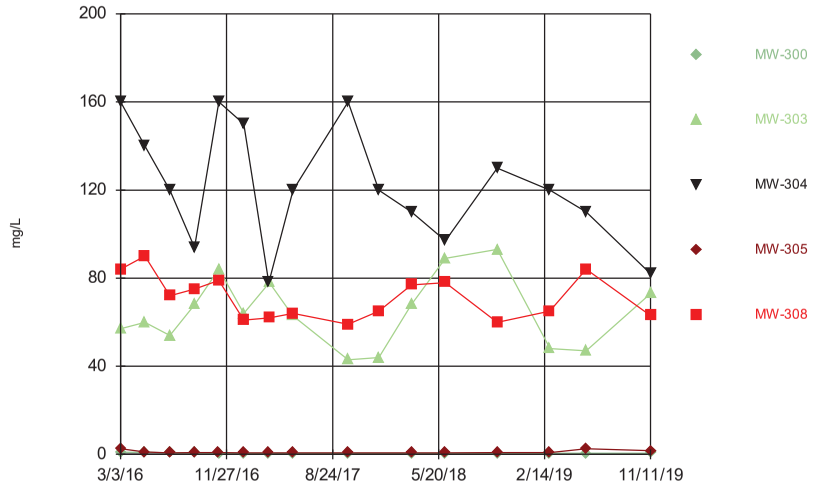
Time Series



Constituent: Calcium Analysis Run 3/9/2020 11:18 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

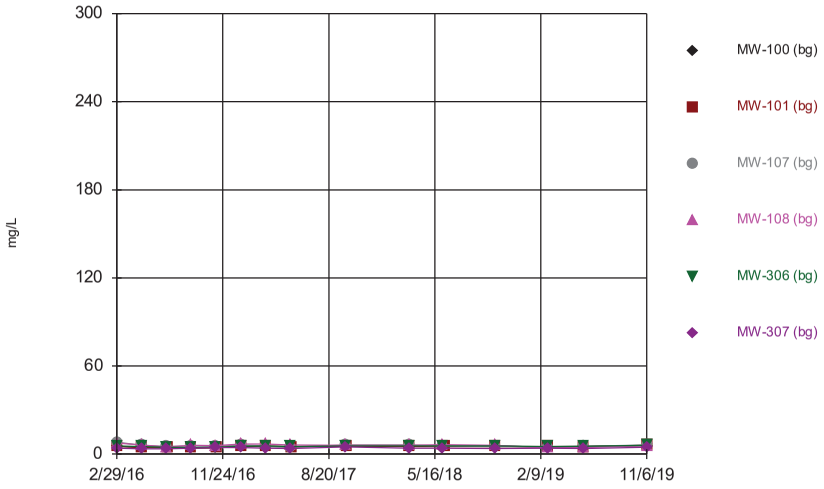
Time Series



Constituent: Calcium Analysis Run 3/9/2020 11:18 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

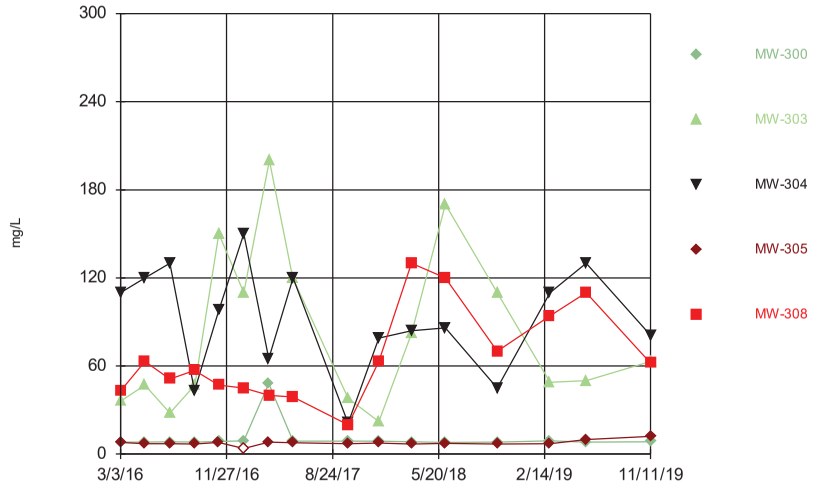
Time Series



Constituent: Chloride Analysis Run 3/9/2020 11:18 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

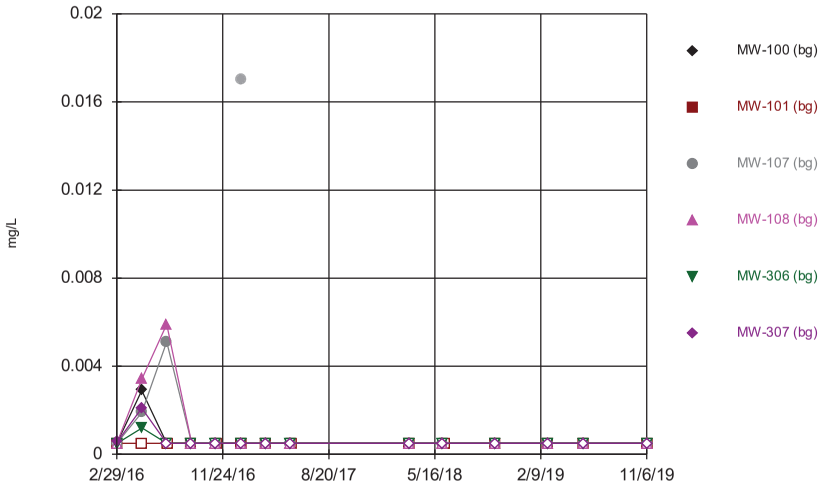
Time Series



Constituent: Chloride Analysis Run 3/9/2020 11:18 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

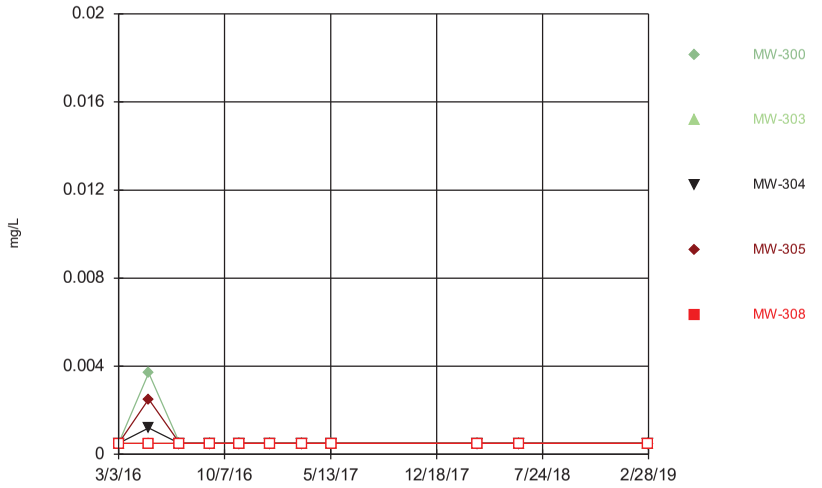
Time Series



Constituent: Chromium Analysis Run 6/2/2020 2:31 PM
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

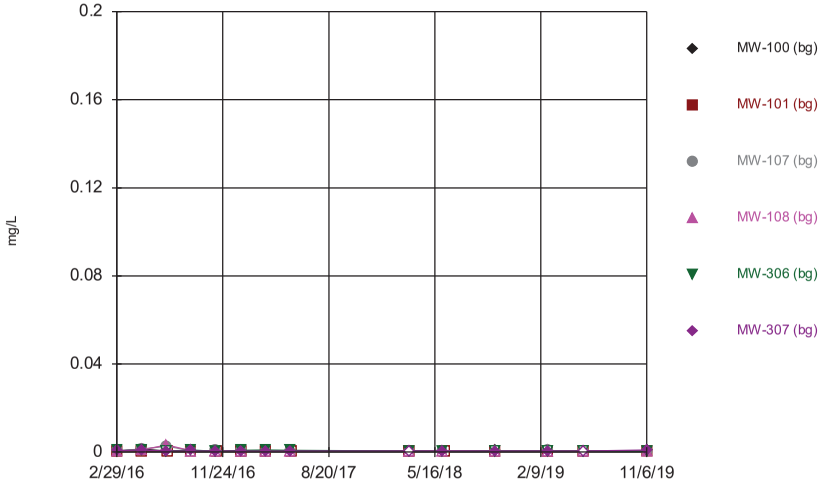
Time Series



Constituent: Chromium Analysis Run 6/2/2020 2:31 PM
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

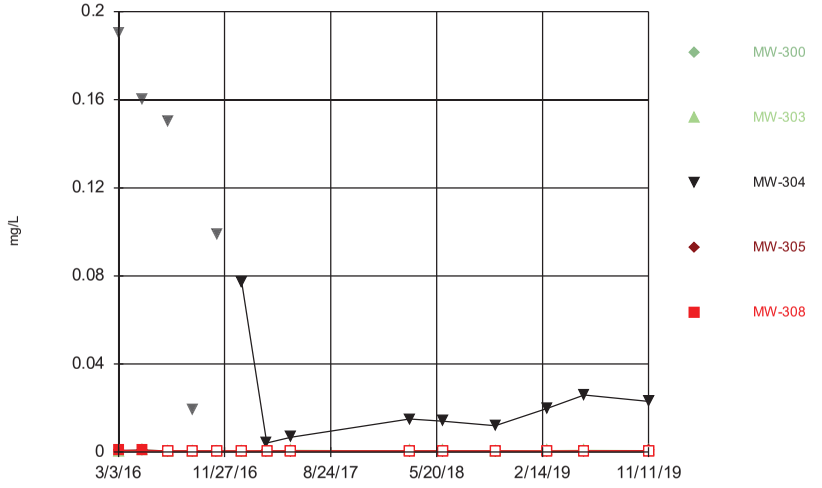
Time Series



Constituent: Cobalt Analysis Run 6/2/2020 2:31 PM
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

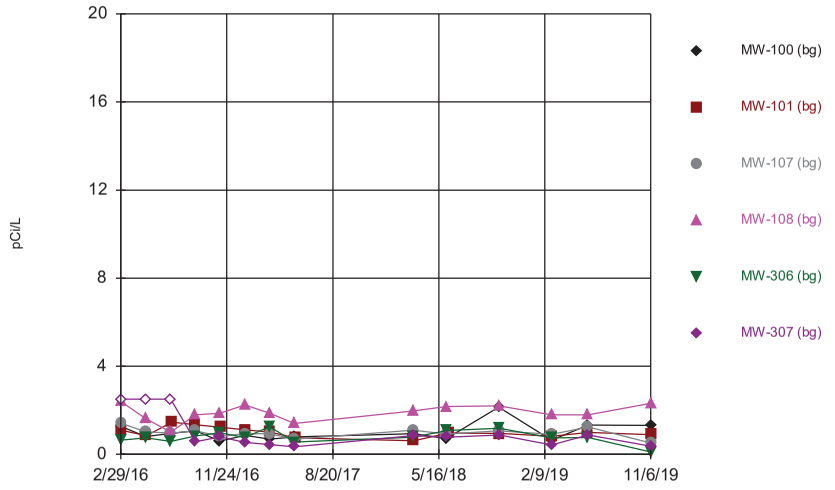
Time Series



Constituent: Cobalt Analysis Run 6/2/2020 2:31 PM
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

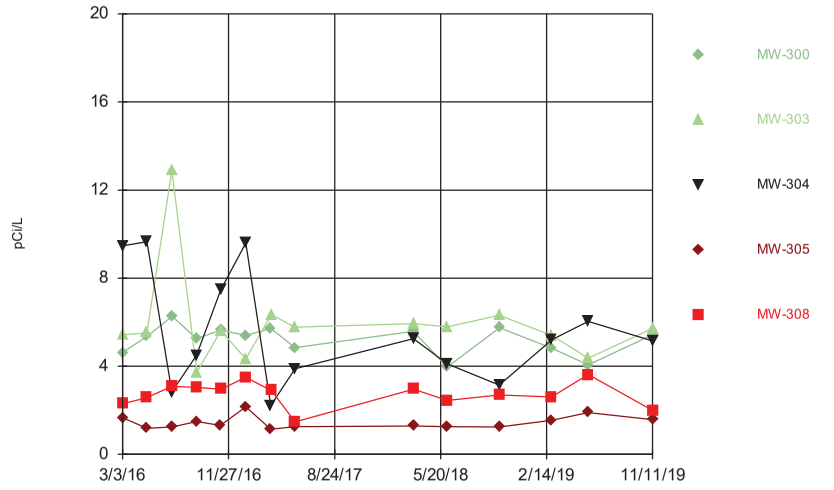
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 3/9/2020 11:18 AM View: Descriptive - 300 Serie
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

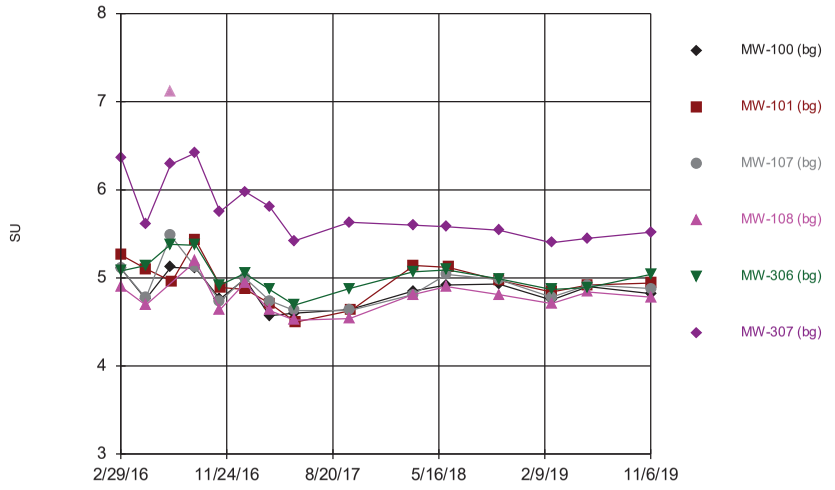
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 3/9/2020 11:18 AM View: Descriptive - 300 Serie
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

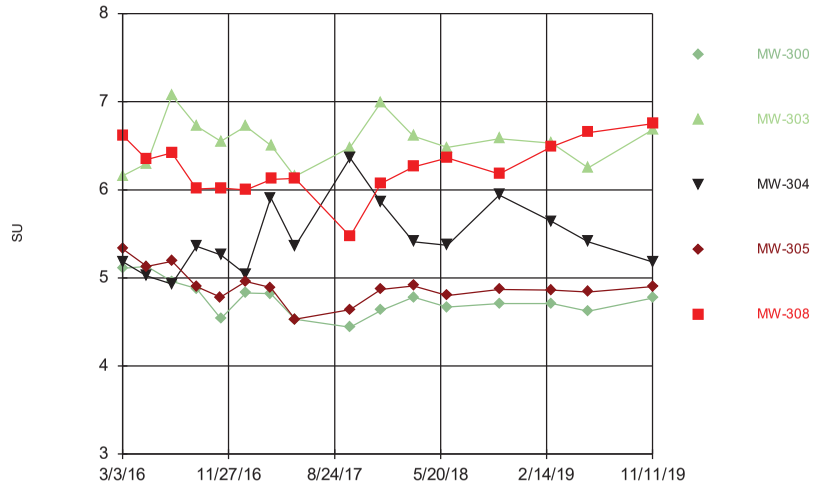
Time Series



Constituent: Field pH Analysis Run 3/9/2020 11:18 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

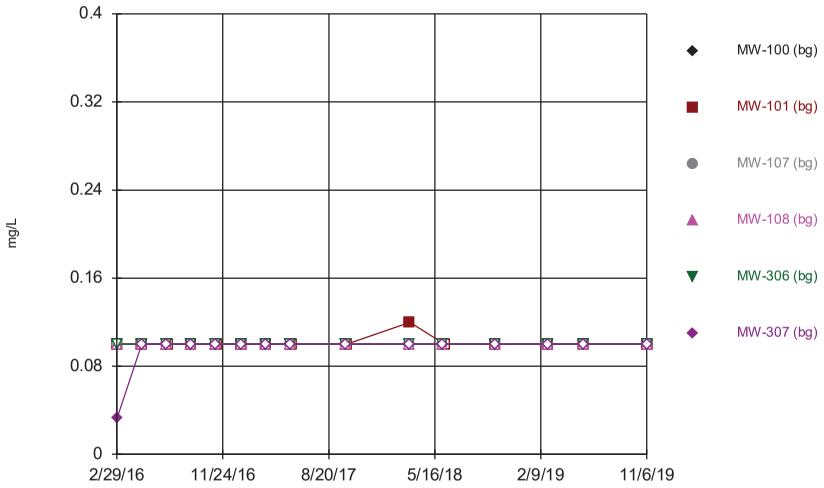
Time Series



Constituent: Field pH Analysis Run 3/9/2020 11:18 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

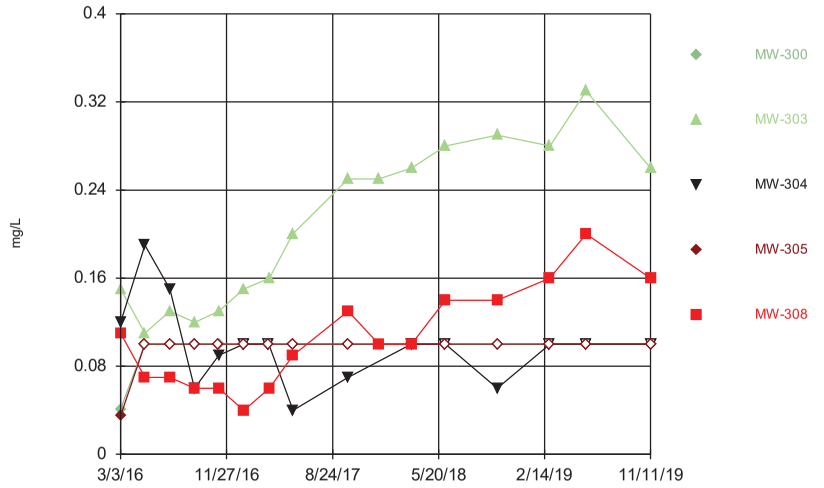
Time Series



Constituent: Fluoride Analysis Run 3/9/2020 11:18 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

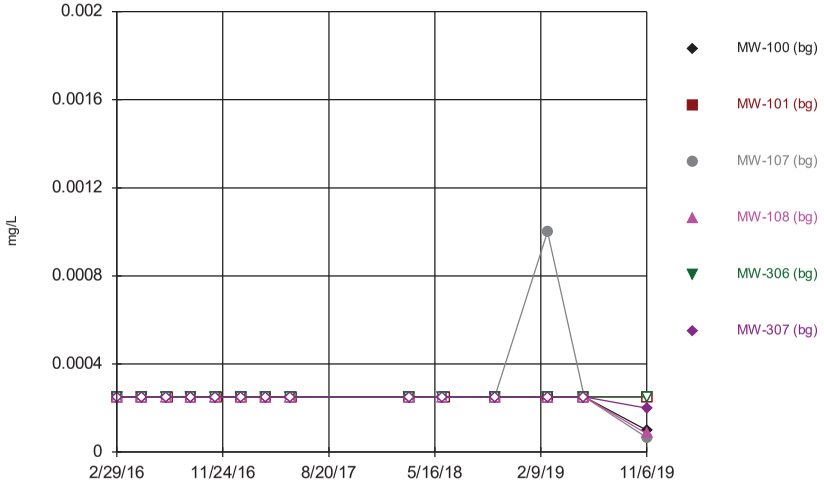
Time Series



Constituent: Fluoride Analysis Run 3/9/2020 11:18 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

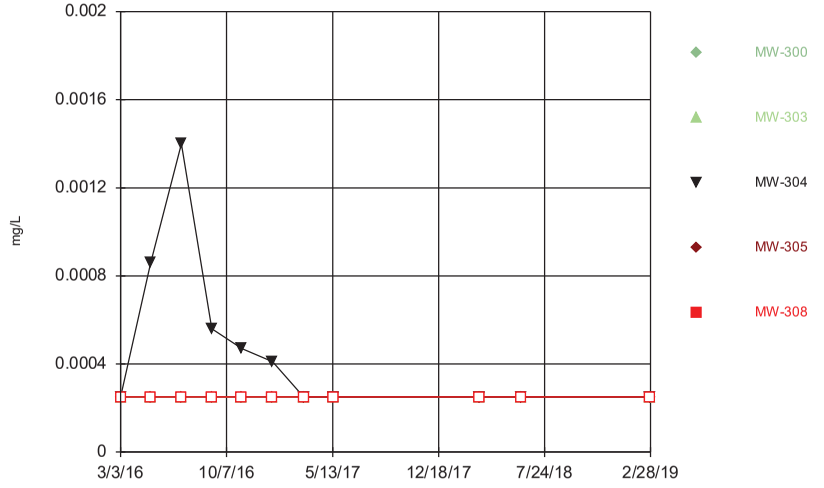
Time Series



Constituent: Lead Analysis Run 3/9/2020 11:18 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

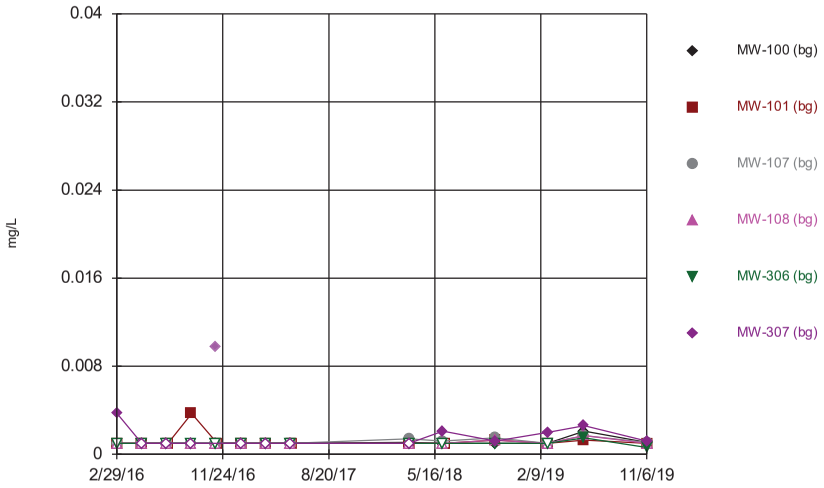
Time Series



Constituent: Lead Analysis Run 3/9/2020 11:18 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

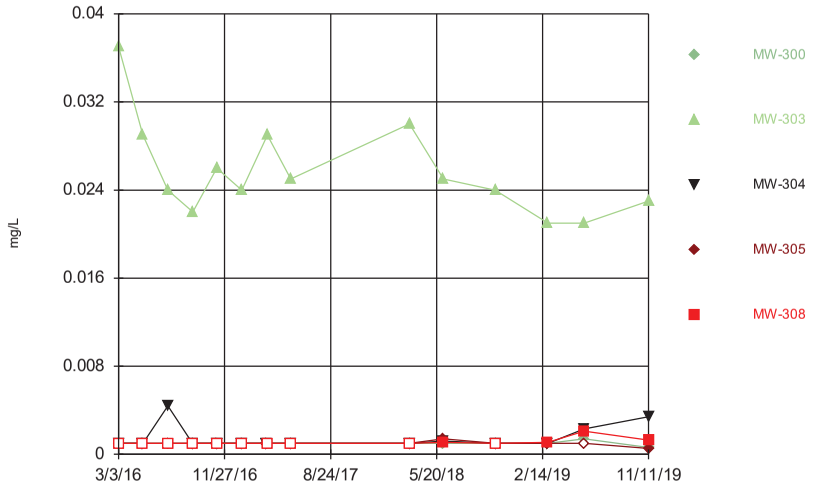
Time Series



Constituent: Lithium Analysis Run 3/9/2020 11:18 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

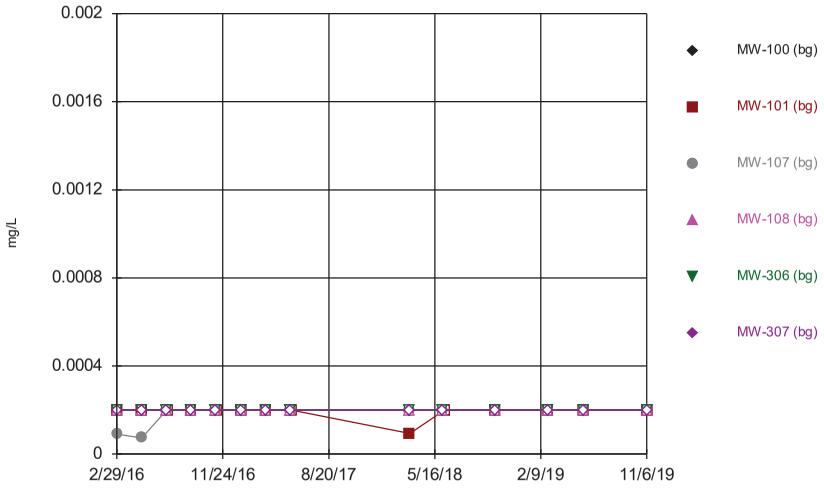
Time Series



Constituent: Lithium Analysis Run 3/9/2020 11:19 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

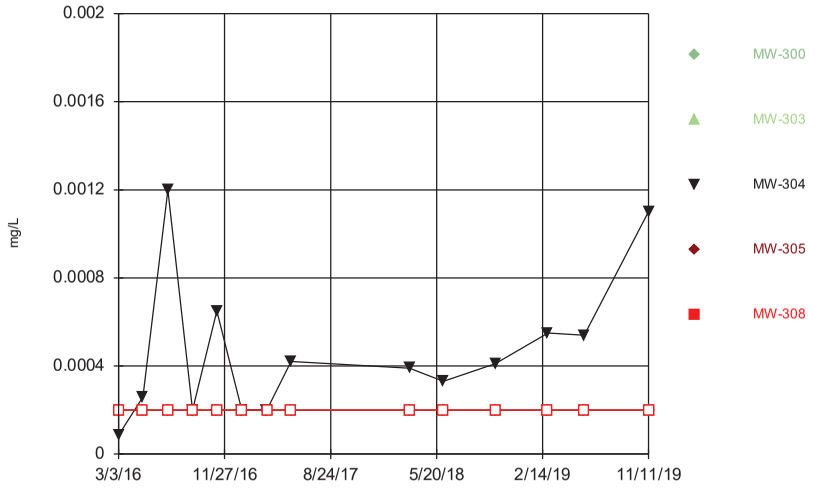
Time Series



Constituent: Mercury Analysis Run 3/9/2020 11:19 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

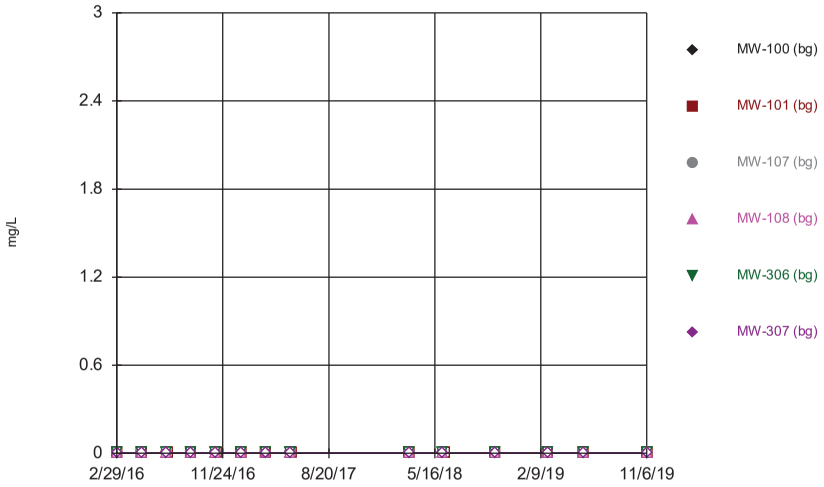
Time Series



Constituent: Mercury Analysis Run 3/9/2020 11:19 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

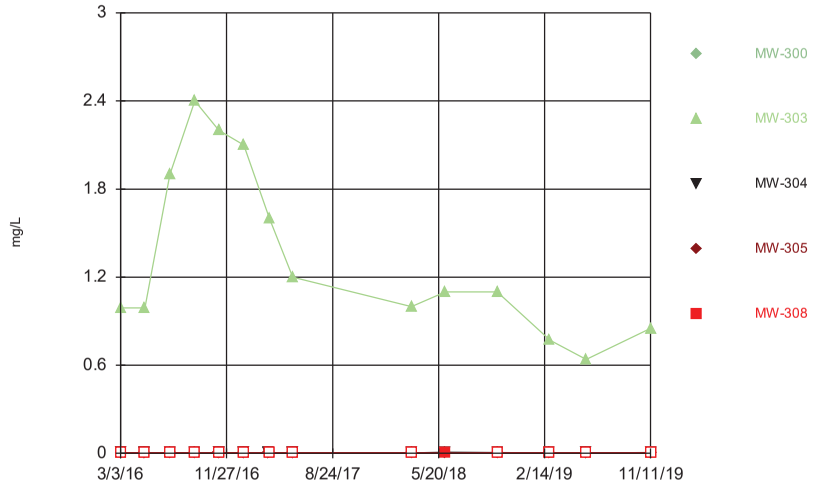
Time Series



Constituent: Molybdenum Analysis Run 3/9/2020 11:19 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

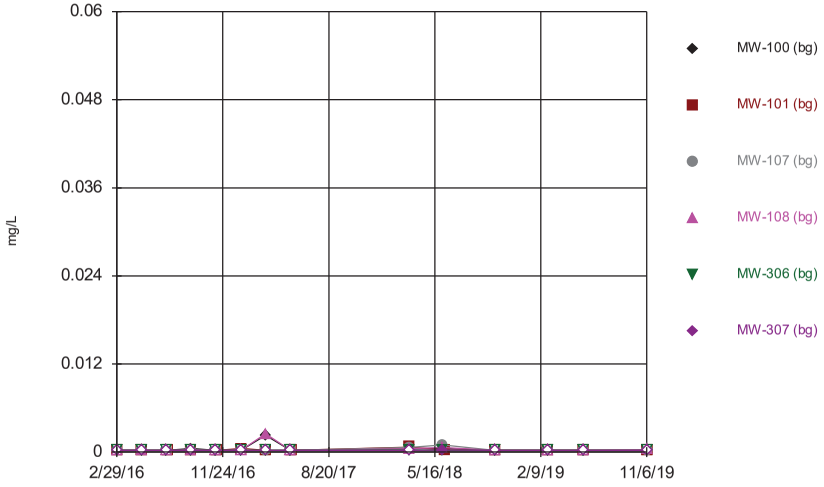
Time Series



Constituent: Molybdenum Analysis Run 3/9/2020 11:19 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

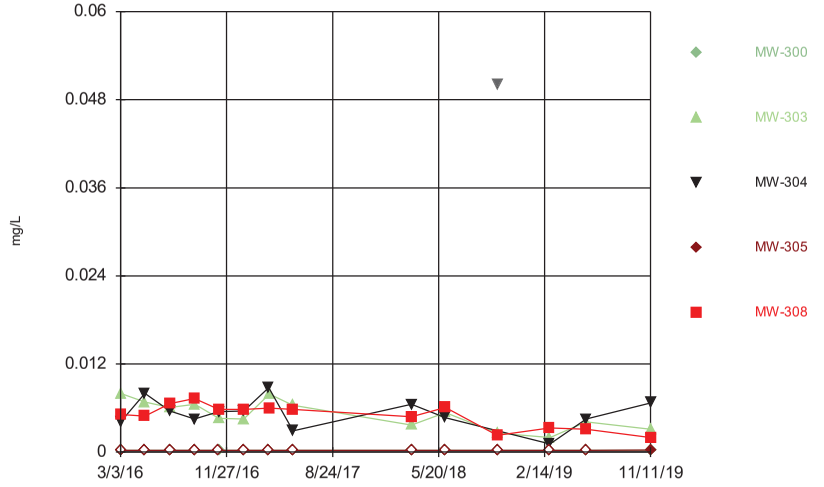
Time Series



Constituent: Selenium Analysis Run 3/9/2020 11:19 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

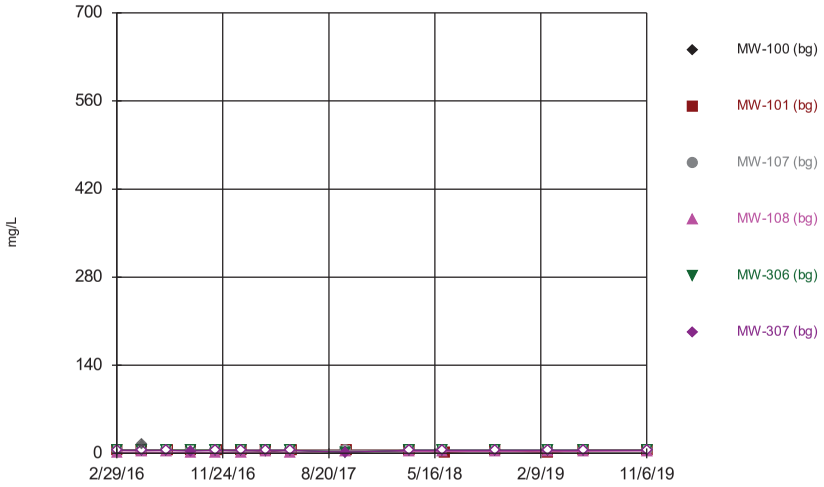
Time Series



Constituent: Selenium Analysis Run 3/9/2020 11:19 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

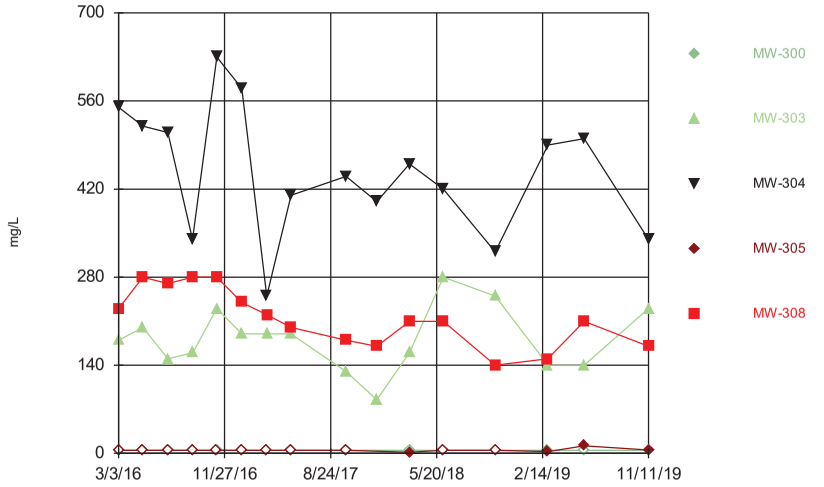
Time Series



Constituent: Sulfate Analysis Run 3/9/2020 11:19 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

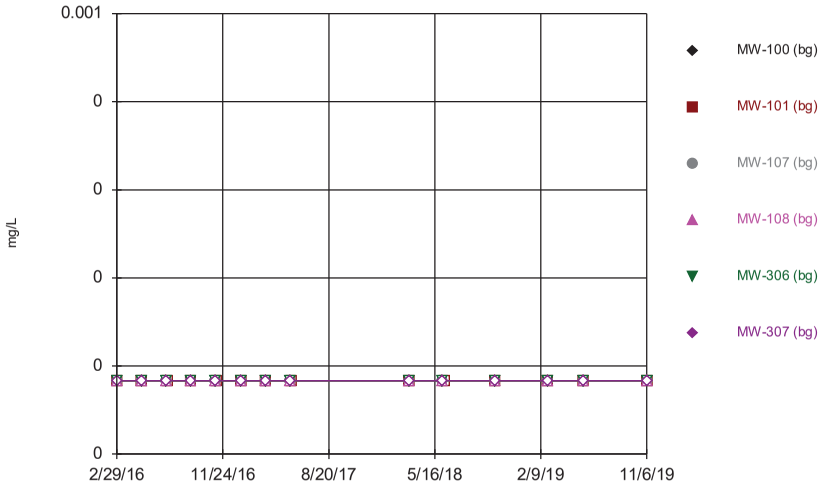
Time Series



Constituent: Sulfate Analysis Run 3/9/2020 11:19 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

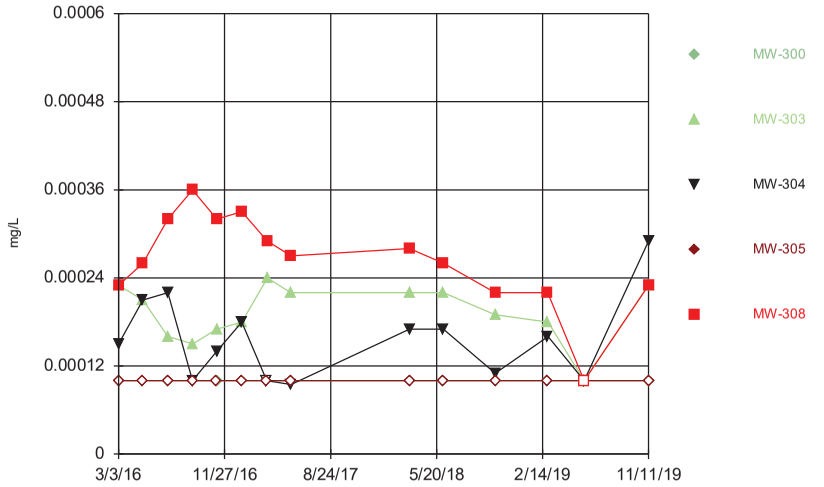
Time Series



Constituent: Thallium Analysis Run 3/9/2020 11:19 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

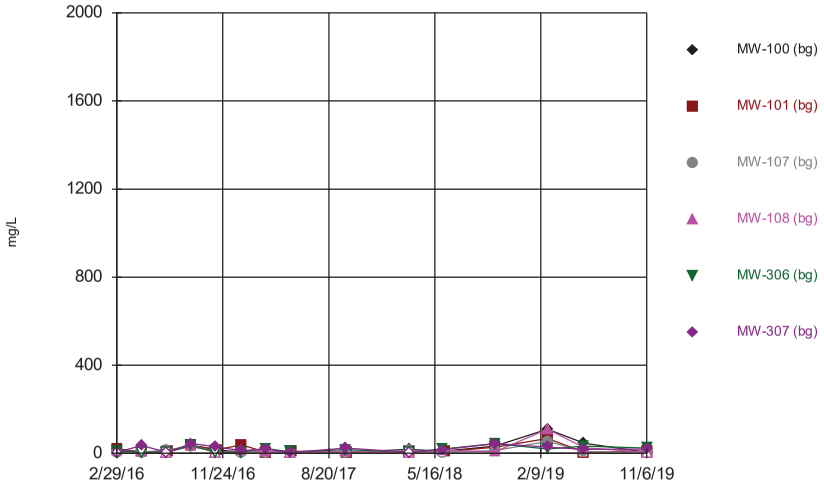
Time Series



Constituent: Thallium Analysis Run 3/9/2020 11:19 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

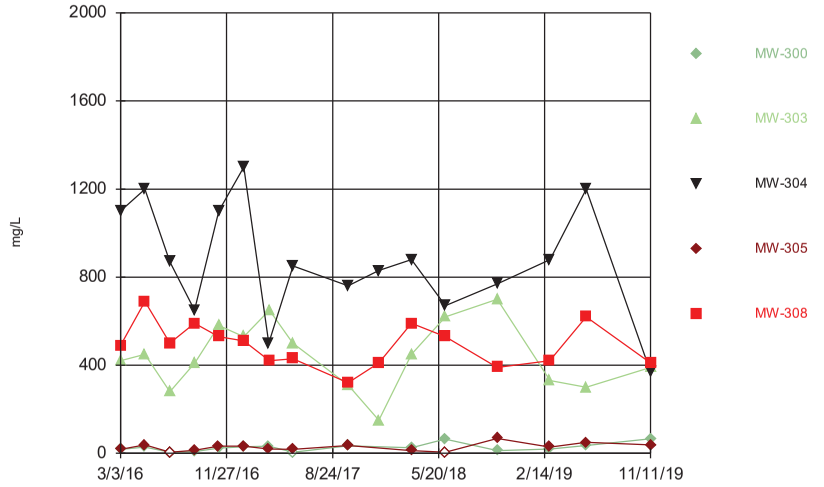
Time Series



Constituent: Total Dissolved Solids Analysis Run 3/9/2020 11:19 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Total Dissolved Solids Analysis Run 3/9/2020 11:19 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	<0.0025	<0.0025	<0.0025	<0.0025					
3/1/2016					<0.0025	<0.0025			
3/3/2016							<0.0025	<0.0025	<0.0025
5/2/2016	<0.0025		<0.0025	<0.0025		<0.0025			
5/3/2016					<0.0025				
5/4/2016		<0.0025					<0.0025	<0.0025	<0.0025
7/5/2016	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
7/6/2016								<0.0025	<0.0025
7/7/2016							<0.0025		
7/8/2016		<0.0025							
9/6/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
9/7/2016							<0.0025		<0.0025
9/8/2016								<0.0025	
11/7/2016	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
11/8/2016							<0.0025	<0.0025	<0.0025
11/10/2016		<0.0025							
1/9/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
1/10/2017							<0.0025	<0.0025	<0.0025
1/11/2017		<0.0025							
3/13/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
3/14/2017		<0.0025							
3/15/2017							<0.0025		<0.0025
3/16/2017								<0.0025	
5/15/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	
5/16/2017							<0.0025		<0.0025
5/18/2017		<0.0025							
3/12/2018	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
3/13/2018							<0.0025	<0.0025	<0.0025
3/14/2018		<0.0025							
6/5/2018	<0.0025		<0.0025	<0.0025					
6/6/2018					<0.0025	<0.0025	<0.0025		
6/7/2018								<0.0025	<0.0025
6/10/2018		<0.0025							
10/16/2018	<0.0025		<0.0025	<0.0025					
10/17/2018					<0.0025	<0.0025			
10/18/2018		<0.0025							
2/27/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
2/28/2019							<0.0025	<0.0025	<0.0025

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	<0.0025	<0.0025
5/4/2016	<0.0025	<0.0025
7/6/2016		<0.0025
7/7/2016	<0.0025	
9/7/2016	<0.0025	<0.0025
11/7/2016	<0.0025	
11/8/2016		<0.0025
1/10/2017	<0.0025	<0.0025
3/15/2017	<0.0025	
3/16/2017		<0.0025
5/16/2017	<0.0025	<0.0025
3/13/2018	<0.0025	<0.0025
6/7/2018	<0.0025	<0.0025
2/27/2019		<0.0025
2/28/2019	<0.0025	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	<0.0013	<0.0013	<0.0013	<0.0013					
3/1/2016					<0.0013	0.00038 (J)			
3/3/2016							<0.0013	0.0018 (J)	0.009 (o)
5/2/2016	<0.0013		<0.0013	<0.0013		0.00073 (J)			
5/3/2016					<0.0013				
5/4/2016		<0.0013					<0.0013	0.0024	0.019 (o)
7/5/2016	<0.0013		<0.0013	<0.0013	<0.0013	0.00077 (J)			
7/6/2016								0.0005 (J)	0.014 (o)
7/7/2016							<0.0013		
7/8/2016		<0.0013							
9/6/2016	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0013			
9/7/2016							<0.0013		0.005
9/8/2016								<0.0013	
11/7/2016	<0.0013		<0.0013	<0.0013	<0.0013	<0.0013			
11/8/2016							<0.0013	<0.0013	0.0035
11/10/2016		<0.0013							
1/9/2017	<0.0013		<0.0013	<0.0013	<0.0013	0.00053 (J)			
1/10/2017							<0.0013	<0.0013	0.0051
1/11/2017		<0.0013							
3/13/2017	0.00069 (J)		<0.0013	0.00069 (J)	<0.0013	<0.0013			
3/14/2017		<0.0013							
3/15/2017							<0.0013		0.00066 (J)
3/16/2017								0.0015	
5/15/2017	<0.0013		<0.0013	<0.0013	<0.0013	<0.0013		0.0012 (J)	
5/16/2017							<0.0013		0.00094 (J)
5/18/2017		<0.0013							
3/12/2018	<0.0013		<0.0013	<0.0013	<0.0013	<0.0013			
3/13/2018							<0.0013	0.00082 (J)	0.00086 (J)
3/14/2018		<0.0013							
6/5/2018	<0.0013		<0.0013	<0.0013					
6/6/2018					<0.0013	<0.0013	<0.0013		
6/7/2018								0.0007 (J)	0.00056 (J)
6/10/2018		0.00046 (J)							
10/16/2018	<0.0013		<0.0013	<0.0013					
10/17/2018					<0.0013	<0.0013		<0.0013	0.0005 (J)
10/18/2018		<0.0013					<0.0013		
2/27/2019	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013			
2/28/2019							<0.0013	<0.0013	<0.0013
5/31/2019	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013			
11/6/2019	0.0002 (J)	0.00019 (J)	0.0002 (J)	0.00012 (J)	0.00014 (J)	0.00024 (J)			

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	<0.0013	<0.0013
5/4/2016	<0.0013	<0.0013
7/6/2016		<0.0013
7/7/2016	<0.0013	
9/7/2016	<0.0013	<0.0013
11/7/2016	<0.0013	
11/8/2016		<0.0013
1/10/2017	<0.0013	<0.0013
3/15/2017	<0.0013	
3/16/2017		<0.0013
5/16/2017	<0.0013	<0.0013
3/13/2018	<0.0013	<0.0013
6/7/2018	<0.0013	<0.0013
10/17/2018	<0.0013	<0.0013
2/27/2019		<0.0013
2/28/2019	<0.0013	

Time Series

Constituent: Barium (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	0.014	0.0097 (J)	0.013	0.013					
3/1/2016					0.012	0.015			
3/3/2016							0.01 (J)	0.024	0.045
5/2/2016	0.013		0.013	0.01		0.013			
5/3/2016					0.012				
5/4/2016		0.0095					0.012	0.025	0.035
7/5/2016	0.013		0.013	0.0089	0.011	0.017			
7/6/2016								0.025	0.036
7/7/2016							0.012		
7/8/2016		0.0093							
9/6/2016	0.016	0.011	0.013	0.01	0.012	0.017			
9/7/2016							0.011		0.026
9/8/2016								0.03	
11/7/2016	0.014		0.013	0.0096	0.012	0.023			
11/8/2016							0.011	0.032	0.042
11/10/2016		0.0092							
1/9/2017	0.015		0.012	0.011	0.013	0.016			
1/10/2017							0.011	0.027	0.041
1/11/2017		0.0092							
3/13/2017	0.015		0.013	0.011	0.013	0.016			
3/14/2017		0.0095							
3/15/2017							0.013		0.018
3/16/2017								0.04	
5/15/2017	0.015		0.011	0.0089	0.012	0.015		0.028	
5/16/2017							0.011		0.026
5/18/2017		0.0095							
3/12/2018	0.017		0.013	0.01	0.013	0.015			
3/13/2018							0.011	0.034	0.057
3/14/2018		0.0089							
6/5/2018	0.018		0.014	0.011					
6/6/2018					0.014	0.017	0.012		
6/7/2018								0.053	0.04
6/10/2018		0.0092							
10/16/2018	0.017		0.011	0.011					
10/17/2018					0.012	0.016		0.048	0.021
10/18/2018		0.0089					0.01		
2/27/2019	0.021	0.011	0.014	0.011	0.015	0.018			
2/28/2019							0.012	0.032	0.039
5/31/2019	0.02	0.0088	0.013	0.01	0.014	0.016	0.011	0.029	0.044
11/6/2019	0.019	0.0094	0.012	0.0097	0.013	0.017			
11/11/2019							0.012	0.046	0.027

Time Series

Constituent: Barium (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	0.02	0.023
5/4/2016	0.017	0.029
7/6/2016		0.029
7/7/2016	0.018	
9/7/2016	0.017	0.029
11/7/2016	0.017	
11/8/2016		0.025
1/10/2017	0.016	0.022
3/15/2017	0.018	
3/16/2017		0.023
5/16/2017	0.016	0.02
3/13/2018	0.016	0.031
6/7/2018	0.016	0.026
10/17/2018	0.016	0.017
2/27/2019		0.024
2/28/2019	0.02	
5/31/2019	0.036	0.031
11/11/2019	0.026	0.02

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	<0.0005	<0.0005	<0.0005	<0.0005					
3/1/2016					<0.0005	<0.0005			
3/3/2016							<0.0005	<0.0005	<0.0005
5/2/2016	<0.0005		<0.0005	<0.0005		<0.0005			
5/3/2016					<0.0005				
5/4/2016		<0.0005					<0.0005	<0.0005	<0.0005
7/5/2016	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
7/6/2016								<0.0005	<0.0005
7/7/2016							<0.0005		
7/8/2016		<0.0005							
9/6/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
9/7/2016							<0.0005		<0.0005
9/8/2016								<0.0005	
11/7/2016	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
11/8/2016							<0.0005	<0.0005	<0.0005
11/10/2016		<0.0005							
1/9/2017	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
1/10/2017							<0.0005	<0.0005	<0.0005
1/11/2017		<0.0005							
3/13/2017	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
3/14/2017		<0.0005							
3/15/2017							<0.0005		<0.0005
3/16/2017								<0.0005	
5/15/2017	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005		<0.0005	
5/16/2017							<0.0005		<0.0005
5/18/2017		<0.0005							
3/12/2018	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
3/13/2018							<0.0005	<0.0005	<0.0005
3/14/2018		<0.0005							
6/5/2018	<0.0005		<0.0005	<0.0005					
6/6/2018					<0.0005	<0.0005	<0.0005		
6/7/2018								<0.0005	<0.0005
6/10/2018		<0.0005							
10/16/2018	<0.0005		<0.0005	<0.0005					
10/17/2018					<0.0005	<0.0005			
10/18/2018		<0.0005							
2/27/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
2/28/2019							<0.0005	<0.0005	<0.0005
5/31/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
11/6/2019	9E-05 (J)	4.7E-05 (J)	6.6E-05 (J)	<0.0005	<0.0005	<0.0005			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	<0.0005	<0.0005
5/4/2016	<0.0005	<0.0005
7/6/2016		<0.0005
7/7/2016	<0.0005	
9/7/2016	<0.0005	<0.0005
11/7/2016	<0.0005	
11/8/2016		<0.0005
1/10/2017	<0.0005	<0.0005
3/15/2017	<0.0005	
3/16/2017		<0.0005
5/16/2017	<0.0005	<0.0005
3/13/2018	<0.0005	<0.0005
6/7/2018	<0.0005	<0.0005
2/27/2019		<0.0005
2/28/2019	<0.0005	

Time Series

Constituent: Boron (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	<0.05	<0.05	<0.05	<0.05					
3/1/2016					<0.05	<0.05			
3/3/2016							0.11 (J)	3.2	1.6
5/2/2016	<0.05		<0.05	<0.05		<0.05			
5/3/2016					<0.05				
5/4/2016		<0.05					<0.05	4	2.3
7/5/2016	<0.05		<0.05	<0.05	<0.05	<0.05			
7/6/2016								2.6	1.9
7/7/2016							<0.05		
7/8/2016		<0.05							
9/6/2016	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
9/7/2016							0.028 (J)		0.95
9/8/2016								3.6	
11/7/2016	<0.05		<0.05	<0.05	<0.05	<0.05			
11/8/2016							0.025 (J)	5	1.8
11/10/2016		<0.05							
1/9/2017	<0.05		<0.05	<0.05	<0.05	<0.05			
1/10/2017							<0.05 (*)	4.2	1.9
1/11/2017		<0.05							
3/13/2017	<0.05		<0.05	0.022 (J)	<0.05	<0.05			
3/14/2017		<0.05							
3/15/2017							<0.05		0.38
3/16/2017								3.5	
5/15/2017	<0.05		<0.05	<0.05	<0.05	<0.05		3.2	
5/16/2017							<0.05		2
5/18/2017		<0.05							
10/2/2017	<0.05		<0.05	0.023 (J)	<0.05	<0.05			
10/3/2017							0.03 (J)	2.9	0.67
10/5/2017		<0.05							
12/20/2017								2	3
3/12/2018	<0.05		<0.05	<0.05	<0.05	<0.05			
3/13/2018							<0.05	3.4	2.9
3/14/2018		<0.05							
6/5/2018	<0.05		<0.05	<0.05					
6/6/2018					<0.05	<0.05	0.024 (J)		
6/7/2018								5.6	2.9
6/10/2018		<0.05							
10/16/2018	<0.05		<0.05	<0.05					
10/17/2018					<0.05	<0.05		7.3	1.6
10/18/2018		0.081					0.022 (J)		
2/27/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
2/28/2019							<0.05	3.1	2.5
5/31/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	2.7	3.1
11/6/2019	0.017 (V)	0.016 (V)	0.016 (V)	0.022 (V)	0.011 (V)	0.0099 (J)			
11/11/2019							0.035 (V)	9.7	10

Time Series

Constituent: Boron (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	<0.05	2.6
5/4/2016	<0.05 (*)	5.9
7/6/2016		4.9
7/7/2016	0.034 (J)	
9/7/2016	<0.05	6.4
11/7/2016	0.045 (J)	
11/8/2016		6
1/10/2017	<0.05 (*)	5.4
3/15/2017	<0.05	
3/16/2017		4.5
5/16/2017	0.043 (J)	3.9
10/3/2017	0.026 (J)	0.93
12/20/2017		3
3/13/2018	0.07	3.6
6/7/2018	0.1	3.4
10/17/2018	0.074	2.8
2/27/2019		2.8
2/28/2019	0.027 (J)	
5/31/2019	<0.05	4.4
11/11/2019	0.036 (V)	16

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	<0.0005	<0.0005	<0.0005	<0.0005					
3/1/2016					<0.0005	<0.0005			
3/3/2016							<0.0005	<0.0005	<0.0005
5/2/2016	<0.0005		<0.0005	<0.0005		<0.0005			
5/3/2016					<0.0005				
5/4/2016		<0.0005					<0.0005	<0.0005	<0.0005
7/5/2016	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
7/6/2016								0.00036 (J)	<0.0005
7/7/2016							<0.0005		
7/8/2016		<0.0005							
9/6/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
9/7/2016							<0.0005		<0.0005
9/8/2016								0.00045 (J)	
11/7/2016	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
11/8/2016							<0.0005	0.00065 (J)	<0.0005
11/10/2016		<0.0005							
1/9/2017	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
1/10/2017							<0.0005	0.00051 (J)	<0.0005
1/11/2017		<0.0005							
3/13/2017	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
3/14/2017		<0.0005							
3/15/2017							<0.0005		<0.0005
3/16/2017								0.00049 (J)	
5/15/2017	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005		0.00045 (J)	
5/16/2017							<0.0005		<0.0005
5/18/2017		<0.0005							
3/12/2018	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
3/13/2018							<0.0005	0.00041 (J)	<0.0005
3/14/2018		<0.0005							
6/5/2018	<0.0005		<0.0005	<0.0005					
6/6/2018					<0.0005	<0.0005	<0.0005		
6/7/2018								0.00066 (J)	<0.0005
6/10/2018		<0.0005							
10/16/2018	<0.0005		<0.0005	<0.0005					
10/17/2018					<0.0005	<0.0005		0.00072 (J)	<0.0005
10/18/2018		<0.0005					<0.0005		
2/27/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
2/28/2019							<0.0005	0.00039 (J)	<0.0005
5/31/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00034 (J)	<0.0005
11/6/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
11/11/2019							<0.0005	<0.0005	0.001 (J)

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	<0.0005	<0.0005
5/4/2016	<0.0005	<0.0005
7/6/2016		<0.0005
7/7/2016	<0.0005	
9/7/2016	<0.0005	<0.0005
11/7/2016	<0.0005	
11/8/2016		<0.0005
1/10/2017	<0.0005	<0.0005
3/15/2017	<0.0005	
3/16/2017		<0.0005
5/16/2017	<0.0005	<0.0005
3/13/2018	<0.0005	<0.0005
6/7/2018	<0.0005	<0.0005
10/17/2018	<0.0005	<0.0005
2/27/2019		<0.0005
2/28/2019	<0.0005	
5/31/2019	<0.0005	<0.0005
11/11/2019	<0.0005	<0.0005

Time Series

Constituent: Calcium (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	1	1 (J)	0.67	1.4					
3/1/2016					0.6	1.5			
3/3/2016							1 (J)	57	160
5/2/2016	0.78		0.58	1.1		0.83			
5/3/2016					0.55				
5/4/2016		0.62					1	60	140
7/5/2016	0.65		0.43	0.94	0.53	1.6			
7/6/2016								54	120
7/7/2016							0.62		
7/8/2016		0.4							
9/6/2016	0.7	0.45	0.48	1	0.5	1.6			
9/7/2016							0.6		94
9/8/2016								68	
11/7/2016	0.8		0.56	1.2	0.68	1.5			
11/8/2016							0.53	84	160
11/10/2016		0.44							
1/9/2017	0.74		0.43	1.2	0.56	0.98			
1/10/2017							0.51	64	150
1/11/2017		0.42							
3/13/2017	0.78		0.48	1.3	0.62	0.75			
3/14/2017		0.42							
3/15/2017							0.53		78
3/16/2017								78	
5/15/2017	0.76		0.37	1	0.58	0.83		63	
5/16/2017							0.48		120
5/18/2017		0.38							
10/2/2017	0.78		0.47	1.2	0.62	0.83			
10/3/2017							0.46	43	160
10/5/2017		0.39							
12/20/2017								44	120
3/12/2018	0.88		0.49	1.4	0.59	0.71			
3/13/2018							0.46	68	110
3/14/2018		0.49							
6/5/2018	0.9		0.49	1.2					
6/6/2018					0.59	0.68	0.45		
6/7/2018								89	97
6/10/2018		0.39							
10/16/2018	0.86		0.42	1.4					
10/17/2018					0.54	0.66		93	130
10/18/2018		0.41					0.48		
2/27/2019	0.96	0.44	0.56	1.3	0.63	0.7			
2/28/2019							0.44	48	120
5/31/2019	0.76	0.28	0.33	1.1	0.45	0.52	0.55	47	110
11/6/2019	0.88	0.46	0.49	1.2	0.55	0.74			
11/11/2019							0.56 (V)	73	82

Time Series

Constituent: Calcium (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	2.5	84
5/4/2016	1.1	90
7/6/2016		72
7/7/2016	0.71	
9/7/2016	0.78	75
11/7/2016	0.82	
11/8/2016		79
1/10/2017	0.58	61
3/15/2017	0.69	
3/16/2017		62
5/16/2017	0.66	64
10/3/2017	0.68	59
12/20/2017		65
3/13/2018	0.65	77
6/7/2018	0.6	78
10/17/2018	0.73	60
2/27/2019		65
2/28/2019	0.84	
5/31/2019	2.6	84
11/11/2019	1.6 (V)	63

Time Series

Constituent: Chloride (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	5.3	5.4	8.1	7.4					
3/1/2016					5.6	4			
3/3/2016							8.2	36	110
5/2/2016	4.4		6	6.3		3.6			
5/3/2016					5.1				
5/4/2016		4.5					8.2	47	120
7/5/2016	4.2		5.2	4.8	4.7	3.6			
7/6/2016								28	130
7/7/2016							8.3		
7/8/2016		4.9							
9/6/2016	4.3	4.3	5.5	6	4.4	4			
9/7/2016							8.1		43
9/8/2016								47	
11/7/2016	4.2		5.4	5.7	4.6	4.4			
11/8/2016							8.5	150	98
11/10/2016		4.5							
1/9/2017	5.3		6.1	6.8	5.3	4.4			
1/10/2017							9.1	110	150
1/11/2017		5.3							
3/13/2017	5.2		5.5	6.8	5.6	4.1			
3/14/2017		5.5							
3/15/2017							48		65
3/16/2017								200	
5/15/2017	4.8		4.7	6.1	5.2	3.7		120	
5/16/2017							8.9		120
5/18/2017		5							
10/2/2017	5.5		6.1	6	5.5	4.8			
10/3/2017							8.9	38	21
10/5/2017		5.6							
12/20/2017							8.8	22	79
3/12/2018	5.3		6.1	5.9	5.6	4			
3/13/2018							8.3	82	84
3/14/2018		5.2							
6/5/2018	5.3		5.5	6.5					
6/6/2018					5.6	4.1	8		
6/7/2018								170	86
6/10/2018		5.2							
10/16/2018	5.5		5.1	5.9					
10/17/2018					5.5	3.7		110	45
10/18/2018		5.2					8.1		
2/27/2019	4.6	5.1	5	4.3	5.1	4			
2/28/2019							9.1	49	110
5/31/2019	5.1	5	5.4	4.5	5.4	3.7	8.2	50	130
11/6/2019	5.8	6	6.1	5.7	5.9	4.7			
11/11/2019							8.4	63	81

Time Series

Constituent: Chloride (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	7.9	43
5/4/2016	7	63
7/6/2016		51
7/7/2016	7.1	
9/7/2016	6.9	57
11/7/2016	8	
11/8/2016		47
1/10/2017	<7.4 (*)	45
3/15/2017	8.1	
3/16/2017		40
5/16/2017	7.8	39
10/3/2017	7.1	20
12/20/2017	7.6	63
3/13/2018	6.9	130
6/7/2018	7.3	120
10/17/2018	6.8	70
2/27/2019		94
2/28/2019	7.1	
5/31/2019	9.8	110
11/11/2019	12	62

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/2/2020 2:32 PM

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	<0.0005	<0.0005	<0.0005	<0.0005					
3/1/2016					<0.0005	0.00056 (J)			
3/3/2016							<0.0005	<0.0005	<0.0005
5/2/2016	0.0029		0.0019 (J)	0.0034		0.0021 (J)			
5/3/2016					0.0012 (J)				
5/4/2016		<0.0005					0.0037	<0.0005	0.0012 (J)
7/5/2016	<0.0005		0.0051	0.0059	<0.0005	<0.0005			
7/6/2016								<0.0005	<0.0005
7/7/2016							<0.0005		
7/8/2016		<0.0005							
9/6/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
9/7/2016							<0.0005		<0.0005
9/8/2016								<0.0005	
11/7/2016	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
11/8/2016							<0.0005	<0.0005	<0.0005
11/10/2016		<0.0005							
1/9/2017	<0.0005		0.017 (o)	<0.0005	<0.0005	<0.0005			
1/10/2017							<0.0005	<0.0005	<0.0005
1/11/2017		<0.0005							
3/13/2017	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
3/14/2017		<0.0005							
3/15/2017							<0.0005		<0.0005
3/16/2017								<0.0005	
5/15/2017	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005		<0.0005	
5/16/2017							<0.0005		<0.0005
5/18/2017		<0.0005							
3/12/2018	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
3/13/2018							<0.0005	<0.0005	<0.0005
3/14/2018		<0.0005							
6/5/2018	<0.0005		<0.0005	<0.0005					
6/6/2018					<0.0005	<0.0005	<0.0005		
6/7/2018								<0.0005	<0.0005
6/10/2018		<0.0005							
10/16/2018	<0.0005		<0.0005	<0.0005					
10/17/2018					<0.0005	<0.0005			
10/18/2018		<0.0005							
2/27/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
2/28/2019							<0.0005	<0.0005	<0.0005
5/31/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
11/6/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/2/2020 2:32 PM

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	<0.0005	<0.0005
5/4/2016	0.0025	<0.0005
7/6/2016		<0.0005
7/7/2016	<0.0005	
9/7/2016	<0.0005	<0.0005
11/7/2016	<0.0005	
11/8/2016		<0.0005
1/10/2017	<0.0005	<0.0005
3/15/2017	<0.0005	
3/16/2017		<0.0005
5/16/2017	<0.0005	<0.0005
3/13/2018	<0.0005	<0.0005
6/7/2018	<0.0005	<0.0005
2/27/2019		<0.0005
2/28/2019	<0.0005	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/2/2020 2:32 PM

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	0.00039 (J)	<0.0005	0.00064 (J)	0.00023 (J)					
3/1/2016					0.00064 (J)	0.00071 (J)			
3/3/2016							<0.0005	<0.0005	0.19 (o)
5/2/2016	0.0013 (J)		0.0014 (J)	0.00092 (J)		0.001 (J)			
5/3/2016					0.00079 (J)				
5/4/2016		<0.0005					0.00093 (J)	0.0007 (J)	0.16 (o)
7/5/2016	0.00049 (J)		0.0027	0.0032	<0.0005	0.00055 (J)			
7/6/2016								<0.0005	0.15 (o)
7/7/2016							<0.0005		
7/8/2016		<0.0005							
9/6/2016	0.00062 (J)	0.00042 (J)	0.00062 (J)	<0.0005	0.00094 (J)	0.00057 (J)			
9/7/2016							<0.0005		0.019 (o)
9/8/2016								<0.0005	
11/7/2016	0.00049 (J)		0.00058 (J)	<0.0005	0.00041 (J)	0.00047 (J)			
11/8/2016							<0.0005	0.00051 (J)	0.099 (o)
11/10/2016		<0.0005							
1/9/2017	0.00045 (J)		0.00059 (J)	<0.0005	0.00074 (J)	0.00054 (J)			
1/10/2017							<0.0005	<0.0005	0.077
1/11/2017		<0.0005							
3/13/2017	0.00048 (J)		0.0005 (J)	<0.0005	0.00091 (J)	0.0004 (J)			
3/14/2017		<0.0005							
3/15/2017							<0.0005		0.0042
3/16/2017								0.0004 (J)	
5/15/2017	0.00052 (J)		0.00046 (J)	<0.0005	0.00075 (J)	0.00046 (J)		0.00079 (J)	
5/16/2017							<0.0005		0.0067
5/18/2017		<0.0005							
3/12/2018	0.00055 (J)		0.00055 (J)	<0.0005	0.00044 (J)	<0.0005			
3/13/2018							<0.0005	0.00056 (J)	0.015
3/14/2018		<0.0005							
6/5/2018	0.00051 (J)		0.00052 (J)	<0.0005					
6/6/2018					0.0004 (J)	0.00048 (J)	<0.0005		
6/7/2018								0.0007 (J)	0.014
6/10/2018		<0.0005							
10/16/2018	0.00058 (J)		0.00045 (J)	<0.0005					
10/17/2018					<0.0005	0.00043 (J)		<0.0005	0.012
10/18/2018		<0.0005					<0.0005		
2/27/2019	0.00065 (J)	<0.0005	0.00056 (J)	<0.0005	<0.0005	0.00045 (J)			
2/28/2019							<0.0005	0.00059 (J)	0.02
5/31/2019	0.00046 (J)	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00073 (J)	0.026
11/6/2019	0.00056 (J)	0.00033 (J)	0.00048 (J)	0.00019 (J)	0.00029 (J)	0.00094 (J)			
11/11/2019							0.00023 (J)	0.00065 (J)	0.023

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/2/2020 2:32 PM

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	0.00085 (J)	0.00063 (J)
5/4/2016	0.001 (J)	0.00056 (J)
7/6/2016		<0.0005
7/7/2016	0.00044 (J)	
9/7/2016	0.00052 (J)	<0.0005
11/7/2016	0.00046 (J)	
11/8/2016		<0.0005
1/10/2017	0.00042 (J)	<0.0005
3/15/2017	0.00044 (J)	
3/16/2017		<0.0005
5/16/2017	<0.0005	<0.0005
3/13/2018	<0.0005	<0.0005
6/7/2018	<0.0005	<0.0005
10/17/2018	<0.0005	<0.0005
2/27/2019		<0.0005
2/28/2019	0.00042 (J)	
5/31/2019	0.00046 (J)	<0.0005
11/11/2019	0.00063 (J)	<0.0005

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	1.27	1.09	1.42	2.4					
3/1/2016					0.647	<5			
3/3/2016							4.62	5.43	9.46
5/2/2016	0.808		1.03	1.62		<5			
5/3/2016					0.748				
5/4/2016		0.848					5.36	5.52	9.66
7/5/2016	0.947		0.961	1.01	0.591	<5			
7/6/2016								12.9	2.84
7/7/2016							6.27		
7/8/2016		1.46							
9/6/2016	1.07	1.34	1.07	1.8	0.831	0.566			
9/7/2016							5.25		4.49
9/8/2016								3.73	
11/7/2016	0.602		0.818	1.86	0.983	0.784			
11/8/2016							5.64	5.61	7.47
11/10/2016		1.23							
1/9/2017	0.865		0.934	2.25	0.767	0.541			
1/10/2017							5.39	4.33	9.6
1/11/2017		1.11							
3/13/2017	0.693		0.937	1.87	1.26	0.442			
3/14/2017		1.01							
3/15/2017							5.72		2.22
3/16/2017								6.34	
5/15/2017	0.786		0.685	1.4	0.553	0.345		5.77	
5/16/2017							4.84		3.89
5/18/2017		0.745							
3/12/2018	0.933		1.09	1.97	0.783	0.848			
3/13/2018							5.59	5.94	5.25
3/14/2018		0.614							
6/5/2018	0.713		0.927	2.17					
6/6/2018					1.08	0.78	3.96		
6/7/2018								5.79	4.1
6/10/2018		0.959							
10/16/2018	2.14		1.07	2.2					
10/17/2018					1.19	0.88		6.31	3.15
10/18/2018		0.944					5.75		
2/27/2019	0.651	0.827	0.912	1.8	0.741	0.431			
2/28/2019							4.82	5.4	5.21
5/31/2019	1.33	0.99	1.24	1.8	0.759	0.884	4.06	4.37	6.03
11/6/2019	1.32	0.892	0.509 (U)	2.32	0.105 (U)	0.366 (U)			
11/11/2019							5.43	5.71	5.15

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	1.67	2.29
5/4/2016	1.18	2.58
7/6/2016		3.08
7/7/2016	1.24	
9/7/2016	1.49	3.04
11/7/2016	1.32	
11/8/2016		2.96
1/10/2017	2.16	3.5
3/15/2017	1.14	
3/16/2017		2.9
5/16/2017	1.26	1.47
3/13/2018	1.29	2.96
6/7/2018	1.25	2.45
10/17/2018	1.24	2.7
2/27/2019		2.61
2/28/2019	1.55	
5/31/2019	1.9	3.62
11/11/2019	1.58	2

Time Series

Constituent: Field pH (SU) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	5.11	5.26	5.11	4.9					
3/1/2016					5.08	6.37			
3/3/2016							5.11	6.16	5.185 (D)
5/2/2016	4.76		4.77	4.69		5.605 (D)			
5/3/2016					5.14				
5/4/2016		5.1					5.13	6.3	5.02 (D)
7/5/2016	5.12		5.48	7.11 (o)	5.38	6.29			
7/6/2016								7.07	4.93
7/7/2016							4.96		
7/8/2016		4.96							
9/6/2016	5.11	5.43	5.12	5.19	5.37	6.42			
9/7/2016							4.88		5.36
9/8/2016								6.72	
11/7/2016	4.76		4.73	4.64	4.92	5.75			
11/8/2016							4.54	6.55	5.26
11/10/2016		4.89							
1/9/2017	4.99		5	4.94	5.05	5.98			
1/10/2017							4.83	6.72	5.04
1/11/2017		4.87							
3/13/2017	4.57		4.74	4.63	4.87	5.81			
3/14/2017		4.71							
3/15/2017							4.82		5.91
3/16/2017								6.5	
5/15/2017	4.6		4.63	4.52	4.69	5.42		6.15	
5/16/2017							4.53		5.36
5/18/2017		4.5							
10/2/2017	4.64		4.63	4.54	4.88	5.63			
10/3/2017							4.44	6.48	6.36
10/5/2017		4.63							
12/20/2017							4.63	6.99 (R)	5.86
3/12/2018	4.85		4.81	4.81	5.07	5.6			
3/13/2018							4.78	6.61	5.41
3/14/2018		5.14							
6/5/2018	4.92		5.04	4.9					
6/6/2018					5.09	5.58	4.67		
6/7/2018								6.48	5.37
6/10/2018		5.12							
10/16/2018	4.93		4.98	4.81					
10/17/2018					4.99	5.54		6.58	5.94
10/18/2018		4.97					4.71		
2/27/2019	4.75	4.84	4.78	4.71	4.87	5.4			
2/28/2019							4.71	6.53	5.64
5/31/2019	4.9	4.92	4.92	4.84	4.89	5.45	4.62	6.25	5.41
11/6/2019	4.82	4.94	4.88	4.78	5.04	5.52			
11/11/2019							4.77	6.68	5.18

Time Series

Constituent: Field pH (SU) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	5.33	6.62 (D)
5/4/2016	5.13	6.345 (D)
7/6/2016		6.42
7/7/2016	5.19	
9/7/2016	4.9	6.01
11/7/2016	4.78	
11/8/2016		6.02
1/10/2017	4.96	6
3/15/2017	4.89	
3/16/2017		6.12
5/16/2017	4.53	6.13
10/3/2017	4.64	5.47
12/20/2017	4.87	6.07 (R)
3/13/2018	4.91	6.26
6/7/2018	4.8	6.36
10/17/2018	4.87	6.18
2/27/2019		6.49
2/28/2019	4.86	
5/31/2019	4.84	6.65
11/11/2019	4.9	6.75

Time Series

Constituent: Fluoride (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	<0.1	<0.1	<0.1	<0.1					
3/1/2016					<0.1	0.033 (J)			
3/3/2016							0.041 (J)	0.15	0.12
5/2/2016	<0.1		<0.1	<0.1		<0.1			
5/3/2016					<0.1				
5/4/2016		<0.1					<0.1	0.11	0.19
7/5/2016	<0.1		<0.1	<0.1	<0.1	<0.1			
7/6/2016								0.13	0.15
7/7/2016							<0.1		
7/8/2016		<0.1							
9/6/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
9/7/2016							<0.1		0.06 (J)
9/8/2016								0.12	
11/7/2016	<0.1		<0.1	<0.1	<0.1	<0.1			
11/8/2016							<0.1	0.13	0.09 (J)
11/10/2016		<0.1							
1/9/2017	<0.1		<0.1	<0.1	<0.1	<0.1			
1/10/2017							<0.1	0.15	<0.1
1/11/2017		<0.1							
3/13/2017	<0.1		<0.1	<0.1	<0.1	<0.1			
3/14/2017		<0.1							
3/15/2017							<0.1		<0.1
3/16/2017								0.16	
5/15/2017	<0.1		<0.1	<0.1	<0.1	<0.1		0.2	
5/16/2017							<0.1		0.04 (J)
5/18/2017		<0.1							
10/2/2017	<0.1		<0.1	<0.1	<0.1	<0.1			
10/3/2017							<0.1	0.25	0.07 (J)
10/5/2017		<0.1							
12/20/2017								0.25	
3/12/2018	<0.1		<0.1	<0.1	<0.1	<0.1			
3/13/2018							<0.1	0.26	<0.1
3/14/2018		0.12							
6/5/2018	<0.1		<0.1	<0.1					
6/6/2018					<0.1	<0.1	<0.1		
6/7/2018								0.28	<0.1
6/10/2018		<0.1							
10/16/2018	<0.1		<0.1	<0.1					
10/17/2018					<0.1	<0.1		0.29	0.06 (J)
10/18/2018		<0.1					<0.1		
2/27/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
2/28/2019							<0.1	0.28	<0.1
5/31/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.33	<0.1
11/6/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
11/11/2019							<0.1	0.26	<0.1

Time Series

Constituent: Fluoride (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	0.035 (J)	0.11
5/4/2016	<0.1	0.07 (J)
7/6/2016		0.07 (J)
7/7/2016	<0.1	
9/7/2016	<0.1	0.06 (J)
11/7/2016	<0.1	
11/8/2016		0.06 (J)
1/10/2017	<0.1	0.04 (J)
3/15/2017	<0.1	
3/16/2017		0.06 (J)
5/16/2017	<0.1	0.09 (J)
10/3/2017	<0.1	0.13
12/20/2017		0.1
3/13/2018	<0.1	0.1
6/7/2018	<0.1	0.14
10/17/2018	<0.1	0.14
2/27/2019		0.16
2/28/2019	<0.1	
5/31/2019	<0.1	0.2
11/11/2019	<0.1	0.16

Time Series

Constituent: Lead (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	<0.00025	<0.00025	<0.00025	<0.00025					
3/1/2016					<0.00025	<0.00025			
3/3/2016							<0.00025	<0.00025	<0.00025
5/2/2016	<0.00025		<0.00025	<0.00025		<0.00025			
5/3/2016					<0.00025				
5/4/2016		<0.00025					<0.00025	<0.00025	0.00086 (J)
7/5/2016	<0.00025		<0.00025	<0.00025	<0.00025	<0.00025			
7/6/2016								<0.00025	0.0014
7/7/2016							<0.00025		
7/8/2016		<0.00025							
9/6/2016	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025			
9/7/2016							<0.00025		0.00056 (J)
9/8/2016								<0.00025	
11/7/2016	<0.00025		<0.00025	<0.00025	<0.00025	<0.00025			
11/8/2016							<0.00025	<0.00025	0.00047 (J)
11/10/2016		<0.00025							
1/9/2017	<0.00025		<0.00025	<0.00025	<0.00025	<0.00025			
1/10/2017							<0.00025	<0.00025	0.00041 (J)
1/11/2017		<0.00025							
3/13/2017	<0.00025		<0.00025	<0.00025	<0.00025	<0.00025			
3/14/2017		<0.00025							
3/15/2017							<0.00025		<0.00025
3/16/2017								<0.00025	
5/15/2017	<0.00025		<0.00025	<0.00025	<0.00025	<0.00025		<0.00025	
5/16/2017							<0.00025		<0.00025
5/18/2017		<0.00025							
3/12/2018	<0.00025		<0.00025	<0.00025	<0.00025	<0.00025			
3/13/2018							<0.00025	<0.00025	<0.00025
3/14/2018		<0.00025							
6/5/2018	<0.00025		<0.00025	<0.00025					
6/6/2018					<0.00025	<0.00025	<0.00025		
6/7/2018								<0.00025	<0.00025
6/10/2018		<0.00025							
10/16/2018	<0.00025		<0.00025	<0.00025					
10/17/2018					<0.00025	<0.00025			
10/18/2018		<0.00025							
2/27/2019	<0.00025	<0.00025	0.001 (J)	<0.00025	<0.00025	<0.00025			
2/28/2019							<0.00025	<0.00025	<0.00025
5/31/2019	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025			
11/6/2019	0.0001 (J)	<0.00025	6.6E-05 (J)	8.4E-05 (J)	<0.00025	0.0002 (J)			

Time Series

Constituent: Lead (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	<0.00025	<0.00025
5/4/2016	<0.00025	<0.00025
7/6/2016		<0.00025
7/7/2016	<0.00025	
9/7/2016	<0.00025	<0.00025
11/7/2016	<0.00025	
11/8/2016		<0.00025
1/10/2017	<0.00025	<0.00025
3/15/2017	<0.00025	
3/16/2017		<0.00025
5/16/2017	<0.00025	<0.00025
3/13/2018	<0.00025	<0.00025
6/7/2018	<0.00025	<0.00025
2/27/2019		<0.00025
2/28/2019	<0.00025	

Time Series

Constituent: Lithium (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	<0.001	<0.001	<0.001	<0.001					
3/1/2016					<0.001	0.0037			
3/3/2016							<0.001	0.037	<0.001
5/2/2016	<0.001		<0.001	<0.001		<0.001			
5/3/2016					<0.001				
5/4/2016		<0.001					<0.001	0.029	<0.001
7/5/2016	<0.001		<0.001	<0.001	<0.001	<0.001			
7/6/2016								0.024	0.0044 (J)
7/7/2016							<0.001		
7/8/2016		<0.001							
9/6/2016	<0.001	0.0037 (J)	<0.001	<0.001	<0.001	<0.001			
9/7/2016							<0.001		<0.001
9/8/2016								0.022	
11/7/2016	<0.001		<0.001	<0.001	<0.001	0.0097 (o)			
11/8/2016							<0.001	0.026	<0.001
11/10/2016		<0.001							
1/9/2017	<0.001		<0.001	<0.001	<0.001	<0.001			
1/10/2017							<0.001	0.024	<0.001
1/11/2017		<0.001							
3/13/2017	<0.001		<0.001	<0.001	<0.001	<0.001			
3/14/2017		<0.001							
3/15/2017							<0.001		<0.001
3/16/2017								0.029	
5/15/2017	<0.001		<0.001	<0.001	<0.001	<0.001		0.025	
5/16/2017							<0.001		<0.001
5/18/2017		<0.001							
3/12/2018	0.0011 (J)		0.0014 (J)	<0.001	<0.001	<0.001			
3/13/2018							<0.001	0.03	<0.001
3/14/2018		<0.001							
6/5/2018	<0.001		0.0012 (J)	<0.001					
6/6/2018					<0.001	0.0021 (J)	<0.001		
6/7/2018								0.025	0.0012 (J)
6/10/2018		<0.001							
10/16/2018	<0.001		0.0015 (J)	0.0013 (J)					
10/17/2018					<0.001	0.0012 (J)		0.024	<0.001
10/18/2018		0.0013 (J)					<0.001		
2/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001	0.002 (J)			
2/28/2019							<0.001	0.021	<0.001
5/31/2019	0.0021 (J)	0.0013 (J)	0.0017 (J)	0.0017 (J)	0.0015 (J)	0.0026 (J)	0.0014 (J)	0.021	0.0023 (J)
11/6/2019	0.0011	0.001	0.0011	<0.001	0.00063 (J)	0.0012			
11/11/2019							0.00062 (J)	0.023	0.0034

Time Series

Constituent: Lithium (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	<0.001	<0.001
5/4/2016	<0.001	<0.001
7/6/2016		<0.001
7/7/2016	<0.001	
9/7/2016	<0.001	<0.001
11/7/2016	<0.001	
11/8/2016		<0.001
1/10/2017	<0.001	<0.001
3/15/2017	<0.001	
3/16/2017		<0.001
5/16/2017	<0.001	<0.001
3/13/2018	<0.001	<0.001
6/7/2018	0.0014 (J)	0.0011 (J)
10/17/2018	<0.001	<0.001
2/27/2019		0.0011 (J)
2/28/2019	<0.001	
5/31/2019	<0.001	0.0021 (J)
11/11/2019	0.00054 (J)	0.0013

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	<0.0002	<0.0002	9.1E-05 (J)	<0.0002					
3/1/2016					<0.0002	<0.0002			
3/3/2016							<0.0002	<0.0002	8.6E-05 (J)
5/2/2016	<0.0002		7.4E-05 (J)	<0.0002		<0.0002			
5/3/2016					<0.0002				
5/4/2016		<0.0002					<0.0002	<0.0002	0.00026
7/5/2016	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002			
7/6/2016								<0.0002	0.0012
7/7/2016							<0.0002		
7/8/2016		<0.0002 (*)							
9/6/2016	<0.0002 (*)	<0.0002	<0.0002 (*)	<0.0002	<0.0002 (*)	<0.0002 (*)			
9/7/2016							<0.0002		<0.0002
9/8/2016								<0.0002	
11/7/2016	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002			
11/8/2016							<0.0002	<0.0002	0.00065
11/10/2016		<0.0002							
1/9/2017	<0.0002 (*)		<0.0002 (*)	<0.0002 (*)	<0.0002 (*)	<0.0002 (*)			
1/10/2017							<0.0002	<0.0002	<0.0002
1/11/2017		<0.0002							
3/13/2017	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002			
3/14/2017		<0.0002 (*)							
3/15/2017							<0.0002		<0.0002
3/16/2017								<0.0002	
5/15/2017	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	
5/16/2017							<0.0002		0.00042
5/18/2017		<0.0002							
3/12/2018	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002			
3/13/2018							<0.0002	<0.0002	0.00039
3/14/2018		9.3E-05 (J)							
6/5/2018	<0.0002		<0.0002	<0.0002					
6/6/2018					<0.0002	<0.0002	<0.0002		
6/7/2018								<0.0002	0.00033
6/10/2018		<0.0002							
10/16/2018	<0.0002		<0.0002	<0.0002					
10/17/2018					<0.0002	<0.0002		<0.0002	0.00041
10/18/2018		<0.0002					<0.0002		
2/27/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			
2/28/2019							<0.0002	<0.0002	0.00055
5/31/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00054
11/6/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			
11/11/2019							<0.0002	<0.0002	0.0011

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	<0.0002	<0.0002
5/4/2016	<0.0002	<0.0002
7/6/2016		<0.0002 (*)
7/7/2016	<0.0002	
9/7/2016	<0.0002	<0.0002
11/7/2016	<0.0002	
11/8/2016		<0.0002
1/10/2017	<0.0002	<0.0002
3/15/2017	<0.0002	
3/16/2017		<0.0002
5/16/2017	<0.0002	<0.0002
3/13/2018	<0.0002	<0.0002
6/7/2018	<0.0002	<0.0002
10/17/2018	<0.0002	<0.0002
2/27/2019		<0.0002
2/28/2019	<0.0002	
5/31/2019	<0.0002	<0.0002
11/11/2019	<0.0002	<0.0002

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	<0.003	<0.003	<0.003	<0.003					
3/1/2016					<0.003	<0.003			
3/3/2016							<0.003	0.99	<0.003
5/2/2016	<0.003		<0.003	<0.003		<0.003			
5/3/2016					<0.003				
5/4/2016		<0.003					<0.003	0.99	<0.003
7/5/2016	<0.003		<0.003	<0.003	<0.003	<0.003			
7/6/2016								1.9	0.0018 (J)
7/7/2016							<0.003		
7/8/2016		<0.003							
9/6/2016	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003			
9/7/2016							<0.003		0.0029 (J)
9/8/2016								2.4	
11/7/2016	<0.003		<0.003	<0.003	<0.003	<0.003			
11/8/2016							<0.003	2.2	<0.003
11/10/2016		<0.003							
1/9/2017	<0.003		<0.003	<0.003	<0.003	<0.003			
1/10/2017							<0.003	2.1	<0.003 (*)
1/11/2017		<0.003							
3/13/2017	0.0042 (J)		<0.003	0.0022 (J)	<0.003	<0.003			
3/14/2017		<0.003							
3/15/2017							<0.003		<0.003
3/16/2017								1.6	
5/15/2017	<0.003		<0.003	<0.003	<0.003	<0.003		1.2	
5/16/2017							<0.003		<0.003 (*)
5/18/2017		<0.003							
3/12/2018	<0.003		<0.003	<0.003	<0.003	<0.003			
3/13/2018							<0.003	1	0.0033 (J)
3/14/2018		<0.003							
6/5/2018	<0.003		0.00088 (J)	<0.003					
6/6/2018					<0.003	<0.003	<0.003		
6/7/2018								1.1	0.0065 (J)
6/10/2018		<0.003							
10/16/2018	<0.003		<0.003	<0.003					
10/17/2018					<0.003	<0.003		1.1	0.0043 (J)
10/18/2018		<0.003					<0.003		
2/27/2019	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003			
2/28/2019							<0.003	0.77	0.0028 (J)
5/31/2019	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.64	<0.003
11/6/2019	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003			
11/11/2019							<0.003	0.85	0.0056 (J)

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	<0.003	<0.003
5/4/2016	<0.003	<0.003
7/6/2016		<0.003
7/7/2016	<0.003	
9/7/2016	<0.003	<0.003
11/7/2016	<0.003	
11/8/2016		<0.003
1/10/2017	<0.003	<0.003
3/15/2017	<0.003	
3/16/2017		<0.003
5/16/2017	<0.003 (*)	<0.003
3/13/2018	<0.003	<0.003
6/7/2018	0.0016 (J)	0.00098 (J)
10/17/2018	<0.003	<0.003
2/27/2019		<0.003
2/28/2019	<0.003	
5/31/2019	<0.003	<0.003
11/11/2019	<0.003	<0.003

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	<0.00025	<0.00025	<0.00025	<0.00025					
3/1/2016					<0.00025	<0.00025			
3/3/2016							<0.00025	0.008	0.0041 (J)
5/2/2016	<0.00025		<0.00025	0.00025 (J)		<0.00025			
5/3/2016					<0.00025				
5/4/2016		<0.00025					<0.00025	0.0068	0.008
7/5/2016	<0.00025		<0.00025	<0.00025	<0.00025	<0.00025			
7/6/2016								0.0061	0.0056
7/7/2016							<0.00025		
7/8/2016		<0.00025							
9/6/2016	0.00049 (J)	<0.00025	<0.00025	0.00027 (J)	<0.00025	<0.00025			
9/7/2016							<0.00025		0.0045
9/8/2016								0.0065	
11/7/2016	<0.00025		<0.00025	<0.00025	<0.00025	<0.00025			
11/8/2016							<0.00025	0.0046	0.0055
11/10/2016		<0.00025							
1/9/2017	<0.00025		<0.00025	<0.00025	<0.00025	<0.00025			
1/10/2017							<0.00025	0.0045	0.0056
1/11/2017		0.00049 (J)							
3/13/2017	0.0023		<0.00025	0.0025	<0.00025	<0.00025			
3/14/2017		<0.00025							
3/15/2017							<0.00025		0.0088
3/16/2017								0.0079	
5/15/2017	<0.00025		<0.00025	<0.00025	<0.00025	<0.00025		0.0064	
5/16/2017							<0.00025		0.0029
5/18/2017		<0.00025							
3/12/2018	0.00046 (J)		0.00064 (J)	0.00047 (J)	0.00026 (J)	<0.00025			
3/13/2018							<0.00025	0.0037	0.0065
3/14/2018		0.00067 (J)							
6/5/2018	0.00049 (J)		0.00098 (J)	0.00065 (J)					
6/6/2018					0.00025 (J)	0.00026 (J)	<0.00025		
6/7/2018								0.0054	0.0047
6/10/2018		0.00028 (J)							
10/16/2018	<0.00025		<0.00025	<0.00025					
10/17/2018					<0.00025	<0.00025		0.0026	0.05 (o)
10/18/2018		<0.00025					<0.00025		
2/27/2019	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025			
2/28/2019							<0.00025	0.002	0.0011 (J)
5/31/2019	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	0.0041	0.0045
11/6/2019	<0.00025	<0.00025	<0.00025	0.00034	<0.00025	<0.00025			
11/11/2019							<0.00025	0.0031	0.0067

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	<0.00025	0.0051 (J)
5/4/2016	<0.00025	0.0049
7/6/2016		0.0066
7/7/2016	<0.00025	
9/7/2016	<0.00025	0.0073
11/7/2016	<0.00025	
11/8/2016		0.0058
1/10/2017	<0.00025	0.0058
3/15/2017	<0.00025	
3/16/2017		0.006
5/16/2017	<0.00025	0.0058
3/13/2018	<0.00025	0.0048
6/7/2018	<0.00025	0.0061
10/17/2018	<0.00025	0.0023
2/27/2019		0.0033
2/28/2019	<0.00025	
5/31/2019	<0.00025	0.0031
11/11/2019	0.00027	0.002

Time Series

Constituent: Sulfate (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	<5	<5	<5	1.6 (J)					
3/1/2016					<5	<5			
3/3/2016							<5	180	550
5/2/2016	15 (o)		<5	2.1 (J)		<5			
5/3/2016					<5				
5/4/2016		<5					<5	200	520
7/5/2016	<5		<5	2 (J)	<5	<5			
7/6/2016								150	510
7/7/2016							<5		
7/8/2016		<5							
9/6/2016	<5	<5	<5	1.8 (J)	<5	3.7 (J)			
9/7/2016							<5		340
9/8/2016								160	
11/7/2016	<5		<5	1.7 (J)	<5	<5			
11/8/2016							<5	230	630
11/10/2016		<5							
1/9/2017	<5		2.6 (J)	1.5 (J)	<5	<5			
1/10/2017							<5	190	580
1/11/2017		<5							
3/13/2017	2.5 (J)		<5	2.2 (J)	<5	<5			
3/14/2017		<5							
3/15/2017							<5 (*)		250
3/16/2017								190	
5/15/2017	<5		<5	1.9 (J)	<5	<5		190	
5/16/2017							<5		410
5/18/2017		<5 (X)							
10/2/2017	<5		<5	3.4 (J)	1.5 (J)	1.7 (J)			
10/3/2017							<5	130	440
10/5/2017		<5							
12/20/2017								85	400
3/12/2018	<5		<5	2.6 (J)	<5	<5			
3/13/2018							<5	160	460
3/14/2018		<5							
6/5/2018	<5		<5	2.6 (J)					
6/6/2018					<5	<5	<5		
6/7/2018								280	420
6/10/2018		1.5 (J)							
10/16/2018	<5		<5	2.8 (J)					
10/17/2018					<5	<5		250	320
10/18/2018		<5					<5		
2/27/2019	<5	1.9 (J)	<5	2.4 (J)	<5	<5			
2/28/2019							<5	140	490
5/31/2019	<5	<5	<5	3.3 (J)	<5	<5	<5	140	500
11/6/2019	<5	<5	<5	3.7 (J)	<5	<5			
11/11/2019							<5	230	340

Time Series

Constituent: Sulfate (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	<5	230
5/4/2016	<5	280
7/6/2016		270
7/7/2016	<5	
9/7/2016	<5	280
11/7/2016	<5	
11/8/2016		280
1/10/2017	<5	240
3/15/2017	<5 (*)	
3/16/2017		220
5/16/2017	<5	200
10/3/2017	<5	180
12/20/2017		170
3/13/2018	1.5 (J)	210
6/7/2018	<5	210
10/17/2018	<5	140
2/27/2019		150
2/28/2019	2.6 (J)	
5/31/2019	12	210
11/11/2019	5.5	170

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	<0.0001	<0.0001	<0.0001	<0.0001					
3/1/2016					<0.0001	<0.0001			
3/3/2016							<0.0001	0.00023 (J)	0.00015 (J)
5/2/2016	<0.0001		<0.0001	<0.0001		<0.0001			
5/3/2016					<0.0001				
5/4/2016		<0.0001					<0.0001	0.00021 (J)	0.00021 (J)
7/5/2016	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001			
7/6/2016								0.00016 (J)	0.00022 (J)
7/7/2016							<0.0001		
7/8/2016		<0.0001							
9/6/2016	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001			
9/7/2016							<0.0001		0.0001 (J)
9/8/2016								0.00015 (J)	
11/7/2016	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001			
11/8/2016							<0.0001	0.00017 (J)	0.00014 (J)
11/10/2016		<0.0001							
1/9/2017	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001			
1/10/2017							<0.0001	0.00018 (J)	0.00018 (J)
1/11/2017		<0.0001							
3/13/2017	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001			
3/14/2017		<0.0001							
3/15/2017							<0.0001		<0.0001
3/16/2017								0.00024 (J)	
5/15/2017	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001		0.00022 (J)	
5/16/2017							<0.0001		9.5E-05 (J)
5/18/2017		<0.0001							
3/12/2018	<0.0001		<0.0001	<0.0001	<0.0001	<0.0001			
3/13/2018							<0.0001	0.00022 (J)	0.00017 (J)
3/14/2018		<0.0001							
6/5/2018	<0.0001		<0.0001	<0.0001					
6/6/2018					<0.0001	<0.0001	<0.0001		
6/7/2018								0.00022 (J)	0.00017 (J)
6/10/2018		<0.0001							
10/16/2018	<0.0001		<0.0001	<0.0001					
10/17/2018					<0.0001	<0.0001		0.00019 (J)	0.00011 (J)
10/18/2018		<0.0001					<0.0001		
2/27/2019	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001			
2/28/2019							<0.0001	0.00018 (J)	0.00016 (J)
5/31/2019	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
11/6/2019	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001			
11/11/2019							<0.0001	0.00023 (J)	0.00029 (J)

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	<0.0001	0.00023 (J)
5/4/2016	<0.0001	0.00026 (J)
7/6/2016		0.00032 (J)
7/7/2016	<0.0001	
9/7/2016	<0.0001	0.00036 (J)
11/7/2016	<0.0001	
11/8/2016		0.00032 (J)
1/10/2017	<0.0001	0.00033 (J)
3/15/2017	<0.0001	
3/16/2017		0.00029 (J)
5/16/2017	<0.0001	0.00027 (J)
3/13/2018	<0.0001	0.00028 (J)
6/7/2018	<0.0001	0.00026 (J)
10/17/2018	<0.0001	0.00022 (J)
2/27/2019		0.00022 (J)
2/28/2019	<0.0001	
5/31/2019	<0.0001	<0.0001
11/11/2019	<0.0001	0.00023 (J)

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	20	20	<5	12					
3/1/2016					10	<5			
3/3/2016							18	420	1100
5/2/2016	<5		<5	6		36			
5/3/2016					<5				
5/4/2016		6					28	450	1200
7/5/2016	12		14	<5	<5	<5			
7/6/2016								280	870
7/7/2016							<5		
7/8/2016		6							
9/6/2016	36	36	30	38	36	44			
9/7/2016							8		650
9/8/2016								410	
11/7/2016	18		8	<5	<5	30			
11/8/2016							24	580	1100
11/10/2016		16							
1/9/2017	4 (J)		<5	14	<5	12			
1/10/2017							30	530	1300
1/11/2017		38							
3/13/2017	6		<5	8	22	20			
3/14/2017		<5							
3/15/2017							32		500
3/16/2017								650	
5/15/2017	<5		<5	<5	6	4 (J)		500	
5/16/2017							<5		850
5/18/2017		10							
10/2/2017	<5		<5	6	16	24			
10/3/2017							34	310	760
10/5/2017		<5							
12/20/2017								150	830
3/12/2018	18		14	<5	<5	<5			
3/13/2018							26	450	880
3/14/2018		8							
6/5/2018	10		<5	14					
6/6/2018					20	16	64		
6/7/2018								620	670
6/10/2018		8							
10/16/2018	32		12	6					
10/17/2018					44	44		700	770
10/18/2018		28					12		
2/27/2019	110	68	54	110	20	28			
2/28/2019							20	330	880
5/31/2019	46	<5	8	26	32	18	36	300	1200
11/6/2019	<5	10	4 (J)	<5	24	20			
11/11/2019							66	390	370

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 3/9/2020 11:23 AM View: Descriptive - 300 Series

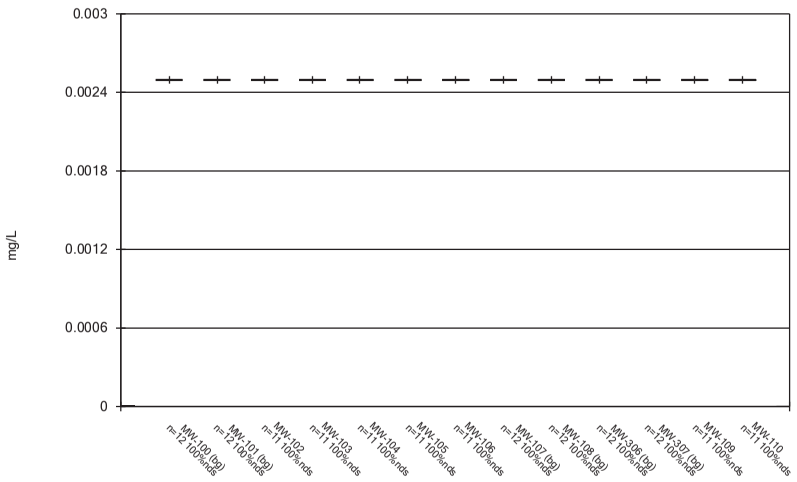
Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	18	490
5/4/2016	38	690
7/6/2016		500
7/7/2016	<5	
9/7/2016	14	590
11/7/2016	32	
11/8/2016		530
1/10/2017	32	510
3/15/2017	20	
3/16/2017		420
5/16/2017	18	430
10/3/2017	36	320
12/20/2017		410
3/13/2018	12	590
6/7/2018	<5	530
10/17/2018	68	390
2/27/2019		420
2/28/2019	28	
5/31/2019	50	620
11/11/2019	38	410

Box Plots - 100, 200 & 300 Series

100 Series

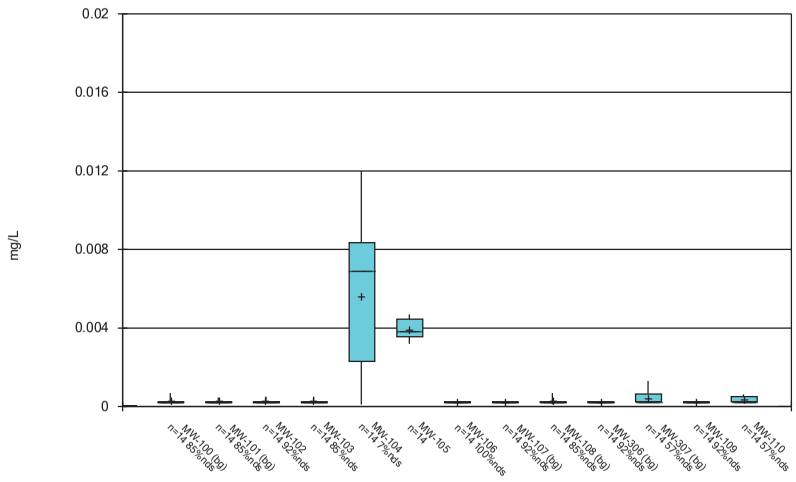
Box & Whiskers Plot



Constituent: Antimony Analysis Run 3/9/2020 10:53 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

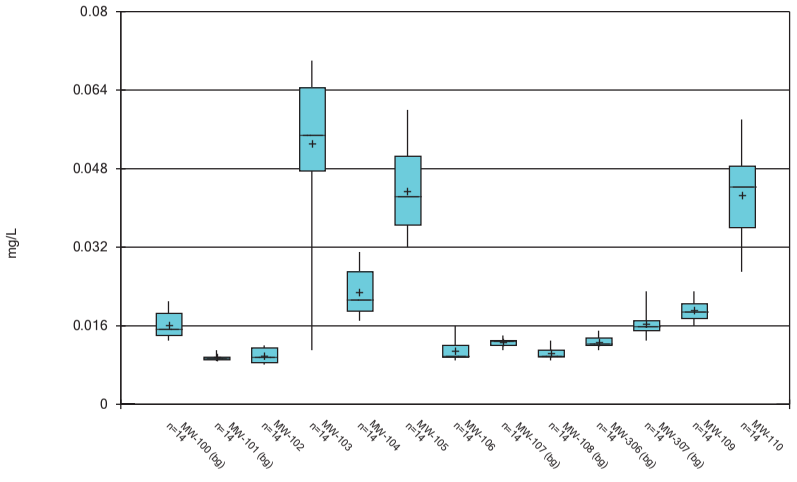
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 3/9/2020 10:53 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

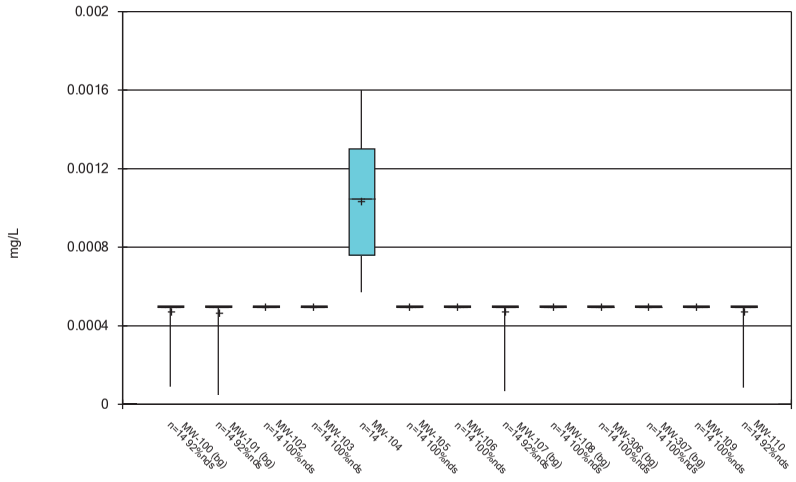
Box & Whiskers Plot



Constituent: Barium Analysis Run 3/9/2020 10:53 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

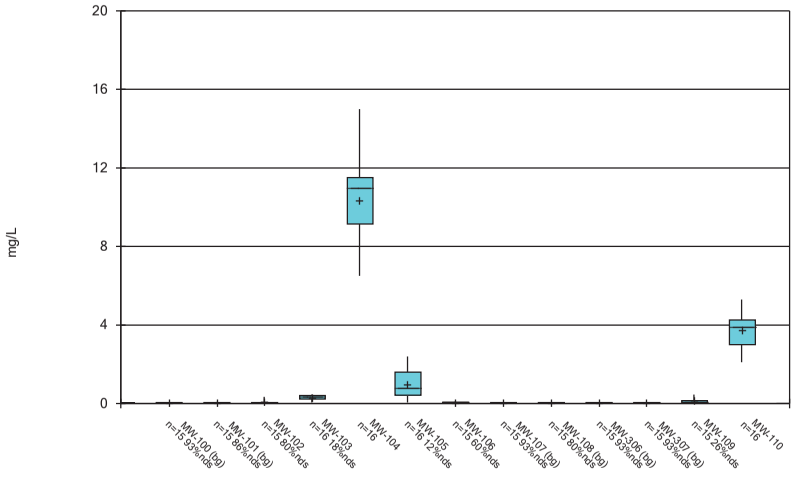
Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Beryllium Analysis Run 3/9/2020 10:53 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

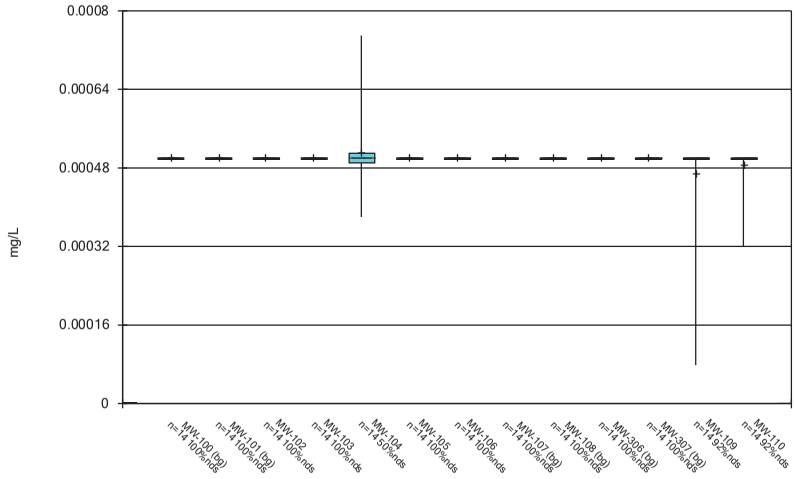
Box & Whiskers Plot



Constituent: Boron Analysis Run 3/9/2020 10:53 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

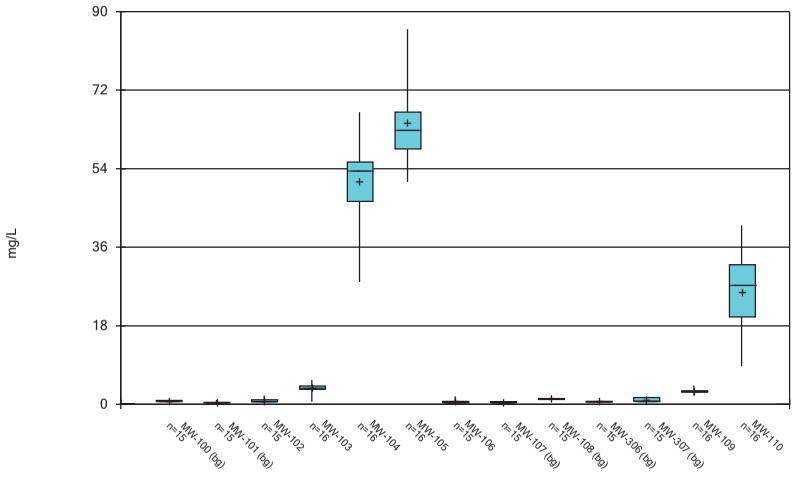
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 3/9/2020 10:53 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

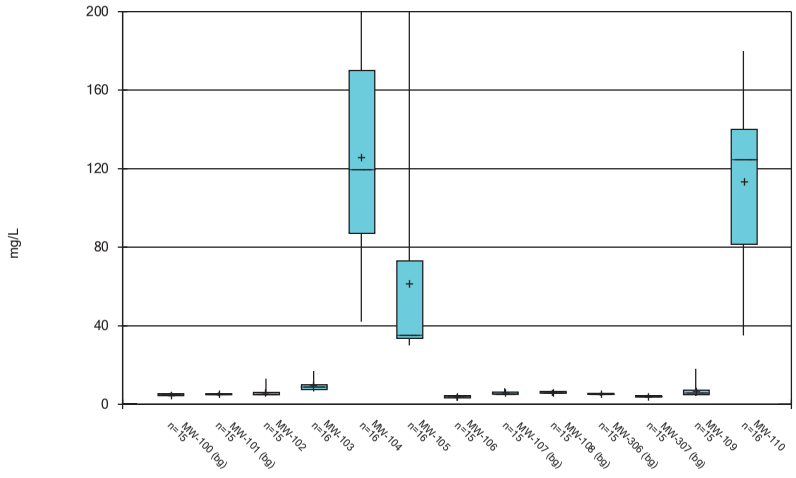
Box & Whiskers Plot



Constituent: Calcium Analysis Run 3/9/2020 10:53 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

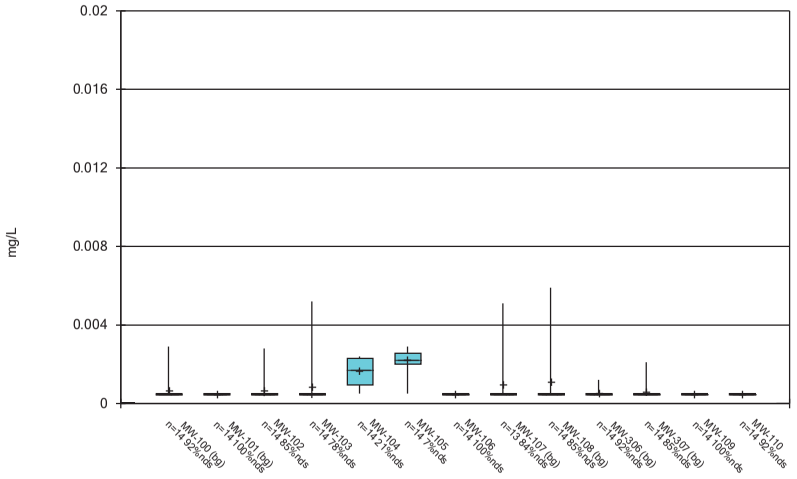
Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Chloride Analysis Run 3/9/2020 10:53 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

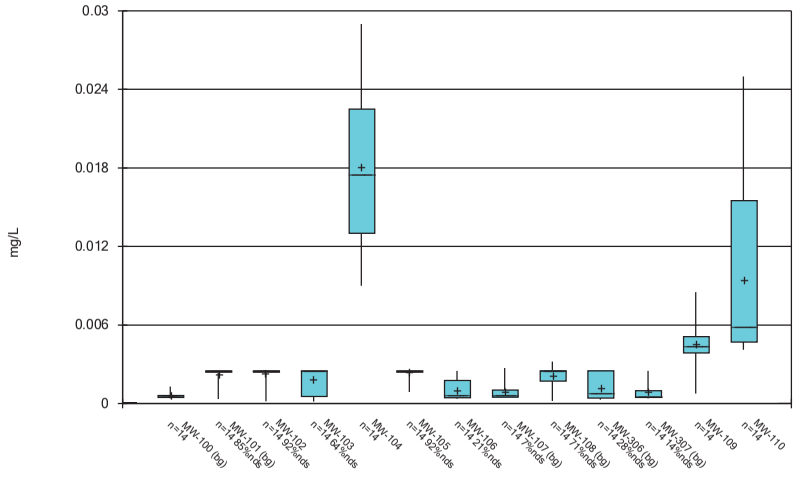
Box & Whiskers Plot



Constituent: Chromium Analysis Run 3/9/2020 10:53 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

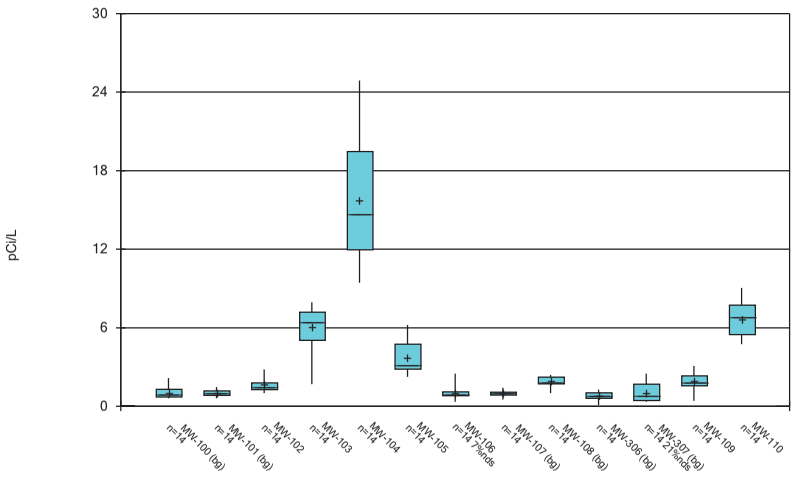
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 3/9/2020 10:54 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

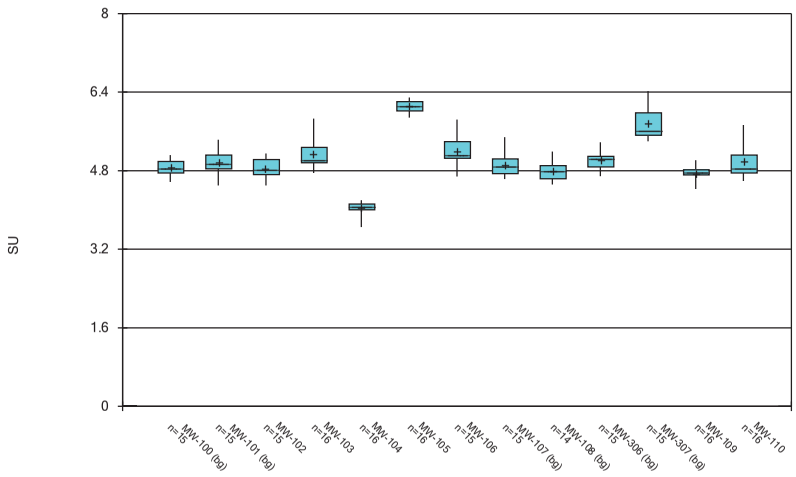
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 3/9/2020 10:54 AM View: Descriptive - 100 Serie
Plant Crist Client: Gulf Power Data: Plant Crist CCR

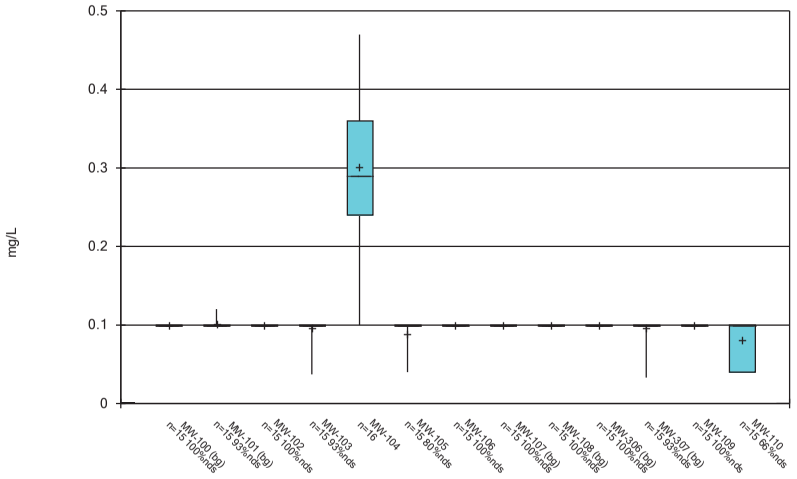
Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Field pH Analysis Run 3/9/2020 10:54 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

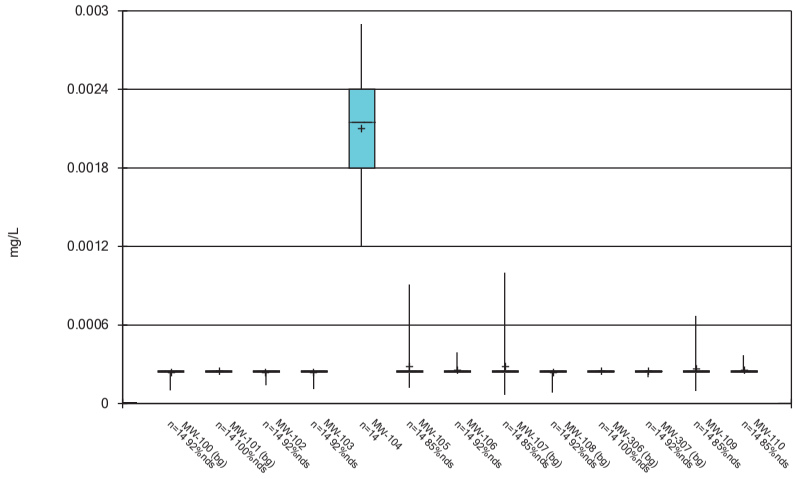
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 3/9/2020 10:54 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

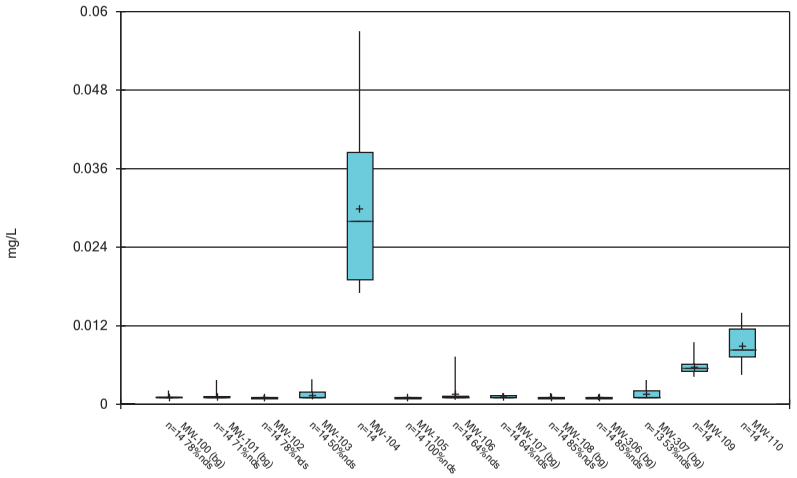
Box & Whiskers Plot



Constituent: Lead Analysis Run 3/9/2020 10:54 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

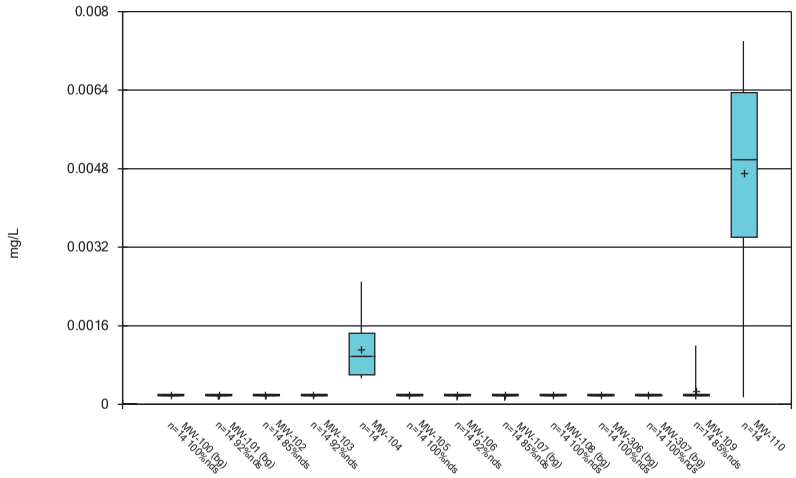
Box & Whiskers Plot



Constituent: Lithium Analysis Run 3/9/2020 10:54 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

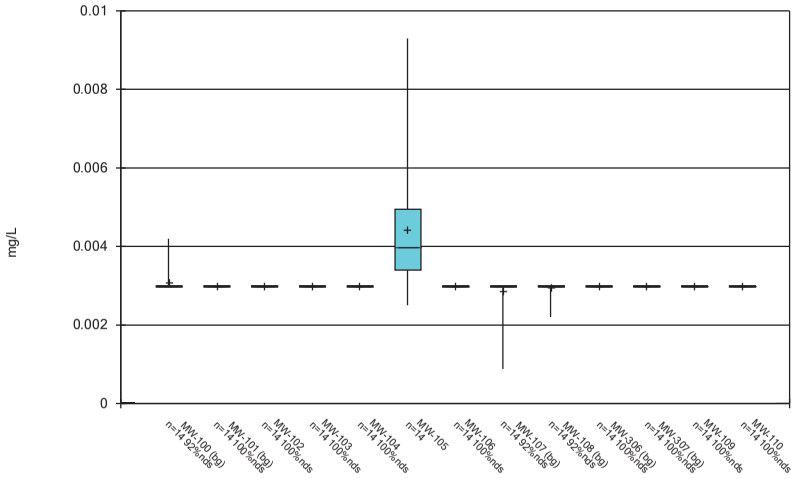
Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Mercury Analysis Run 3/9/2020 10:54 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

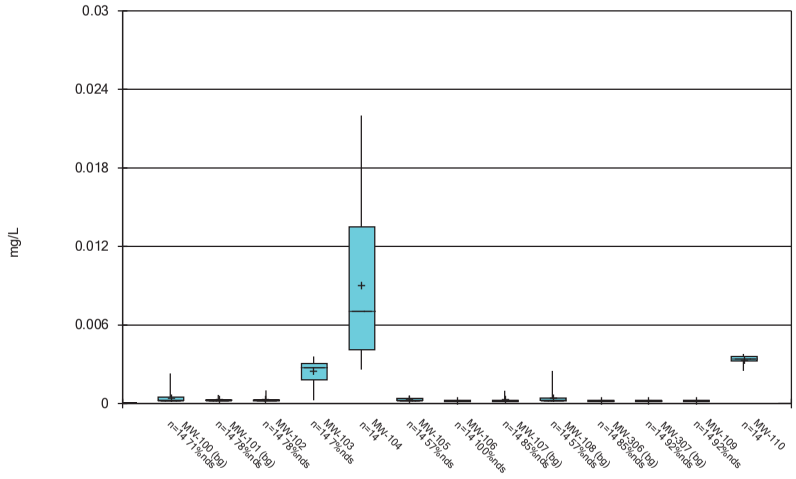
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 3/9/2020 10:54 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

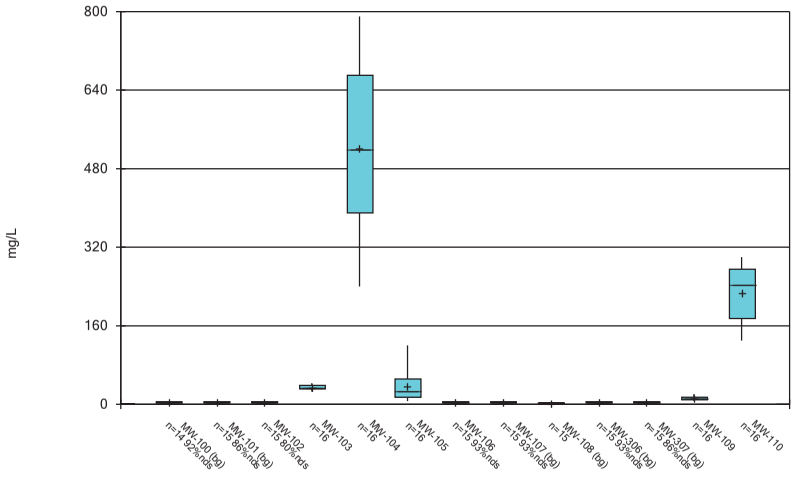
Box & Whiskers Plot



Constituent: Selenium Analysis Run 3/9/2020 10:54 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

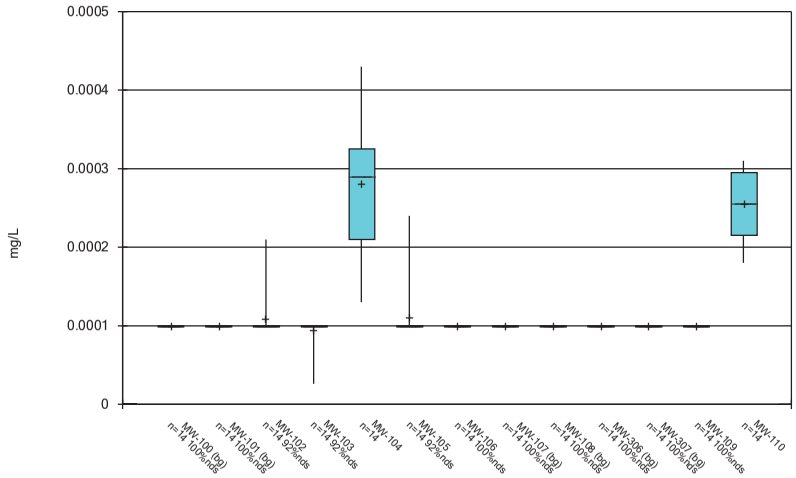
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 3/9/2020 10:54 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

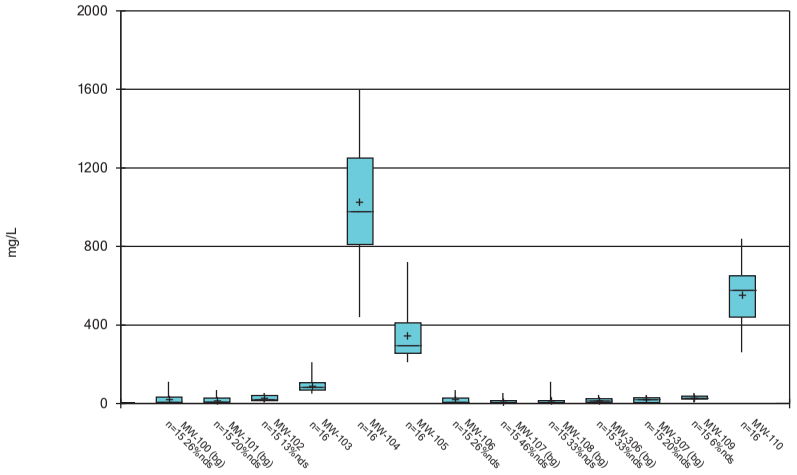
Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Thallium Analysis Run 3/9/2020 10:54 AM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Box & Whiskers Plot

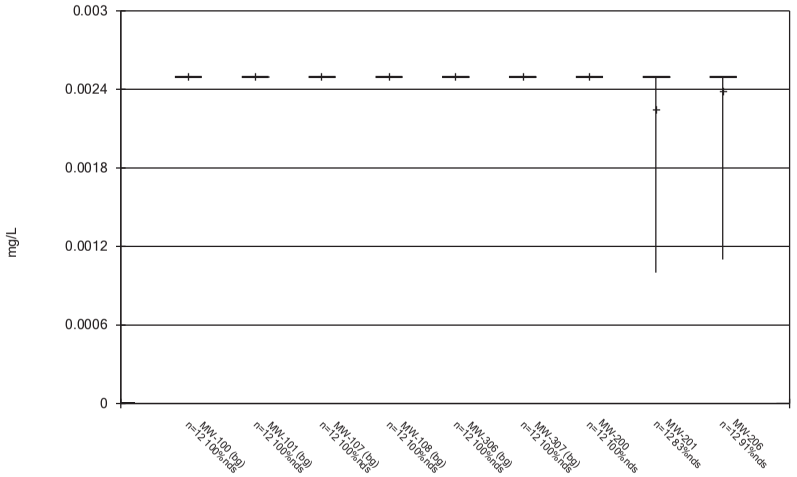


Constituent: Total Dissolved Solids Analysis Run 3/9/2020 10:54 AM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

200 Series

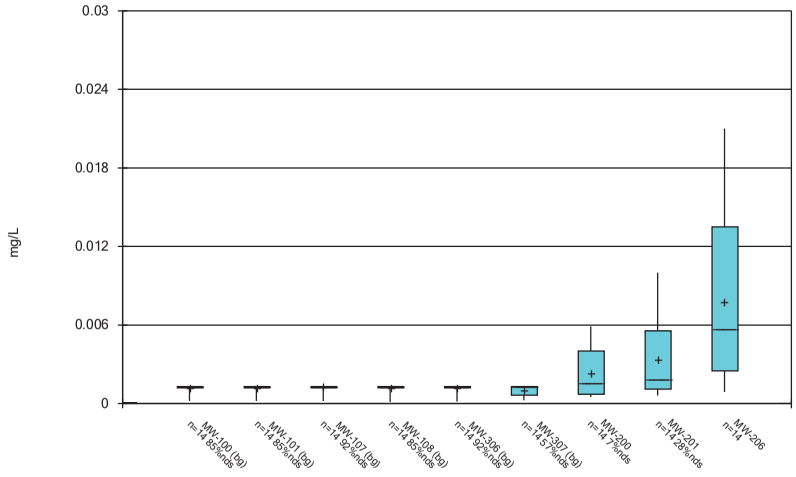
Box & Whiskers Plot



Constituent: Antimony Analysis Run 3/9/2020 11:16 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

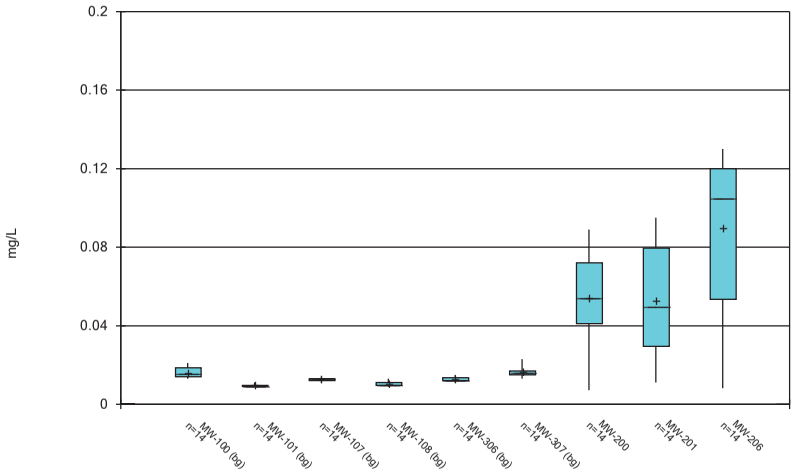
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 3/9/2020 11:16 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

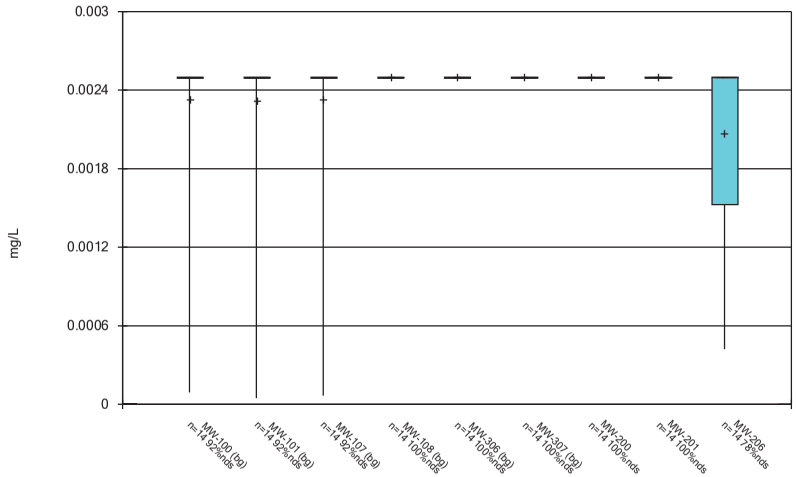
Box & Whiskers Plot



Constituent: Barium Analysis Run 3/9/2020 11:16 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

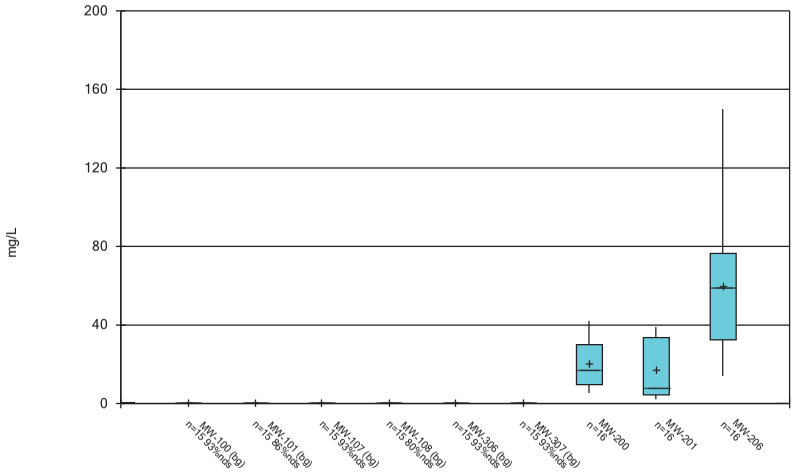
Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Beryllium Analysis Run 3/9/2020 11:16 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

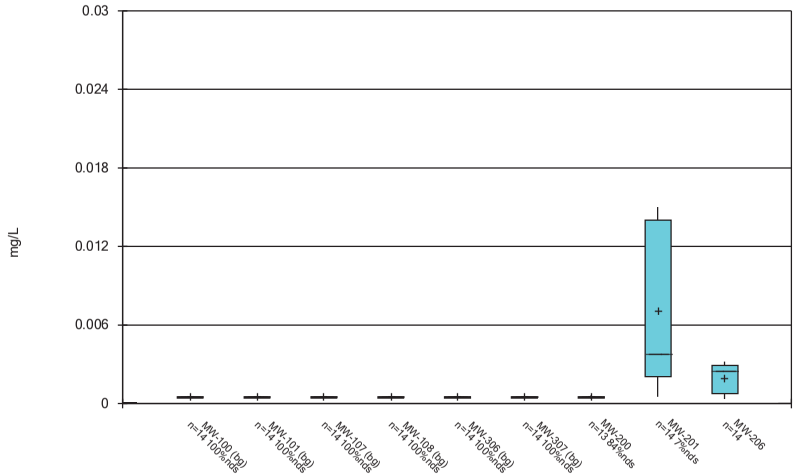
Box & Whiskers Plot



Constituent: Boron Analysis Run 3/9/2020 11:16 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

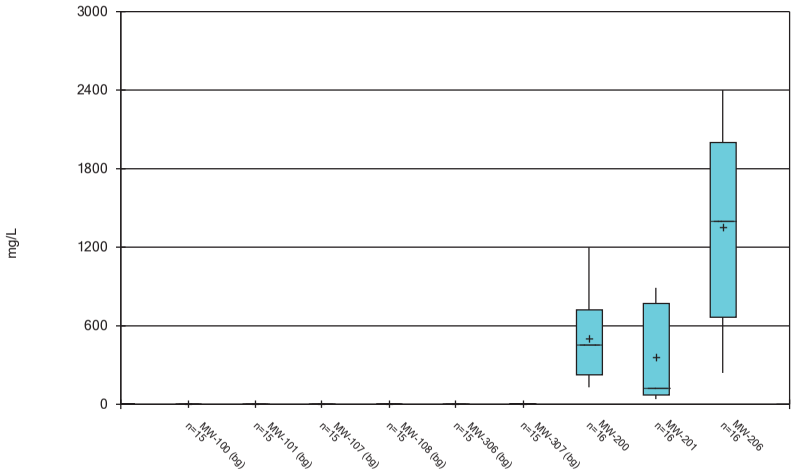
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 3/9/2020 11:16 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

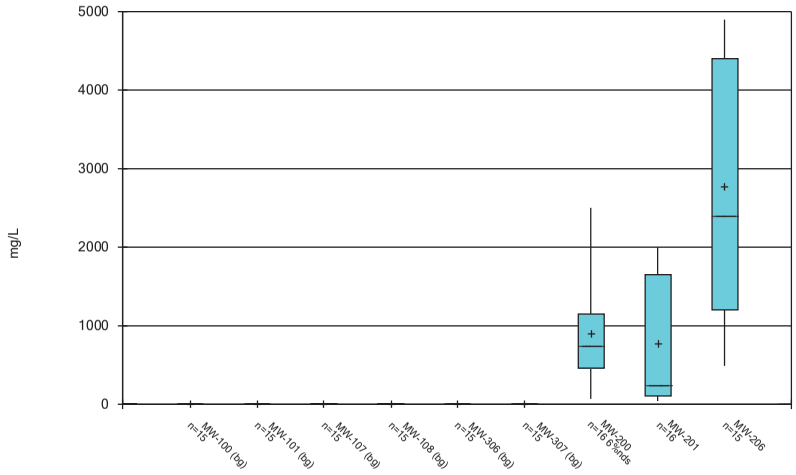
Box & Whiskers Plot



Constituent: Calcium Analysis Run 3/9/2020 11:17 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

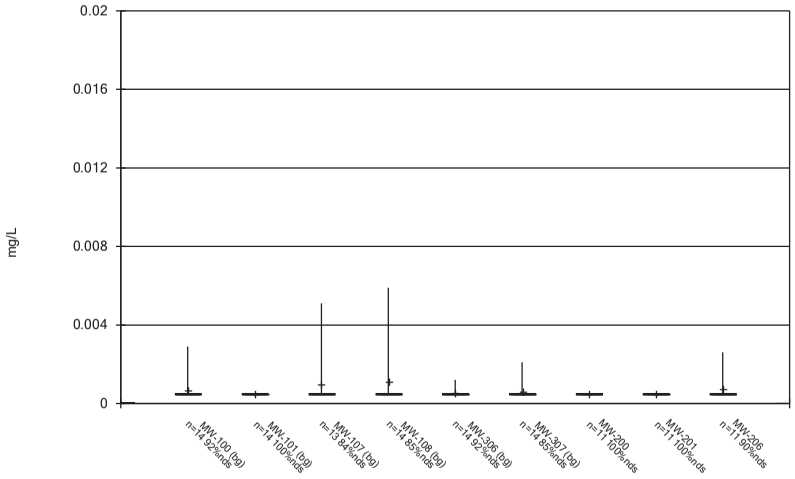
Box & Whiskers Plot



Constituent: Chloride Analysis Run 3/9/2020 11:17 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

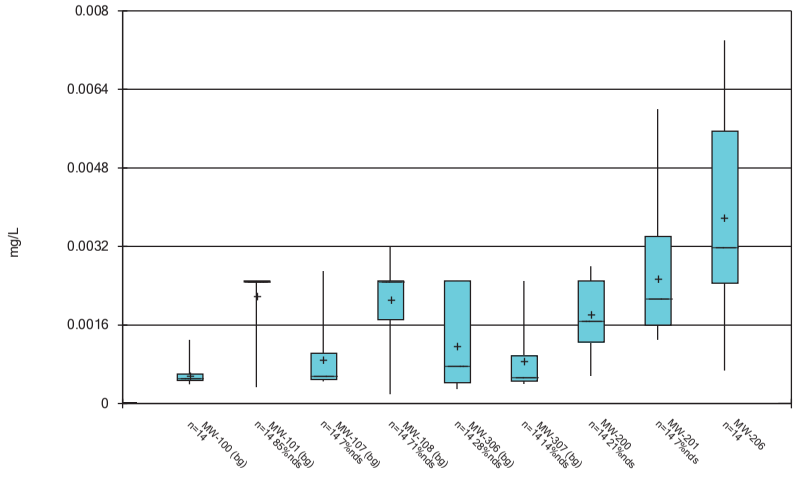
Box & Whiskers Plot



Constituent: Chromium Analysis Run 3/9/2020 11:17 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

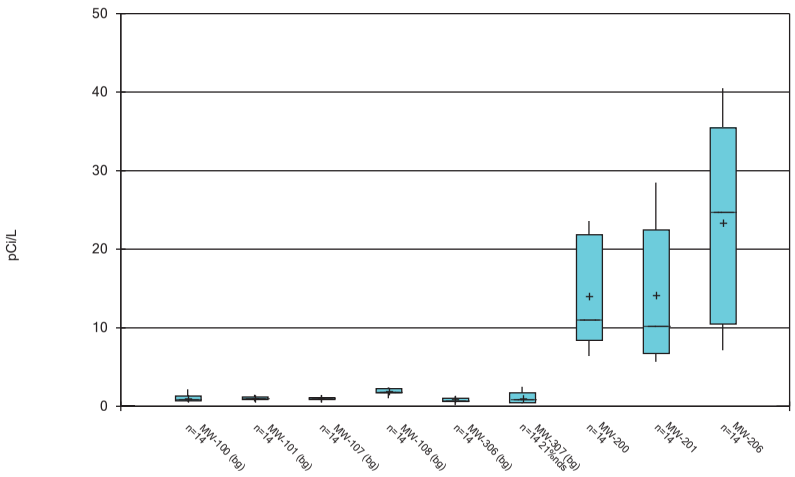
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 3/9/2020 11:17 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

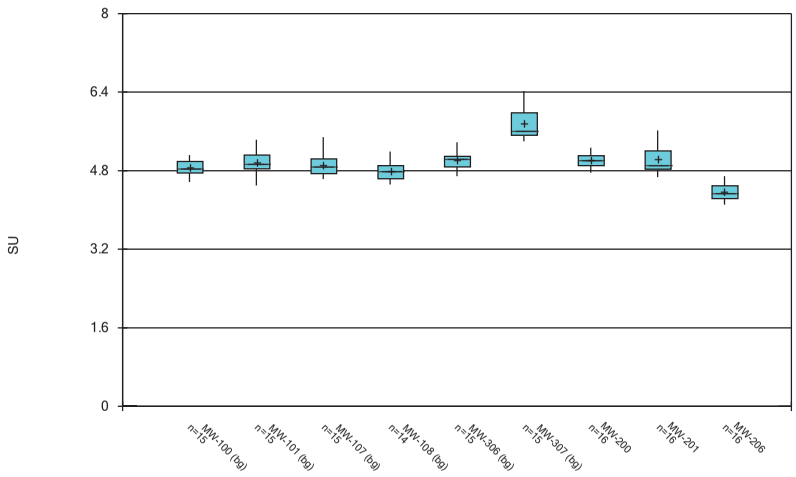
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 3/9/2020 11:17 AM View: Descriptive - 200 Serie
Plant Crist Client: Gulf Power Data: Plant Crist CCR

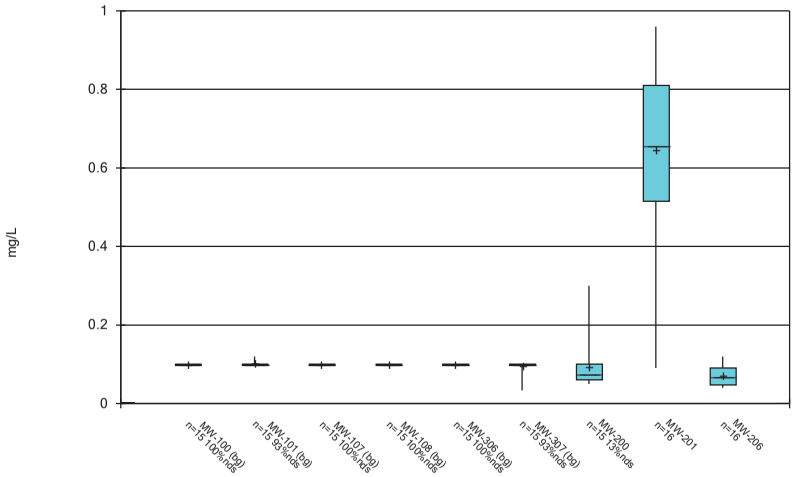
Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Field pH Analysis Run 3/9/2020 11:17 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

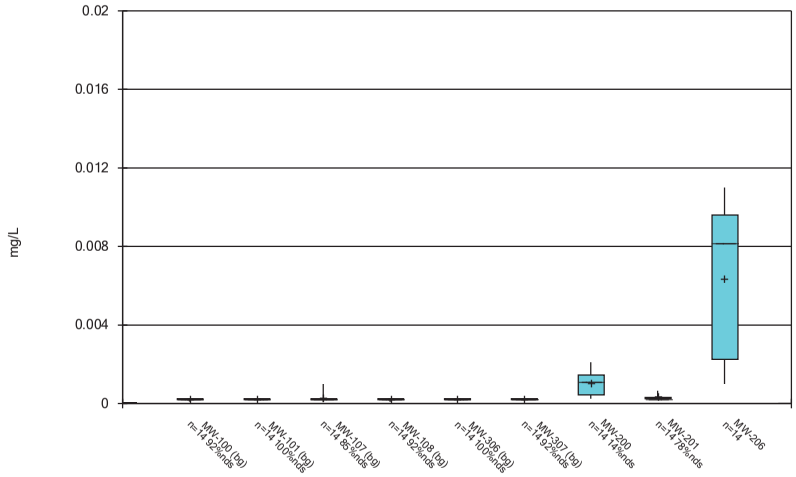
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 3/9/2020 11:17 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

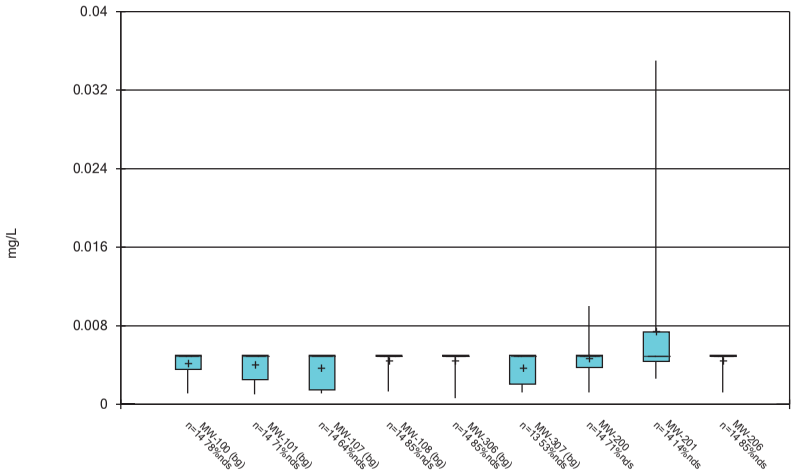
Box & Whiskers Plot



Constituent: Lead Analysis Run 3/9/2020 11:17 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

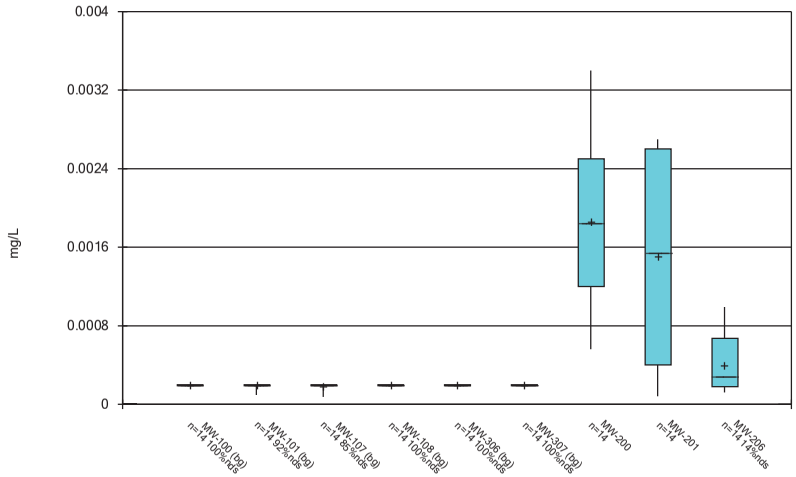
Box & Whiskers Plot



Constituent: Lithium Analysis Run 3/9/2020 11:17 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

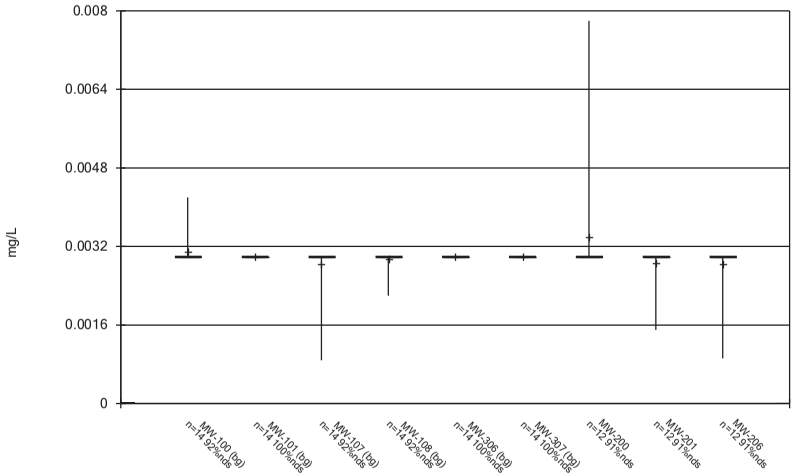
Box & Whiskers Plot



Constituent: Mercury Analysis Run 3/9/2020 11:17 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

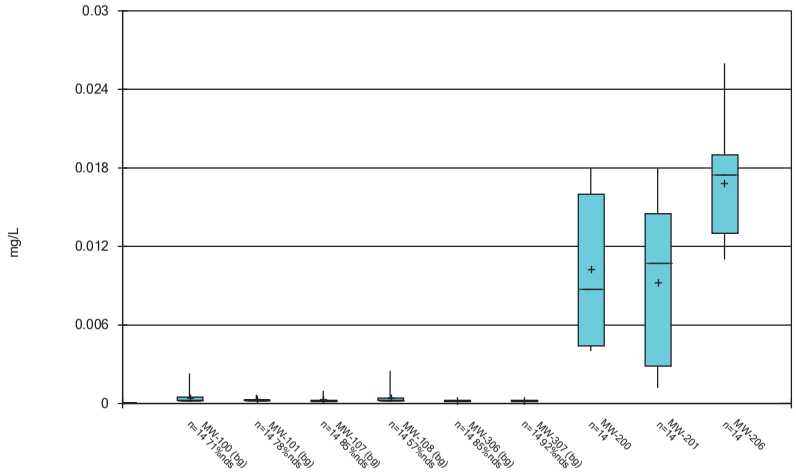
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 3/9/2020 11:17 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

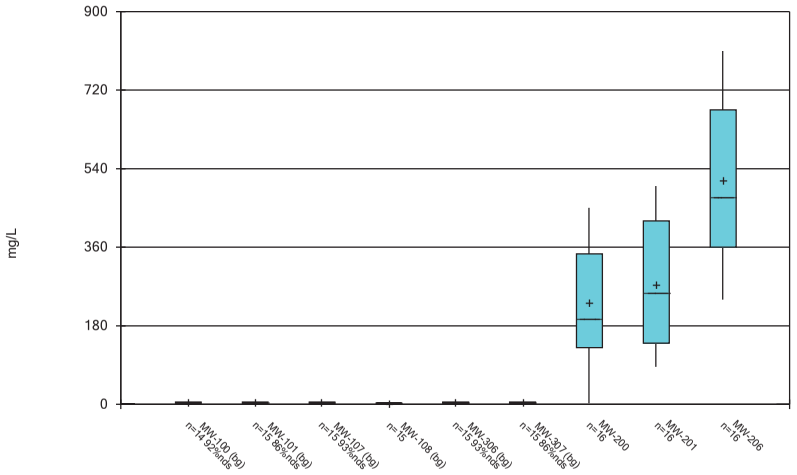
Box & Whiskers Plot



Constituent: Selenium Analysis Run 3/9/2020 11:17 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

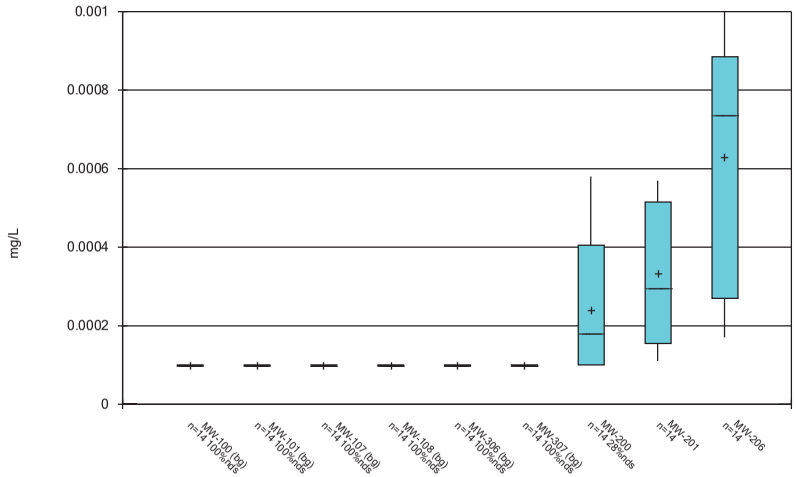
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 3/9/2020 11:17 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

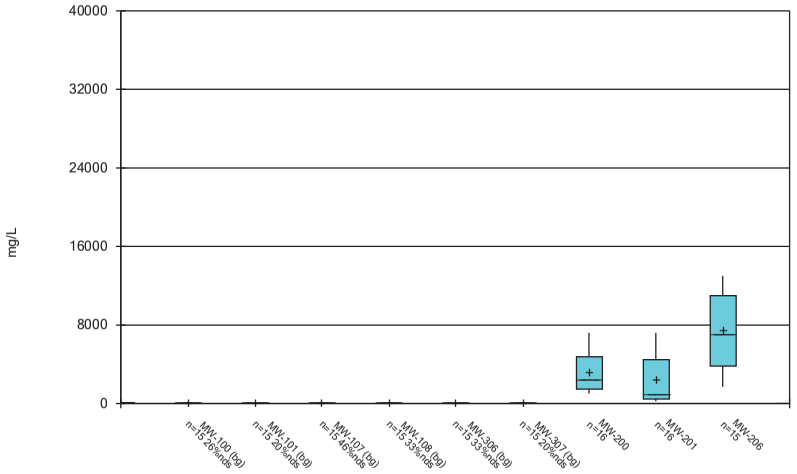
Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Thallium Analysis Run 3/9/2020 11:17 AM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Box & Whiskers Plot

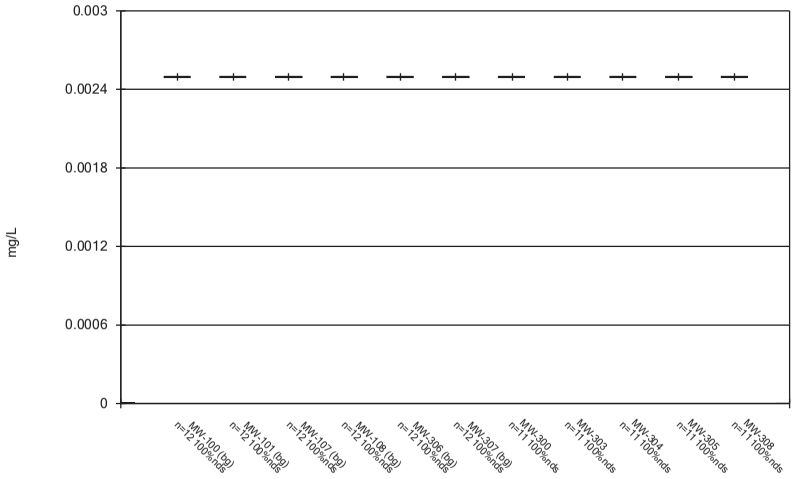


Constituent: Total Dissolved Solids Analysis Run 3/9/2020 11:17 AM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

300 Series

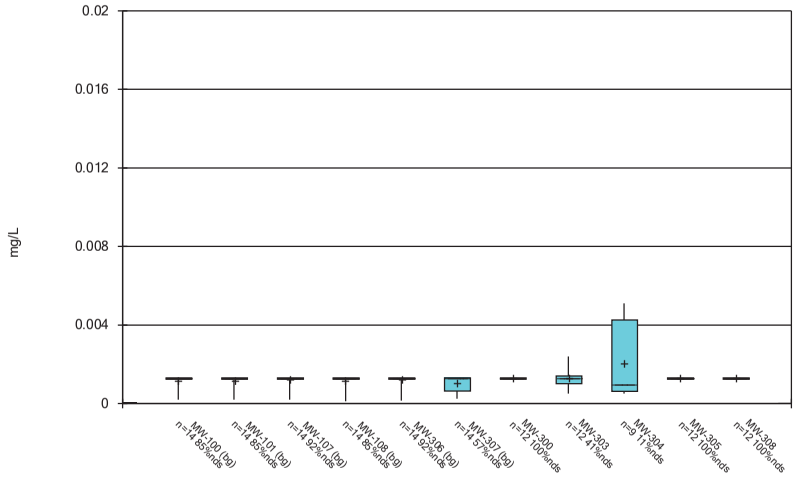
Box & Whiskers Plot



Constituent: Antimony Analysis Run 3/9/2020 11:24 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

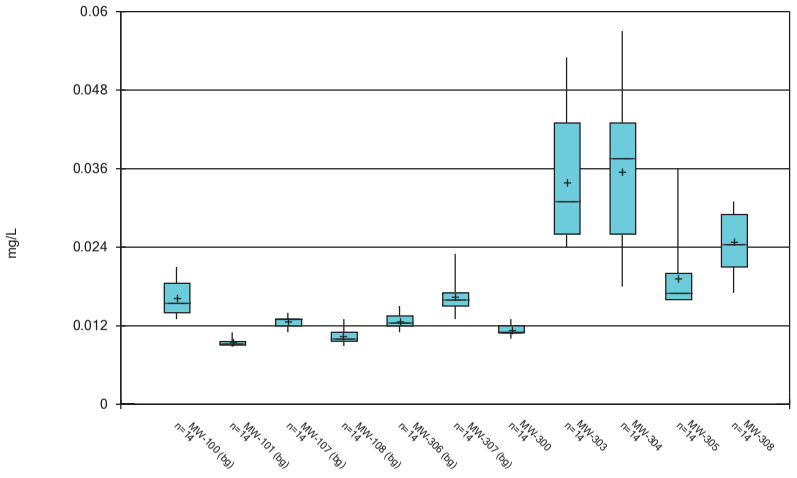
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 3/9/2020 11:24 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

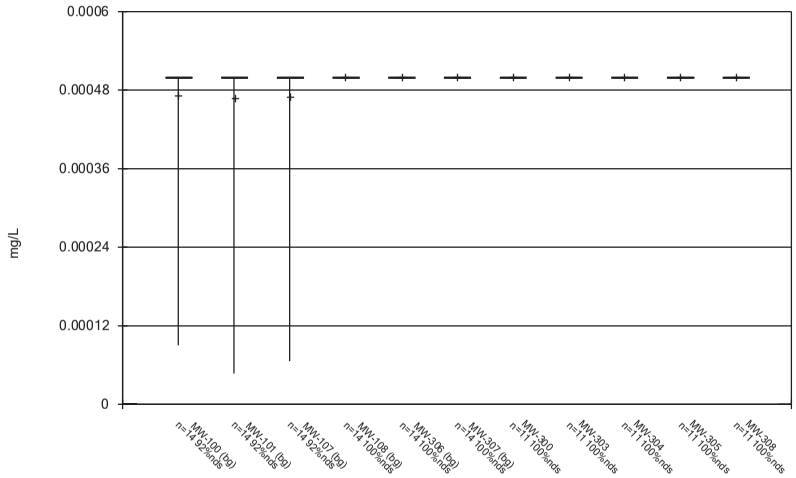
Box & Whiskers Plot



Constituent: Barium Analysis Run 3/9/2020 11:24 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

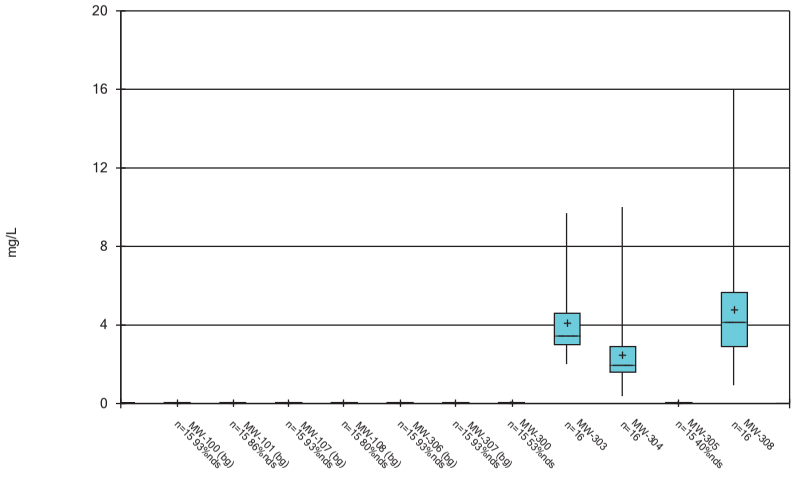
Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



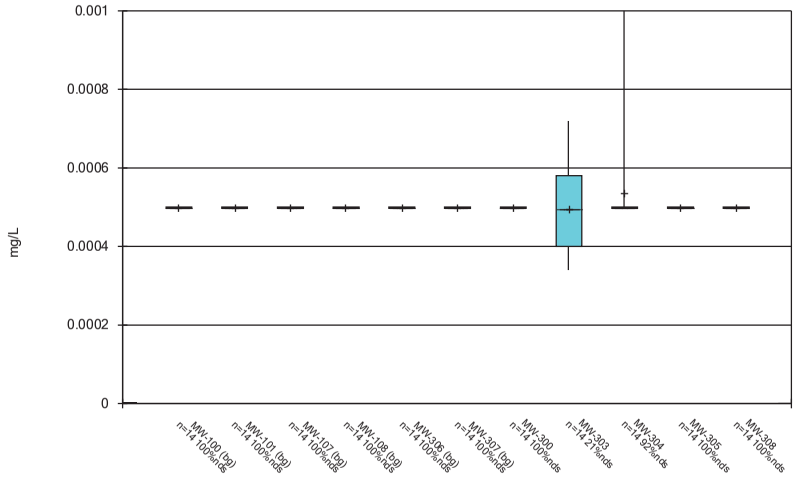
Constituent: Beryllium Analysis Run 3/9/2020 11:24 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Box & Whiskers Plot



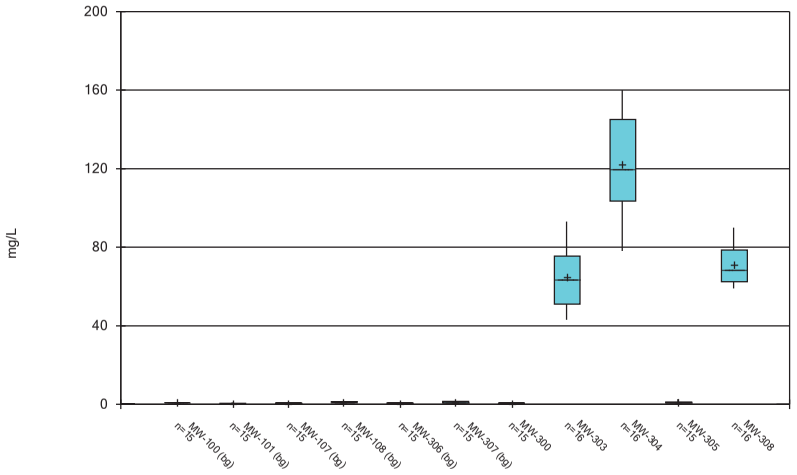
Constituent: Boron Analysis Run 3/9/2020 11:24 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Box & Whiskers Plot



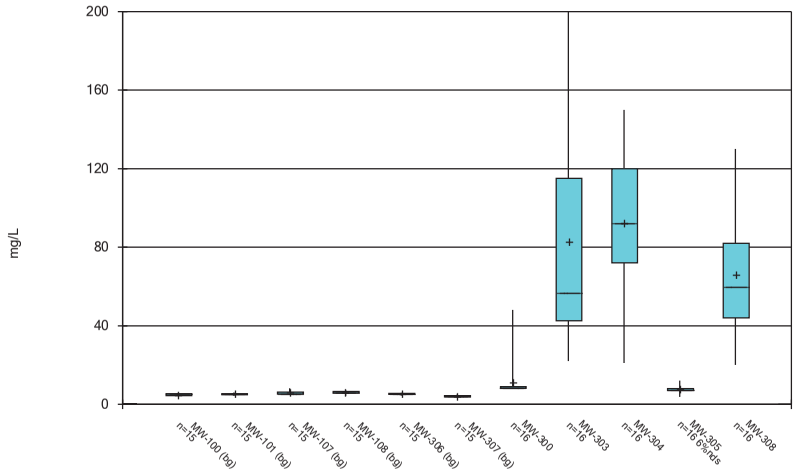
Constituent: Cadmium Analysis Run 3/9/2020 11:24 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Box & Whiskers Plot



Constituent: Calcium Analysis Run 3/9/2020 11:24 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

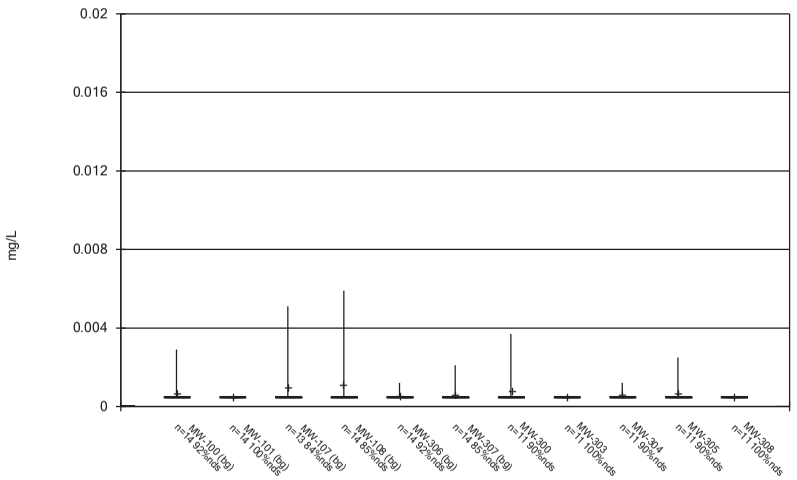
Box & Whiskers Plot



Constituent: Chloride Analysis Run 3/9/2020 11:24 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

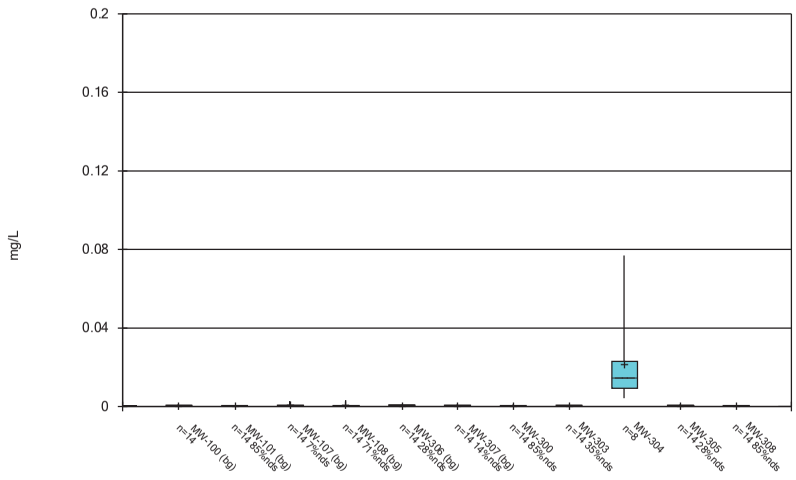
Box & Whiskers Plot



Constituent: Chromium Analysis Run 3/9/2020 11:24 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

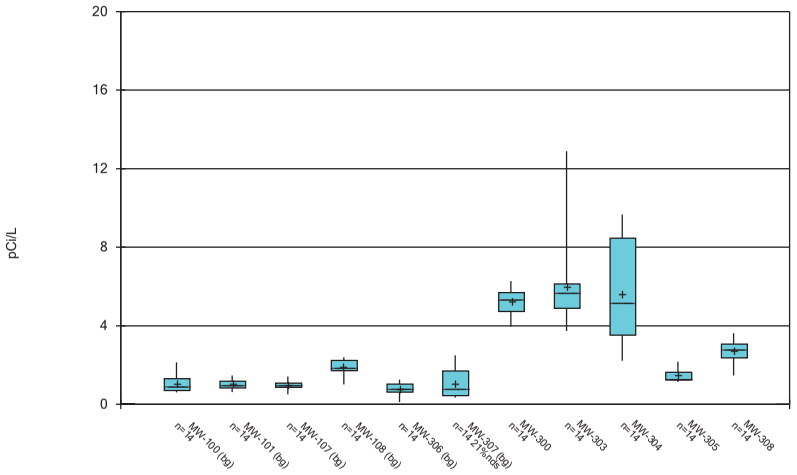
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 3/9/2020 11:24 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

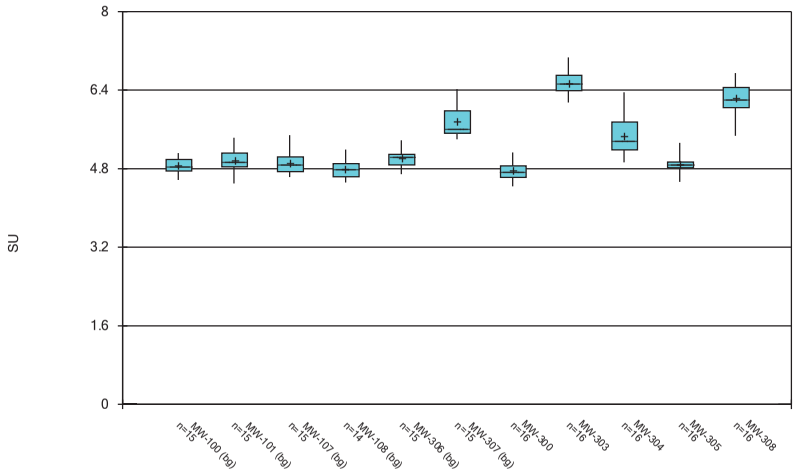
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 3/9/2020 11:24 AM View: Descriptive - 300 Serie
Plant Crist Client: Gulf Power Data: Plant Crist CCR

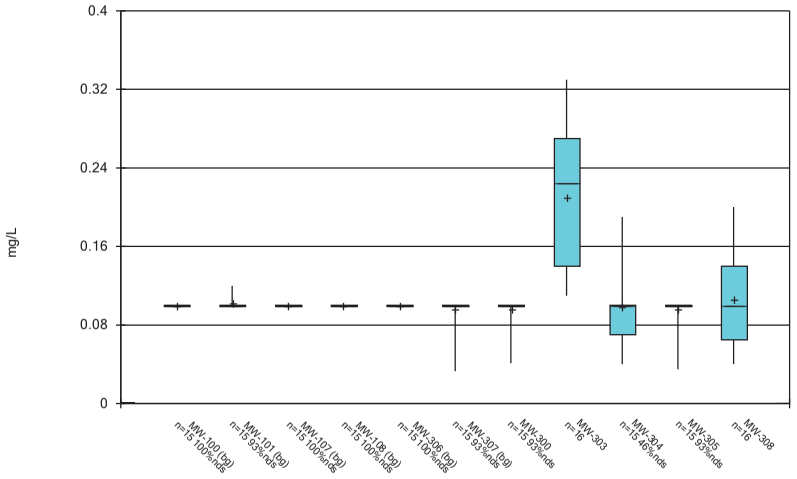
Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Field pH Analysis Run 3/9/2020 11:24 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

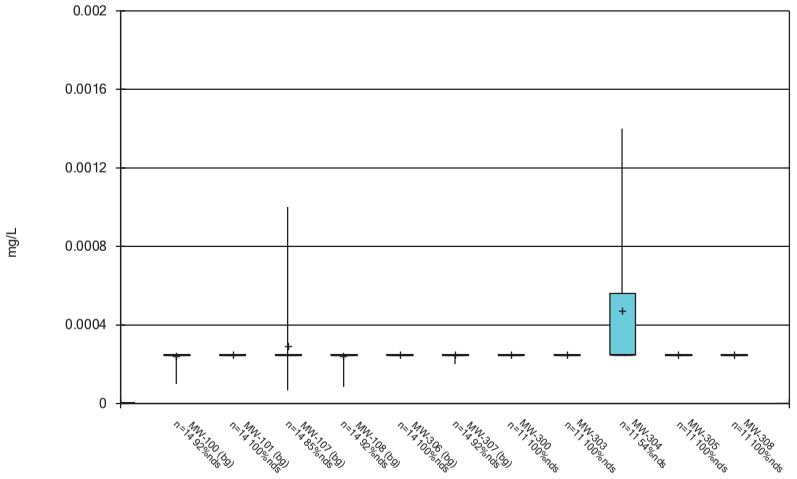
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 3/9/2020 11:24 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

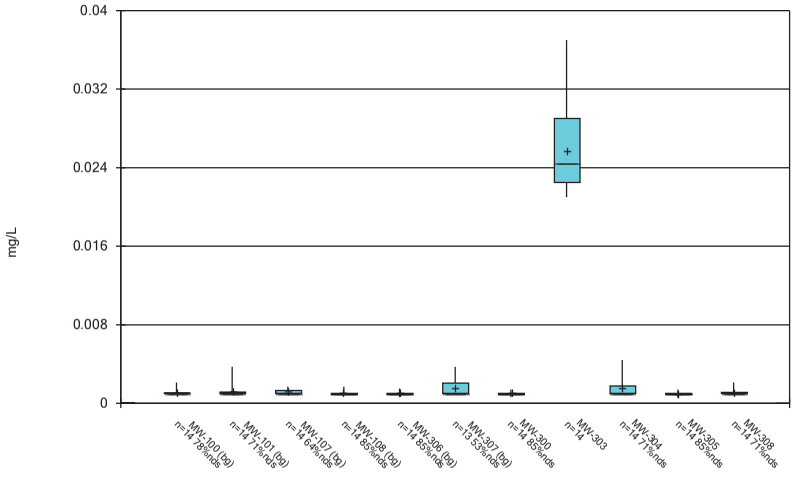
Box & Whiskers Plot



Constituent: Lead Analysis Run 3/9/2020 11:24 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

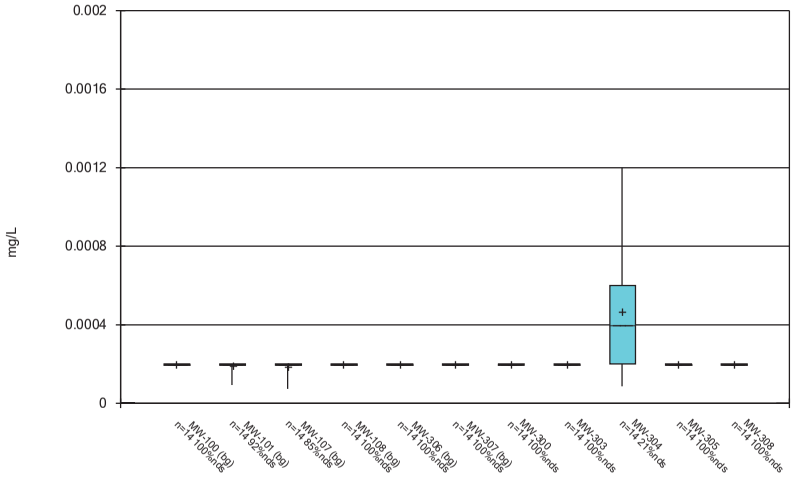
Box & Whiskers Plot



Constituent: Lithium Analysis Run 3/9/2020 11:24 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

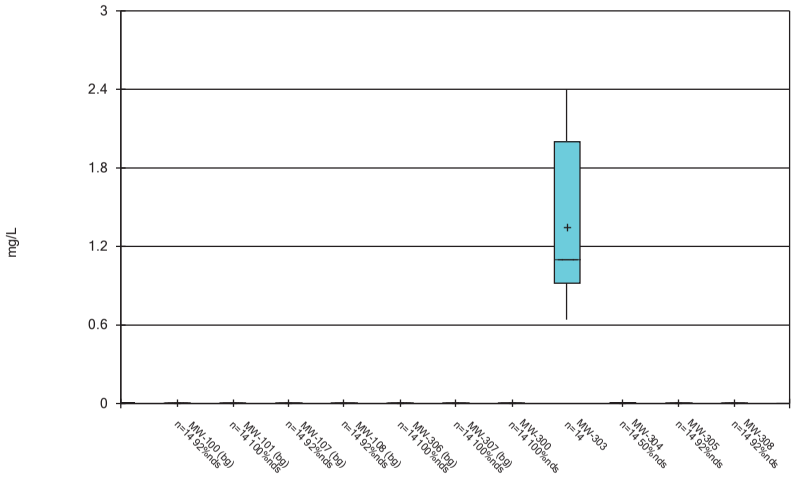
Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Mercury Analysis Run 3/9/2020 11:24 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

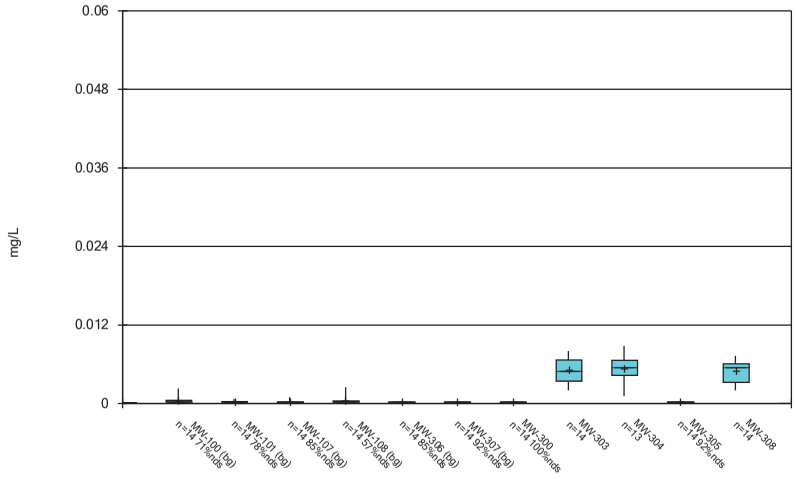
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 3/9/2020 11:24 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

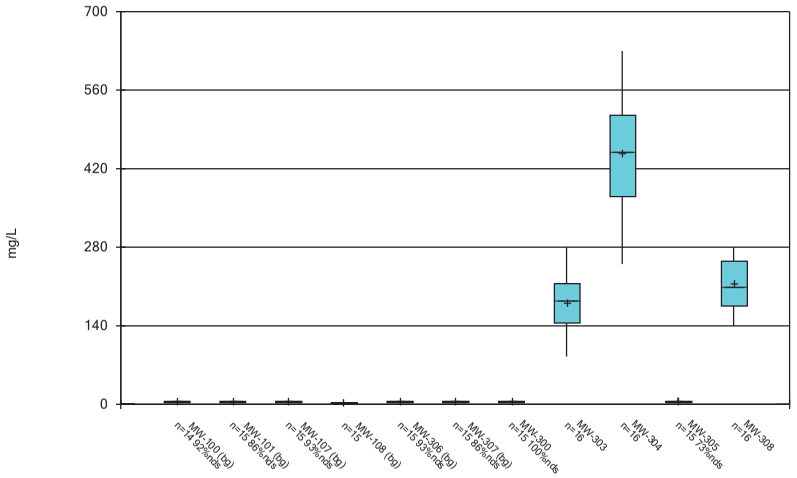
Box & Whiskers Plot



Constituent: Selenium Analysis Run 3/9/2020 11:24 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

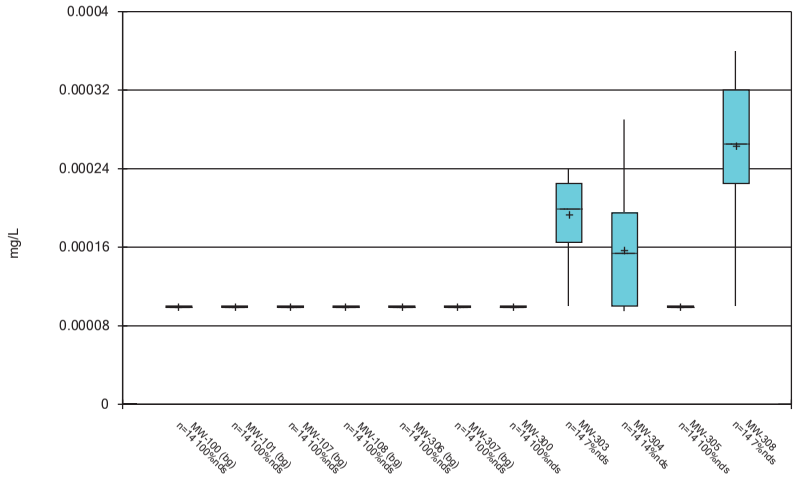
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 3/9/2020 11:24 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

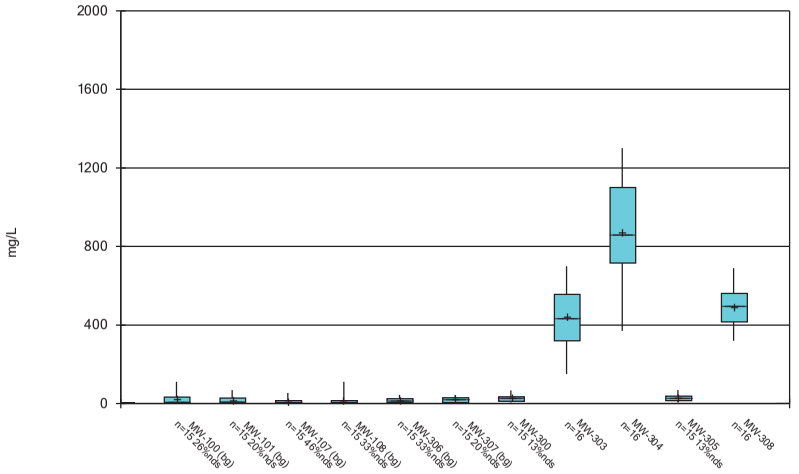
Sanitas™ v.9.6.25d Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Thallium Analysis Run 3/9/2020 11:24 AM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 3/9/2020 11:24 AM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

APPENDIX C

Statistical Analyses – April 2020
Semi-Annual Monitoring

SPRING 2020

GROUNDWATER STATISTICAL ANALYSIS

FOR GULF POWER'S

PLANT CRIST

Prepared by:

Groundwater Stats Consulting LLC

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GROUNDWATER STATS CONSULTING

June 25, 2020

Geosyntec Consultants
Attn: Mr. Benjamin K. Amos, Ph.D., P.E.
1255 Roberts Boulevard, Suite 200
Kennesaw, GA 30144

Re: Plant Crist
Statistical Analysis – April 2020 Sample Event

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 2020 sample event at Gulf Power Company's Plant Crist. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals from Electric Utilities (CCR Rule, 2015) as well as with the USEPA Unified Guidance (2009).

Sampling began at Plant Crist for the CCR program in 2016 at each of the groundwater monitoring wells. The monitoring well network for the Gypsum Storage Area originally included wells MW-202, MW-203, MW-204 and MW-205. However, further research conducted by Geosyntec Consultants, reportedly, concluded that the location of these compliance wells does not represent the zone of groundwater quality downgradient of the site and, therefore, would not identify whether groundwater is affected from practices at the site. Therefore, these wells are not included in the statistical analysis provided in this report. The monitoring well network, as provided by Geosyntec Consultants, consists of the following wells:

- **Upgradient wells:** MW-100, MW-101, MW-107, MW-108, MW-306, MW-307
- **Ash Landfill No. 1 (100 Series):** MW-102, MW-103, MW-104, MW-105, MW-106, MW-109, MW-110
- **Gypsum Storage Area (200 Series):** MW-200, MW-201, MW-206

- **Ash Landfill No. 2 (300 Series):** MW-300, MW-303, MW-304, MW-305, MW-308

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Dr. Jim Loftis, Civil & Environmental Engineering professor emeritus at Colorado State University and Senior Advisor to Groundwater Stats Consulting. The analysis is prepared according to the recommended statistical methodology provided in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting, primary author of the USEPA Unified Guidance.

The CCR program consists of the following constituents:

- **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 plots for Appendix III and IV parameters at the 100, 200 and 300 series wells are provided for these wells for the above constituents. Additionally, box plots are included for these constituents. The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells. For each of the three well series the time series and box plots for the upgradient wells are included for comparison.

Proposed background data at all wells were initially evaluated in October 2017 for the following: 1) outliers; 2) trends; 3) most appropriate statistical method for Appendix III parameters based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. A summary of those findings, along with the background update that was performed in March 2020 is provided below.

Power curves were provided during the screening to demonstrate that the selected statistical methods for Appendix III parameters comply with the USEPA Unified Guidance. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. Power curves were based on the following:

CCR Appendix III Constituents:

Ash Landfill No. 1 (100 Series Wells)

- Semi-Annual Sampling
- Interwell Prediction Limits with 1-of-2 resample plan – (boron, calcium, chloride, fluoride, pH, sulfate, and TDS)
- # Constituents: 7
- # Downgradient wells: 7

Gypsum Storage Area (200 Series Wells)

- Semi-Annual Sampling
- Interwell Prediction Limits with 1-of-2 resample plan – (boron, calcium, chloride, fluoride, sulfate, and TDS)
- Intrawell Prediction Limits with 1-of-2 resample plan – (pH)
- # Constituents: 7
- # Downgradient wells: 3
-

Ash Landfill No. 2 (300 Series Wells)

- Semi-Annual Sampling
- Interwell Prediction Limits with 1-of-2 resample plan – (boron, calcium, chloride, fluoride, sulfate, and TDS)
- Intrawell Prediction Limits with 1-of-2 resample plan – (pH)
- # Constituents: 7
- # Downgradient wells: 5

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 nondetects, 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% nondetects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% nondetects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for nondetects is the practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% nondetects, the Kaplan-Meier nondetect 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% nondetects.

Due to varying detection limits in background data sets due to improved laboratory practices, a substitution of the most recent reporting limit is used for all nondetects. Note that the most recent reporting limit for antimony 0.0005 mg/L was replaced with a historical reporting limit of 0.0025 mg/L to maintain previous statistical limits.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the intrawell case, data for all wells and constituents may re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In some cases, an earlier portion of data is deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs. Background data were updated during the Fall 2019 analysis, and a summary of those results is discussed below.

Summary of October 2017 Background Screening

Outlier and Trend Testing

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not conservative from a regulatory perspective, in proposed background data. Suspected outliers at all wells for Appendix III and Appendix IV parameters were formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits. The results of those findings were submitted with the October 2017

report. These values maybe also be seen on the time series graphs as disconnected points and on the data pages in a lighter font.

No seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

While trends may be visually identified, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test was used to evaluate all data at each well to identify statistically significant increasing or decreasing trends. In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant decreasing trends are present, earlier data are evaluated to determine whether earlier concentration levels are significantly different than current reported concentrations and will be deselected as necessary. When the historical records of data are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits.

The results of the trend analyses, which were presented with the screening report, showed a few statistically significant trends. All trends noted were relatively low in magnitude when compared to average concentrations. Therefore, no adjustments were necessary.

Appendix III – Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells, which assists in identifying the most appropriate statistical approach. Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells would not be conservative from a regulatory perspective; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter.

The ANOVA identified variation among upgradient well data at Plant Crist for the following Appendix III parameters: calcium, chloride, pH, and sulfate. No statistically

significant variation was noted for boron, fluoride or TDS, making these constituents eligible for interwell analyses. All other constituents were further evaluated as described below for the appropriateness of intrawell testing to accommodate the groundwater quality.

Appendix III – Intrawell Method Eligibility Screening

Intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are conservative (i.e. lower) from a regulatory perspective, and that will rapidly identify a change in more recent compliance data from within a given well. This statistical method removes the element of variation from across wells and eliminates the chance of mistaking natural spatial variation for a release from the facility. Prior to performing intrawell prediction limits, several steps are required to reasonably demonstrate that downgradient water quality does not have existing impacts from the practices of the facility.

Exploratory data analysis was used as a general comparison of concentrations in downgradient wells for all Appendix III parameters recommended for intrawell analyses to concentrations reported in upgradient wells. Upper tolerance limits are used in conjunction with confidence intervals when determining whether the estimated averages in downgradient wells are higher than observed levels upgradient of the facility. The upper tolerance limits were constructed to represent the extreme upper range of potential background levels at the site.

Either parametric or nonparametric tolerance limits are calculated based on the data characteristics that are described below for prediction limits. Parametric tolerance limits (for normal or transformed-normally distributed data) were constructed with a target of 99% confidence and 95% coverage using pooled upgradient well data for each of the Appendix III parameters recommended for intrawell analyses. For non-normal data, nonparametric tolerance limits are used. The confidence and coverage levels for nonparametric tolerance limits are dependent upon the number of background samples. As more data are collected, the background population is better represented, and the confidence and coverage levels increase.

Confidence intervals were constructed on downgradient wells for each of the Appendix III parameters exhibiting spatial variation, using the tolerance limits discussed above, to determine intrawell eligibility. Either parametric or nonparametric confidence intervals were constructed as appropriate. When the entire confidence interval is above the background limit for a given parameter, interwell methods are initially recommended as the statistical method. Note that this screening identifies whether confidence intervals are

above a background limit but does not identify the reason for this occurrence. Therefore, only the wells/parameters with confidence intervals which did not exceed background limits are eligible for intrawell prediction limits.

Confidence intervals for Appendix III parameters were found to be above the background standards in at least one well for each parameter at Ash Landfill No. 1; therefore, interwell prediction limits are recommended initially for all Appendix III parameters at this unit. Confidence intervals were above background standards for all parameters except pH at the Gypsum Storage Area and Ash Landfill No. 2. Therefore, intrawell methods may be used for pH and interwell methods for all other Appendix III parameters at these two units. The results of the upper tolerance limits calculations and confidence interval comparisons were presented in the background screening report.

If further evaluation confirms natural variation in groundwater at these downgradient wells, intrawell methods will be considered for these parameters. In cases where downgradient average concentrations are higher than observed 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 Summary – Conducted in March 2020

Prior to performing prediction limits, proposed background data through March 2019 were reviewed to identify any newly suspected outliers at all wells for pH for intrawell testing, and through June 2019 at upgradient wells for boron, calcium, chloride, fluoride, pH, sulfate and TDS for interwell testing. Visual screening is used to identify potential outliers using time series graphs. When necessary, Tukey's outlier test is used to formally test suspected outliers. No additional outlier testing was required during this analysis. Previously flagged values were excluded to reduce variation, better represent background conditions, and provide limits that are conservative from a regulatory perspective. As mentioned above, flagged data are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the accompanying data pages. A summary of flagged values follows this letter.

For pH which required intrawell prediction limits, the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through May 2017 to more recent compliance samples through March 2019 at each of the 200 and 300 series wells and upgradient wells to evaluate whether the groups are statistically similar at the 99% confidence level. If no statistically significant difference is found, background data may be updated with compliance data. No statistically significant differences were found between the two groups for pH except at the Gypsum Storage Area for well MW-201. However, the measurements range from 5.62 s.u. to 4.71 s.u., which is in line with concentrations in the other wells, and show only a slight decrease in more recent data. Therefore, the background data were updated and will be re-evaluated during the next background update. All background data sets were updated.

In the future, if the test concludes that the medians of the two groups are significantly different, particularly in the downgradient wells, the background data may not be updated to include the newer data, but will be reconsidered in the future. A summary of these results was submitted with the report.

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. Statistically significant decreasing trends were identified; however, the magnitudes of the trends were low relative to average concentrations, and no adjustment of the records was required. A summary of the trend test results was submitted with the background update report.

Statistical Analysis of Appendix III Parameters – April 2020

Intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are representative of the background data population, and that will rapidly identify a change in more recent compliance data from within a given well. This statistical method removes the element of variation from across wells and eliminates the chance of mistaking natural spatial variation for a release from the facility.

Intrawell prediction limits, combined with a 1-of-2 resample plan, using background data through March 2019, are used to evaluate pH at the Gypsum Storage Area and at Landfill No. 2 due to natural spatial variation for this parameter. However, only the 200 and 300

series wells were eligible for intrawell testing for pH, as discussed earlier. The 100 series wells, therefore, utilize interwell prediction limits for pH.

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. All available upgradient well data through April 2020 were used to establish interwell prediction limits, based on a 1-of-2 resample plan, for all Appendix III parameters except for pH at the 200 and 300 series 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. Exceedances were noted at each of the units, and the results may be found following this letter in the Prediction Limit Summary Tables.

When prediction limit exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable. Upgradient wells are included in the trend analyses for all parameters found to exceed their prediction limit in downgradient wells to identify whether similar patterns exist upgradient of the site, which is an indication of natural variability in groundwater unrelated to practices at the site. A summary of the trend test results follows this letter.

Evaluation of Appendix IV Parameters – April 2020

Interwell tolerance limits, as appropriate, were used to calculate background limits from pooled upgradient well data for Appendix IV parameters, with a target of 95% confidence and 95% coverage for parametric limits. Parametric tolerance limits are used when data follow a normal or transformed-normal distribution as do barium and combined radium 226 + 228. When data contained greater than 50% nondetects or did not follow a normal or transformed-normal distribution, non-parametric tolerance limits were used. These limits were compared to the Maximum Contaminant Levels (MCLs) and CCR rule-specified

levels to determine the highest limit for use as the GWPS in the Confidence Interval comparisons.

Confidence intervals were then constructed on downgradient wells, using all historical data within a given well, for each of the Appendix IV parameters and compared to the highest limit of either the MCL or rule-specified level as discussed above. For cobalt in well MW-304, samples prior to 2017 have been deselected to use at a minimum, the most recent 8 samples in constructing the confidence interval, rather than the entire data set in order to reflect present-day concentrations. The modified date range is shown in the Date Range Table following this letter. The historical data for this constituent had higher concentrations due to a broken pipe that influenced groundwater quality at this well. Concentrations, as expected, have continued to decrease since the pipe was fixed.

Only when the entire confidence interval is above a GWPS is the well/constituent pair considered to exceed its respective standard. Tables of the upper tolerance limits, confidence intervals along with graphical comparisons against standards, and significant results (exceedances) follow this letter.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Crist. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Andrew T. Collins
Groundwater Analyst



Kristina L. Rayner
Groundwater Statistician

Date Ranges

Date: 6/22/2020 4:31 PM

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Cobalt (mg/L)

MW-304 overall:1/10/2017-4/22/2020

Outlier Summary

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/25/2020, 8:49 AM

	MW-304 Arsenic (mg/L)	MW-200 Cadmium (mg/L)	MW-206 Chloride (mg/L)	MW-107 Chromium (mg/L)	MW-304 Cobalt (mg/L)	MW-108 Field pH (SU)	MW-307 Lithium (mg/L)	MW-304 Selenium (mg/L)	MW-100 Sulfate (mg/L)	MW-206 Total Dissolved Solids (mg/L)
3/2/2016		0.022 (o)								32000 (o)
3/3/2016	0.009 (o)									
5/2/2016									15 (o)	
5/4/2016	0.019 (o)									
7/5/2016			360 (o)			7.11 (o)				
7/6/2016	0.014 (o)									
11/7/2016							0.0097 (o)			
1/9/2017				0.017 (o)						
1/10/2017					0.077 (o)					
10/17/2018								0.05 (o)		

Appendix III Interwell Prediction Limits - 100 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/22/2020, 2:48 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-103	0.081	n/a	4/17/2020	0.31	Yes	96	n/a	n/a	84.38	n/a	n/a	0.0002106	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-104	0.081	n/a	4/18/2020	11	Yes	96	n/a	n/a	84.38	n/a	n/a	0.0002106	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-105	0.081	n/a	4/18/2020	1.7	Yes	96	n/a	n/a	84.38	n/a	n/a	0.0002106	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-109	0.081	n/a	4/17/2020	0.83	Yes	96	n/a	n/a	84.38	n/a	n/a	0.0002106	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-110	0.081	n/a	4/17/2020	4.6	Yes	96	n/a	n/a	84.38	n/a	n/a	0.0002106	NP Inter (NDs) 1 of 2
Calcium (mg/L)	MW-103	1.426	n/a	4/17/2020	3.5	Yes	96	0.8884	0.1259	0	None	x^(1/3)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	MW-104	1.426	n/a	4/18/2020	62	Yes	96	0.8884	0.1259	0	None	x^(1/3)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	MW-105	1.426	n/a	4/18/2020	58	Yes	96	0.8884	0.1259	0	None	x^(1/3)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	MW-109	1.426	n/a	4/17/2020	5.2	Yes	96	0.8884	0.1259	0	None	x^(1/3)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	MW-110	1.426	n/a	4/17/2020	29	Yes	96	0.8884	0.1259	0	None	x^(1/3)	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-103	6.765	n/a	4/17/2020	20	Yes	96	5.206	0.8278	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-104	6.765	n/a	4/18/2020	130	Yes	96	5.206	0.8278	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-105	6.765	n/a	4/18/2020	73	Yes	96	5.206	0.8278	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-109	6.765	n/a	4/17/2020	29	Yes	96	5.206	0.8278	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-110	6.765	n/a	4/17/2020	120	Yes	96	5.206	0.8278	0	None	No	0.001075	Param Inter 1 of 2
Field pH (SU)	MW-104	6.42	4.5	4/18/2020	4.08	Yes	95	n/a	n/a	0	n/a	n/a	0.00043	NP Inter (normality) 1 of 2
Fluoride (mg/L)	MW-104	0.12	n/a	4/18/2020	0.3	Yes	96	n/a	n/a	97.92	n/a	n/a	0.0002106	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-103	5	n/a	4/17/2020	31	Yes	95	n/a	n/a	75.79	n/a	n/a	0.000215	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-104	5	n/a	4/18/2020	670	Yes	95	n/a	n/a	75.79	n/a	n/a	0.000215	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-105	5	n/a	4/18/2020	32	Yes	95	n/a	n/a	75.79	n/a	n/a	0.000215	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-109	5	n/a	4/17/2020	12	Yes	95	n/a	n/a	75.79	n/a	n/a	0.000215	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-110	5	n/a	4/17/2020	280	Yes	95	n/a	n/a	75.79	n/a	n/a	0.000215	NP Inter (NDs) 1 of 2
Total Dissolved Solids (mg/L)	MW-104	110	n/a	4/18/2020	1100	Yes	96	n/a	n/a	28.13	n/a	n/a	0.0002106	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-105	110	n/a	4/18/2020	180	Yes	96	n/a	n/a	28.13	n/a	n/a	0.0002106	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-110	110	n/a	4/17/2020	600	Yes	96	n/a	n/a	28.13	n/a	n/a	0.0002106	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - 100 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/22/2020, 2:48 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-102	0.081	n/a	4/18/2020	0.012	No	96	n/a	n/a	84.38	n/a	n/a	0.0002106	NP Inter (NDs) 1 of 2
Boron (mg/L)	**MW-103**	**0.081**	**n/a**	**4/17/2020**	**0.31**	**Yes**	**96**	**n/a**	**n/a**	**84.38**	**n/a**	**n/a**	**0.0002106**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-104**	**0.081**	**n/a**	**4/18/2020**	**11**	**Yes**	**96**	**n/a**	**n/a**	**84.38**	**n/a**	**n/a**	**0.0002106**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-105**	**0.081**	**n/a**	**4/18/2020**	**1.7**	**Yes**	**96**	**n/a**	**n/a**	**84.38**	**n/a**	**n/a**	**0.0002106**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	MW-106	0.081	n/a	4/17/2020	0.07	No	96	n/a	n/a	84.38	n/a	n/a	0.0002106	NP Inter (NDs) 1 of 2
Boron (mg/L)	**MW-109**	**0.081**	**n/a**	**4/17/2020**	**0.83**	**Yes**	**96**	**n/a**	**n/a**	**84.38**	**n/a**	**n/a**	**0.0002106**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-110**	**0.081**	**n/a**	**4/17/2020**	**4.6**	**Yes**	**96**	**n/a**	**n/a**	**84.38**	**n/a**	**n/a**	**0.0002106**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	MW-102	1.426	n/a	4/18/2020	0.45	No	96	0.8884	0.1259	0	None	x^(1/3)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	**MW-103**	**1.426**	**n/a**	**4/17/2020**	**3.5**	**Yes**	**96**	**0.8884**	**0.1259**	**0**	**None**	**x^(1/3)**	**0.001075**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-104**	**1.426**	**n/a**	**4/18/2020**	**62**	**Yes**	**96**	**0.8884**	**0.1259**	**0**	**None**	**x^(1/3)**	**0.001075**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-105**	**1.426**	**n/a**	**4/18/2020**	**58**	**Yes**	**96**	**0.8884**	**0.1259**	**0**	**None**	**x^(1/3)**	**0.001075**	**Param Inter 1 of 2**
Calcium (mg/L)	MW-106	1.426	n/a	4/17/2020	0.42	No	96	0.8884	0.1259	0	None	x^(1/3)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	**MW-109**	**1.426**	**n/a**	**4/17/2020**	**5.2**	**Yes**	**96**	**0.8884**	**0.1259**	**0**	**None**	**x^(1/3)**	**0.001075**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-110**	**1.426**	**n/a**	**4/17/2020**	**29**	**Yes**	**96**	**0.8884**	**0.1259**	**0**	**None**	**x^(1/3)**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	MW-102	6.765	n/a	4/18/2020	6.3	No	96	5.206	0.8278	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	**MW-103**	**6.765**	**n/a**	**4/17/2020**	**20**	**Yes**	**96**	**5.206**	**0.8278**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-104**	**6.765**	**n/a**	**4/18/2020**	**130**	**Yes**	**96**	**5.206**	**0.8278**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-105**	**6.765**	**n/a**	**4/18/2020**	**73**	**Yes**	**96**	**5.206**	**0.8278**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	MW-106	6.765	n/a	4/17/2020	4.8	No	96	5.206	0.8278	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	**MW-109**	**6.765**	**n/a**	**4/17/2020**	**29**	**Yes**	**96**	**5.206**	**0.8278**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-110**	**6.765**	**n/a**	**4/17/2020**	**120**	**Yes**	**96**	**5.206**	**0.8278**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Field pH (SU)	MW-102	6.42	4.5	4/18/2020	4.96	No	95	n/a	n/a	0	n/a	n/a	0.00043	NP Inter (normality) 1 of 2
Field pH (SU)	MW-103	6.42	4.5	4/17/2020	5.07	No	95	n/a	n/a	0	n/a	n/a	0.00043	NP Inter (normality) 1 of 2
Field pH (SU)	**MW-104**	**6.42**	**4.5**	**4/18/2020**	**4.08**	**Yes**	**95**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00043**	**NP Inter (normality) 1 of 2**
Field pH (SU)	MW-105	6.42	4.5	4/18/2020	6.21	No	95	n/a	n/a	0	n/a	n/a	0.00043	NP Inter (normality) 1 of 2
Field pH (SU)	MW-106	6.42	4.5	4/17/2020	5.23	No	95	n/a	n/a	0	n/a	n/a	0.00043	NP Inter (normality) 1 of 2
Field pH (SU)	MW-109	6.42	4.5	4/17/2020	4.75	No	95	n/a	n/a	0	n/a	n/a	0.00043	NP Inter (normality) 1 of 2
Field pH (SU)	MW-110	6.42	4.5	4/17/2020	4.7	No	95	n/a	n/a	0	n/a	n/a	0.00043	NP Inter (normality) 1 of 2
Fluoride (mg/L)	MW-102	0.12	n/a	4/18/2020	0.1ND	No	96	n/a	n/a	97.92	n/a	n/a	0.0002106	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-103	0.12	n/a	4/17/2020	0.1ND	No	96	n/a	n/a	97.92	n/a	n/a	0.0002106	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-104**	**0.12**	**n/a**	**4/18/2020**	**0.3**	**Yes**	**96**	**n/a**	**n/a**	**97.92**	**n/a**	**n/a**	**0.0002106**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	MW-105	0.12	n/a	4/18/2020	0.04J	No	96	n/a	n/a	97.92	n/a	n/a	0.0002106	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-106	0.12	n/a	4/17/2020	0.1ND	No	96	n/a	n/a	97.92	n/a	n/a	0.0002106	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-109	0.12	n/a	4/17/2020	0.1ND	No	96	n/a	n/a	97.92	n/a	n/a	0.0002106	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-110	0.12	n/a	4/17/2020	0.04J	No	96	n/a	n/a	97.92	n/a	n/a	0.0002106	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-102	5	n/a	4/18/2020	5ND	No	95	n/a	n/a	75.79	n/a	n/a	0.000215	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-103**	**5**	**n/a**	**4/17/2020**	**31**	**Yes**	**95**	**n/a**	**n/a**	**75.79**	**n/a**	**n/a**	**0.000215**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-104**	**5**	**n/a**	**4/18/2020**	**670**	**Yes**	**95**	**n/a**	**n/a**	**75.79**	**n/a**	**n/a**	**0.000215**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-105**	**5**	**n/a**	**4/18/2020**	**32**	**Yes**	**95**	**n/a**	**n/a**	**75.79**	**n/a**	**n/a**	**0.000215**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	MW-106	5	n/a	4/17/2020	5ND	No	95	n/a	n/a	75.79	n/a	n/a	0.000215	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-109**	**5**	**n/a**	**4/17/2020**	**12**	**Yes**	**95**	**n/a**	**n/a**	**75.79**	**n/a**	**n/a**	**0.000215**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-110**	**5**	**n/a**	**4/17/2020**	**280**	**Yes**	**95**	**n/a**	**n/a**	**75.79**	**n/a**	**n/a**	**0.000215**	**NP Inter (NDs) 1 of 2**
Total Dissolved Solids (mg/L)	MW-102	110	n/a	4/18/2020	54	No	96	n/a	n/a	28.13	n/a	n/a	0.0002106	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-103	110	n/a	4/17/2020	70	No	96	n/a	n/a	28.13	n/a	n/a	0.0002106	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-104**	**110**	**n/a**	**4/18/2020**	**1100**	**Yes**	**96**	**n/a**	**n/a**	**28.13**	**n/a**	**n/a**	**0.0002106**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-105**	**110**	**n/a**	**4/18/2020**	**180**	**Yes**	**96**	**n/a**	**n/a**	**28.13**	**n/a**	**n/a**	**0.0002106**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	MW-106	110	n/a	4/17/2020	48	No	96	n/a	n/a	28.13	n/a	n/a	0.0002106	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-109	110	n/a	4/17/2020	28	No	96	n/a	n/a	28.13	n/a	n/a	0.0002106	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-110**	**110**	**n/a**	**4/17/2020**	**600**	**Yes**	**96**	**n/a**	**n/a**	**28.13**	**n/a**	**n/a**	**0.0002106**	**NP Inter (normality) 1 of 2**

Appendix III Interwell Prediction Limits - 200 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/22/2020, 2:53 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-200	0.081	n/a	4/18/2020	1.6	Yes	96	n/a	n/a	84.38	n/a	n/a	0.0002114	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-201	0.081	n/a	4/22/2020	4.2	Yes	96	n/a	n/a	84.38	n/a	n/a	0.0002114	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-206	0.081	n/a	4/18/2020	17	Yes	96	n/a	n/a	84.38	n/a	n/a	0.0002114	NP Inter (NDs) 1 of 2
Calcium (mg/L)	MW-200	1.329	n/a	4/18/2020	40	Yes	96	0.8884	0.1259	0	None	x^(1/3)	0.002505	Param Inter 1 of 2
Calcium (mg/L)	MW-201	1.329	n/a	4/22/2020	61	Yes	96	0.8884	0.1259	0	None	x^(1/3)	0.002505	Param Inter 1 of 2
Calcium (mg/L)	MW-206	1.329	n/a	4/18/2020	320	Yes	96	0.8884	0.1259	0	None	x^(1/3)	0.002505	Param Inter 1 of 2
Chloride (mg/L)	MW-200	6.594	n/a	4/18/2020	59	Yes	96	5.206	0.8278	0	None	No	0.002505	Param Inter 1 of 2
Chloride (mg/L)	MW-201	6.594	n/a	4/22/2020	120	Yes	96	5.206	0.8278	0	None	No	0.002505	Param Inter 1 of 2
Chloride (mg/L)	MW-206	6.594	n/a	4/18/2020	660	Yes	96	5.206	0.8278	0	None	No	0.002505	Param Inter 1 of 2
Fluoride (mg/L)	MW-201	0.12	n/a	4/22/2020	0.39	Yes	96	n/a	n/a	97.92	n/a	n/a	0.0002114	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-200	5	n/a	4/18/2020	64	Yes	95	n/a	n/a	75.79	n/a	n/a	0.0002159	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-201	5	n/a	4/22/2020	130	Yes	95	n/a	n/a	75.79	n/a	n/a	0.0002159	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-206	5	n/a	4/18/2020	250	Yes	95	n/a	n/a	75.79	n/a	n/a	0.0002159	NP Inter (NDs) 1 of 2
Total Dissolved Solids (mg/L)	MW-200	110	n/a	4/18/2020	240	Yes	96	n/a	n/a	28.13	n/a	n/a	0.0002114	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-201	110	n/a	4/22/2020	600	Yes	96	n/a	n/a	28.13	n/a	n/a	0.0002114	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-206	110	n/a	4/18/2020	1700	Yes	96	n/a	n/a	28.13	n/a	n/a	0.0002114	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - 200 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/22/2020, 2:53 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**MW-200**	**0.081**	**n/a**	**4/18/2020**	**1.6**	**Yes**	**96**	**n/a**	**n/a**	**84.38**	**n/a**	**n/a**	**0.0002114**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-201**	**0.081**	**n/a**	**4/22/2020**	**4.2**	**Yes**	**96**	**n/a**	**n/a**	**84.38**	**n/a**	**n/a**	**0.0002114**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-206**	**0.081**	**n/a**	**4/18/2020**	**17**	**Yes**	**96**	**n/a**	**n/a**	**84.38**	**n/a**	**n/a**	**0.0002114**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	**MW-200**	**1.329**	**n/a**	**4/18/2020**	**40**	**Yes**	**96**	**0.8884**	**0.1259**	**0**	**None**	**x^(1/3)**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-201**	**1.329**	**n/a**	**4/22/2020**	**61**	**Yes**	**96**	**0.8884**	**0.1259**	**0**	**None**	**x^(1/3)**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-206**	**1.329**	**n/a**	**4/18/2020**	**320**	**Yes**	**96**	**0.8884**	**0.1259**	**0**	**None**	**x^(1/3)**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-200**	**6.594**	**n/a**	**4/18/2020**	**59**	**Yes**	**96**	**5.206**	**0.8278**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-201**	**6.594**	**n/a**	**4/22/2020**	**120**	**Yes**	**96**	**5.206**	**0.8278**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-206**	**6.594**	**n/a**	**4/18/2020**	**660**	**Yes**	**96**	**5.206**	**0.8278**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Fluoride (mg/L)	MW-200	0.12	n/a	4/18/2020	0.1ND	No	96	n/a	n/a	97.92	n/a	n/a	0.0002114	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-201**	**0.12**	**n/a**	**4/22/2020**	**0.39**	**Yes**	**96**	**n/a**	**n/a**	**97.92**	**n/a**	**n/a**	**0.0002114**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	MW-206	0.12	n/a	4/18/2020	0.1ND	No	96	n/a	n/a	97.92	n/a	n/a	0.0002114	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-200**	**5**	**n/a**	**4/18/2020**	**64**	**Yes**	**95**	**n/a**	**n/a**	**75.79**	**n/a**	**n/a**	**0.0002159**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-201**	**5**	**n/a**	**4/22/2020**	**130**	**Yes**	**95**	**n/a**	**n/a**	**75.79**	**n/a**	**n/a**	**0.0002159**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-206**	**5**	**n/a**	**4/18/2020**	**250**	**Yes**	**95**	**n/a**	**n/a**	**75.79**	**n/a**	**n/a**	**0.0002159**	**NP Inter (NDs) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-200**	**110**	**n/a**	**4/18/2020**	**240**	**Yes**	**96**	**n/a**	**n/a**	**28.13**	**n/a**	**n/a**	**0.0002114**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-201**	**110**	**n/a**	**4/22/2020**	**600**	**Yes**	**96**	**n/a**	**n/a**	**28.13**	**n/a**	**n/a**	**0.0002114**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-206**	**110**	**n/a**	**4/18/2020**	**1700**	**Yes**	**96**	**n/a**	**n/a**	**28.13**	**n/a**	**n/a**	**0.0002114**	**NP Inter (normality) 1 of 2**

Appendix III Intrawell Prediction Limits - 200 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/22/2020, 2:55 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	**MW-206**	**4.64**	**3.998**	**4/18/2020**	**5**	**Yes**	**14**	**4.319**	**0.1573**	**0**	**None**	**No**	**0.001253**	**Param Intra 1 of 2**

Appendix III Intrawell Prediction Limits - 200 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/22/2020, 2:55 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	MW-100	5.257	4.453	4/16/2020	5.03	No	13	4.855	0.1936	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-101	5.491	4.42	4/16/2020	5.17	No	13	4.955	0.258	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-107	5.412	4.406	4/16/2020	5.15	No	13	4.909	0.2421	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-108	5.178	4.369	4/16/2020	4.96	No	12	4.773	0.1917	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-200	5.263	4.716	4/18/2020	5.2	No	14	4.989	0.134	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-201	5.704	4.463	4/22/2020	4.69	No	14	5.084	0.304	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	**MW-206**	**4.64**	**3.998**	**4/18/2020**	**5**	**Yes**	**14**	**4.319**	**0.1573**	**0**	**None**	**No**	**0.001253**	**Param Intra 1 of 2**
Field pH (SU)	MW-306	5.438	4.624	4/16/2020	5.13	No	13	5.031	0.1961	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-307	6.537	5.063	4/16/2020	5.58	No	13	5.8	0.3549	0	None	No	0.001253	Param Intra 1 of 2

Appendix III Interwell Prediction Limits - 300 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/25/2020, 9:27 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-303	0.081	n/a	4/18/2020	5.7	Yes	96	n/a	n/a	84.38	n/a	n/a	0.0002111	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-304	0.081	n/a	4/18/2020	2.8	Yes	96	n/a	n/a	84.38	n/a	n/a	0.0002111	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-308	0.081	n/a	4/18/2020	3	Yes	96	n/a	n/a	84.38	n/a	n/a	0.0002111	NP Inter (NDs) 1 of 2
Calcium (mg/L)	MW-303	1.39	n/a	4/18/2020	93	Yes	96	0.8884	0.1259	0	None	x^(1/3)	0.001504	Param Inter 1 of 2
Calcium (mg/L)	MW-304	1.39	n/a	4/18/2020	150	Yes	96	0.8884	0.1259	0	None	x^(1/3)	0.001504	Param Inter 1 of 2
Calcium (mg/L)	MW-308	1.39	n/a	4/18/2020	48	Yes	96	0.8884	0.1259	0	None	x^(1/3)	0.001504	Param Inter 1 of 2
Chloride (mg/L)	MW-300	6.703	n/a	4/18/2020	8.7	Yes	96	5.206	0.8278	0	None	No	0.001504	Param Inter 1 of 2
Chloride (mg/L)	MW-303	6.703	n/a	4/18/2020	96	Yes	96	5.206	0.8278	0	None	No	0.001504	Param Inter 1 of 2
Chloride (mg/L)	MW-304	6.703	n/a	4/18/2020	140	Yes	96	5.206	0.8278	0	None	No	0.001504	Param Inter 1 of 2
Chloride (mg/L)	MW-305	6.703	n/a	4/18/2020	8.2	Yes	96	5.206	0.8278	0	None	No	0.001504	Param Inter 1 of 2
Chloride (mg/L)	MW-308	6.703	n/a	4/18/2020	33	Yes	96	5.206	0.8278	0	None	No	0.001504	Param Inter 1 of 2
Fluoride (mg/L)	MW-303	0.12	n/a	4/18/2020	0.25	Yes	96	n/a	n/a	97.92	n/a	n/a	0.0002111	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-308	0.12	n/a	4/18/2020	0.17	Yes	96	n/a	n/a	97.92	n/a	n/a	0.0002111	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-303	5	n/a	4/18/2020	260	Yes	95	n/a	n/a	75.79	n/a	n/a	0.0002155	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-304	5	n/a	4/18/2020	600	Yes	95	n/a	n/a	75.79	n/a	n/a	0.0002155	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-308	5	n/a	4/18/2020	120	Yes	95	n/a	n/a	75.79	n/a	n/a	0.0002155	NP Inter (NDs) 1 of 2
Total Dissolved Solids (mg/L)	MW-303	110	n/a	4/18/2020	520	Yes	96	n/a	n/a	28.13	n/a	n/a	0.0002111	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-304	110	n/a	4/18/2020	1000	Yes	96	n/a	n/a	28.13	n/a	n/a	0.0002111	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-308	110	n/a	4/18/2020	280	Yes	96	n/a	n/a	28.13	n/a	n/a	0.0002111	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - 300 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/25/2020, 9:27 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-300	0.081	n/a	4/18/2020	0.027	No	96	n/a	n/a	84.38	n/a	n/a	0.0002111	NP Inter (NDs) 1 of 2
Boron (mg/L)	**MW-303**	**0.081**	**n/a**	**4/18/2020**	**5.7**	**Yes**	**96**	**n/a**	**n/a**	**84.38**	**n/a**	**n/a**	**0.0002111**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-304**	**0.081**	**n/a**	**4/18/2020**	**2.8**	**Yes**	**96**	**n/a**	**n/a**	**84.38**	**n/a**	**n/a**	**0.0002111**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	MW-305	0.081	n/a	4/18/2020	0.016	No	96	n/a	n/a	84.38	n/a	n/a	0.0002111	NP Inter (NDs) 1 of 2
Boron (mg/L)	**MW-308**	**0.081**	**n/a**	**4/18/2020**	**3**	**Yes**	**96**	**n/a**	**n/a**	**84.38**	**n/a**	**n/a**	**0.0002111**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	MW-300	1.39	n/a	4/18/2020	0.48	No	96	0.8884	0.1259	0	None	x^(1/3)	0.001504	Param Inter 1 of 2
Calcium (mg/L)	**MW-303**	**1.39**	**n/a**	**4/18/2020**	**93**	**Yes**	**96**	**0.8884**	**0.1259**	**0**	**None**	**x^(1/3)**	**0.001504**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-304**	**1.39**	**n/a**	**4/18/2020**	**150**	**Yes**	**96**	**0.8884**	**0.1259**	**0**	**None**	**x^(1/3)**	**0.001504**	**Param Inter 1 of 2**
Calcium (mg/L)	MW-305	1.39	n/a	4/18/2020	0.9	No	96	0.8884	0.1259	0	None	x^(1/3)	0.001504	Param Inter 1 of 2
Calcium (mg/L)	**MW-308**	**1.39**	**n/a**	**4/18/2020**	**48**	**Yes**	**96**	**0.8884**	**0.1259**	**0**	**None**	**x^(1/3)**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-300**	**6.703**	**n/a**	**4/18/2020**	**8.7**	**Yes**	**96**	**5.206**	**0.8278**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-303**	**6.703**	**n/a**	**4/18/2020**	**96**	**Yes**	**96**	**5.206**	**0.8278**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-304**	**6.703**	**n/a**	**4/18/2020**	**140**	**Yes**	**96**	**5.206**	**0.8278**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-305**	**6.703**	**n/a**	**4/18/2020**	**8.2**	**Yes**	**96**	**5.206**	**0.8278**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-308**	**6.703**	**n/a**	**4/18/2020**	**33**	**Yes**	**96**	**5.206**	**0.8278**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Fluoride (mg/L)	MW-300	0.12	n/a	4/18/2020	0.1ND	No	96	n/a	n/a	97.92	n/a	n/a	0.0002111	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-303**	**0.12**	**n/a**	**4/18/2020**	**0.25**	**Yes**	**96**	**n/a**	**n/a**	**97.92**	**n/a**	**n/a**	**0.0002111**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	MW-304	0.12	n/a	4/18/2020	0.1ND	No	96	n/a	n/a	97.92	n/a	n/a	0.0002111	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-305	0.12	n/a	4/18/2020	0.1ND	No	96	n/a	n/a	97.92	n/a	n/a	0.0002111	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-308**	**0.12**	**n/a**	**4/18/2020**	**0.17**	**Yes**	**96**	**n/a**	**n/a**	**97.92**	**n/a**	**n/a**	**0.0002111**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	MW-300	5	n/a	4/18/2020	5ND	No	95	n/a	n/a	75.79	n/a	n/a	0.0002155	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-303**	**5**	**n/a**	**4/18/2020**	**260**	**Yes**	**95**	**n/a**	**n/a**	**75.79**	**n/a**	**n/a**	**0.0002155**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-304**	**5**	**n/a**	**4/18/2020**	**600**	**Yes**	**95**	**n/a**	**n/a**	**75.79**	**n/a**	**n/a**	**0.0002155**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	MW-305	5	n/a	4/18/2020	5ND	No	95	n/a	n/a	75.79	n/a	n/a	0.0002155	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-308**	**5**	**n/a**	**4/18/2020**	**120**	**Yes**	**95**	**n/a**	**n/a**	**75.79**	**n/a**	**n/a**	**0.0002155**	**NP Inter (NDs) 1 of 2**
Total Dissolved Solids (mg/L)	MW-300	110	n/a	4/18/2020	62	No	96	n/a	n/a	28.13	n/a	n/a	0.0002111	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-303**	**110**	**n/a**	**4/18/2020**	**520**	**Yes**	**96**	**n/a**	**n/a**	**28.13**	**n/a**	**n/a**	**0.0002111**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-304**	**110**	**n/a**	**4/18/2020**	**1000**	**Yes**	**96**	**n/a**	**n/a**	**28.13**	**n/a**	**n/a**	**0.0002111**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	MW-305	110	n/a	4/18/2020	36	No	96	n/a	n/a	28.13	n/a	n/a	0.0002111	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-308**	**110**	**n/a**	**4/18/2020**	**280**	**Yes**	**96**	**n/a**	**n/a**	**28.13**	**n/a**	**n/a**	**0.0002111**	**NP Inter (normality) 1 of 2**

Appendix III Intrawell Prediction Limits - 300 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/25/2020, 9:25 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	**MW-308**	**6.805**	**5.551**	**4/18/2020**	**6.97**	**Yes**	**14**	**6.178**	**0.2805**	**0**	**None**	**No**	**0.000752**	**Param Intra 1 of 2**

Appendix III Intrawell Prediction Limits - 300 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/25/2020, 9:25 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	MW-100	5.296	4.413	4/16/2020	5.03	No	13	4.855	0.1936	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-101	5.543	4.367	4/16/2020	5.17	No	13	4.955	0.258	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-107	5.461	4.357	4/16/2020	5.15	No	13	4.909	0.2421	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-108	5.218	4.328	4/16/2020	4.96	No	12	4.773	0.1917	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-300	5.229	4.305	4/18/2020	4.69	No	14	4.767	0.2067	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-303	7.152	5.968	4/18/2020	6.61	No	14	6.56	0.2649	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-304	6.401	4.549	4/18/2020	5.2	No	14	5.475	0.4141	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-305	5.367	4.441	4/18/2020	4.91	No	14	4.904	0.2071	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-306	5.478	4.584	4/16/2020	5.13	No	13	5.031	0.1961	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-307	6.609	4.991	4/16/2020	5.58	No	13	5.8	0.3549	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	**MW-308**	**6.805**	**5.551**	**4/18/2020**	**6.97**	**Yes**	**14**	**6.178**	**0.2805**	**0**	**None**	**No**	**0.000752**	**Param Intra 1 of 2**

Appendix III Trend Tests - 100 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/22/2020, 2:27 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	**MW-103**	**-0.3629**	**-71**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-109**	**0.4024**	**74**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-307 (bg)**	**-0.172**	**-83**	**-58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-103**	**2.223**	**90**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-109**	**1.369**	**70**	**58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	**MW-307 (bg)**	**-0.1571**	**-71**	**-58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - 100 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/22/2020, 2:27 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	MW-100 (bg)	0	-12	-58	No	16	87.5	n/a	n/a	0.01	NP
Boron (mg/L)	MW-101 (bg)	0	-34	-58	No	16	81.25	n/a	n/a	0.01	NP
Boron (mg/L)	MW-103	-0.02625	-29	-63	No	17	17.65	n/a	n/a	0.01	NP
Boron (mg/L)	MW-104	0.3323	21	63	No	17	0	n/a	n/a	0.01	NP
Boron (mg/L)	MW-105	0.2171	51	63	No	17	11.76	n/a	n/a	0.01	NP
Boron (mg/L)	MW-107 (bg)	0	-16	-58	No	16	87.5	n/a	n/a	0.01	NP
Boron (mg/L)	MW-108 (bg)	0	-12	-58	No	16	75	n/a	n/a	0.01	NP
Boron (mg/L)	MW-109	0.04419	33	58	No	16	25	n/a	n/a	0.01	NP
Boron (mg/L)	MW-110	0.3223	48	63	No	17	0	n/a	n/a	0.01	NP
Boron (mg/L)	MW-306 (bg)	0	-16	-58	No	16	87.5	n/a	n/a	0.01	NP
Boron (mg/L)	MW-307 (bg)	0	-16	-58	No	16	87.5	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-100 (bg)	0.03779	33	58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-101 (bg)	-0.03287	-44	-58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-103**	**-0.3629**	**-71**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-104	2.901	38	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-105	2.095	28	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-107 (bg)	-0.03716	-36	-58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-108 (bg)	0.03799	26	58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-109**	**0.4024**	**74**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-110	2.486	31	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-306 (bg)	-0.005864	-14	-58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-307 (bg)**	**-0.172**	**-83**	**-58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-100 (bg)	0.2918	52	58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-101 (bg)	0.1782	37	58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-103**	**2.223**	**90**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-104	5.041	6	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-105	9.63	34	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-107 (bg)	-0.08844	-24	-58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-108 (bg)	-0.2144	-50	-58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-109**	**1.369**	**70**	**58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-110	9.179	22	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-306 (bg)	0.2217	46	58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-307 (bg)	0.09845	30	58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-100 (bg)	-0.01982	-10	-58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-101 (bg)	-0.04551	-14	-58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-104	0.01883	18	63	No	17	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-107 (bg)	-0.02111	-3	-58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-108 (bg)	0.007081	5	53	No	15	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-306 (bg)	-0.03406	-23	-58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	**MW-307 (bg)**	**-0.1571**	**-71**	**-58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	MW-100 (bg)	0	0	58	No	16	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-101 (bg)	0	3	58	No	16	93.75	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-104	-0.02792	-42	-63	No	17	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-107 (bg)	0	0	58	No	16	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-108 (bg)	0	0	58	No	16	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-306 (bg)	0	0	58	No	16	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-307 (bg)	0	15	58	No	16	93.75	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-100 (bg)	0	4	53	No	15	93.33	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-101 (bg)	0	-13	-58	No	16	87.5	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-103	-1.186	-22	-63	No	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-104	40.13	17	63	No	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-105	5.06	30	63	No	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-107 (bg)	0	5	58	No	16	93.75	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-108 (bg)	0.3802	50	58	No	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-109	-1.371	-38	-63	No	17	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - 100 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/22/2020, 2:27 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Sulfate (mg/L)	MW-110	20.2	50	63	No	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-306 (bg)	0	-1	-58	No	16	93.75	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-307 (bg)	0	7	58	No	16	87.5	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-100 (bg)	3.079	21	58	No	16	25	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-101 (bg)	1.107	12	58	No	16	18.75	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-104	17.18	5	63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-105	23.36	13	63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-107 (bg)	0	11	58	No	16	43.75	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-108 (bg)	0	7	58	No	16	31.25	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-110	40.2	34	63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-306 (bg)	3.118	36	58	No	16	31.25	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-307 (bg)	0	-1	-58	No	16	18.75	n/a	n/a	0.01	NP

Appendix III Trend Tests - 200 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/25/2020, 9:21 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**MW-200**	**-8.472**	**-103**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**MW-201**	**-9.217**	**-90**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**MW-206**	**-22.06**	**-118**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-200**	**-208.6**	**-112**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-201**	**-230.8**	**-111**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-206**	**-597.4**	**-128**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-307 (bg)**	**-0.172**	**-83**	**-58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-200**	**-342.9**	**-89**	**-63**	**Yes**	**17**	**5.882**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-201**	**-493.4**	**-88**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-206**	**-1331**	**-110**	**-58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	**MW-307 (bg)**	**-0.1571**	**-71**	**-58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-200**	**-83.88**	**-82**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-201**	**-107.2**	**-113**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-206**	**-143.7**	**-97**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-200**	**-1353**	**-111**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-201**	**-1471**	**-97**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-206**	**-3178**	**-102**	**-58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - 200 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/25/2020, 9:21 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	MW-100 (bg)	0	-27	-58	No	16	87.5	n/a	n/a	0.01	NP
Boron (mg/L)	MW-101 (bg)	0	-20	-58	No	16	81.25	n/a	n/a	0.01	NP
Boron (mg/L)	MW-107 (bg)	0	-29	-58	No	16	87.5	n/a	n/a	0.01	NP
Boron (mg/L)	MW-108 (bg)	0	-29	-58	No	16	75	n/a	n/a	0.01	NP
Boron (mg/L)	**MW-200**	**-8.472**	**-103**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**MW-201**	**-9.217**	**-90**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**MW-206**	**-22.06**	**-118**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	MW-306 (bg)	0	-29	-58	No	16	87.5	n/a	n/a	0.01	NP
Boron (mg/L)	MW-307 (bg)	0	-29	-58	No	16	87.5	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-100 (bg)	0.03779	33	58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-101 (bg)	-0.03287	-44	-58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-107 (bg)	-0.03716	-36	-58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-108 (bg)	0.03799	26	58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-200**	**-208.6**	**-112**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-201**	**-230.8**	**-111**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-206**	**-597.4**	**-128**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-306 (bg)	-0.005864	-14	-58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-307 (bg)**	**-0.172**	**-83**	**-58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-100 (bg)	0.2918	52	58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-101 (bg)	0.1782	37	58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-107 (bg)	-0.08844	-24	-58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-108 (bg)	-0.2144	-50	-58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-200**	**-342.9**	**-89**	**-63**	**Yes**	**17**	**5.882**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-201**	**-493.4**	**-88**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-206**	**-1331**	**-110**	**-58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-306 (bg)	0.2217	46	58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-307 (bg)	0.09845	30	58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-100 (bg)	-0.01982	-10	-58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-101 (bg)	-0.04551	-14	-58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-107 (bg)	-0.02111	-3	-58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-108 (bg)	0.007081	5	53	No	15	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-206	0.1014	52	63	No	17	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-306 (bg)	-0.03406	-23	-58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	**MW-307 (bg)**	**-0.1571**	**-71**	**-58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	MW-100 (bg)	0	0	58	No	16	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-101 (bg)	0	3	58	No	16	93.75	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-107 (bg)	0	0	58	No	16	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-108 (bg)	0	0	58	No	16	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-201	-0.002519	-1	-63	No	17	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-306 (bg)	0	0	58	No	16	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-307 (bg)	0	15	58	No	16	93.75	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-100 (bg)	0	4	53	No	15	93.33	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-101 (bg)	0	-13	-58	No	16	87.5	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-107 (bg)	0	5	58	No	16	93.75	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-108 (bg)	0.3802	50	58	No	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-200**	**-83.88**	**-82**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-201**	**-107.2**	**-113**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-206**	**-143.7**	**-97**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	MW-306 (bg)	0	-1	-58	No	16	93.75	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-307 (bg)	0	7	58	No	16	87.5	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-100 (bg)	3.079	21	58	No	16	25	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-101 (bg)	1.107	12	58	No	16	18.75	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-107 (bg)	0	11	58	No	16	43.75	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-108 (bg)	0	7	58	No	16	31.25	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	**MW-200**	**-1353**	**-111**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-201**	**-1471**	**-97**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-206**	**-3178**	**-102**	**-58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	MW-306 (bg)	3.118	36	58	No	16	31.25	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-307 (bg)	0	-1	-58	No	16	18.75	n/a	n/a	0.01	NP

Appendix III Trend Tests - 300 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/25/2020, 9:37 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	**MW-307 (bg)**	**-0.172**	**-83**	**-58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	**MW-307 (bg)**	**-0.1571**	**-71**	**-58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	**MW-303**	**0.05703**	**97**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	**MW-308**	**0.03056**	**83**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-308**	**-34.45**	**-87**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - 300 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/25/2020, 9:37 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	MW-100 (bg)	0	-27	-58	No	16	87.5	n/a	n/a	0.01	NP
Boron (mg/L)	MW-101 (bg)	0	-20	-58	No	16	81.25	n/a	n/a	0.01	NP
Boron (mg/L)	MW-107 (bg)	0	-29	-58	No	16	87.5	n/a	n/a	0.01	NP
Boron (mg/L)	MW-108 (bg)	0	-29	-58	No	16	75	n/a	n/a	0.01	NP
Boron (mg/L)	MW-303	0.2903	19	63	No	17	0	n/a	n/a	0.01	NP
Boron (mg/L)	MW-304	0.3999	55	63	No	17	0	n/a	n/a	0.01	NP
Boron (mg/L)	MW-306 (bg)	0	-29	-58	No	16	87.5	n/a	n/a	0.01	NP
Boron (mg/L)	MW-307 (bg)	0	-29	-58	No	16	87.5	n/a	n/a	0.01	NP
Boron (mg/L)	MW-308	-0.6205	-32	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-100 (bg)	0.03779	33	58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-101 (bg)	-0.03287	-44	-58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-107 (bg)	-0.03716	-36	-58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-108 (bg)	0.03799	26	58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-303	3.624	26	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-304	-8.423	-31	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-306 (bg)	-0.005864	-14	-58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-307 (bg)**	**-0.172**	**-83**	**-58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-308	-4.426	-38	-63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-100 (bg)	0.2918	52	58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-101 (bg)	0.1782	37	58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-107 (bg)	-0.08844	-24	-58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-108 (bg)	-0.2144	-50	-58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-300	0.01493	7	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-303	5.851	22	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-304	0.474	3	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-305	0.1902	26	63	No	17	5.882	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-306 (bg)	0.2217	46	58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-307 (bg)	0.09845	30	58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-308	5.492	17	63	No	17	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-100 (bg)	-0.01982	-10	-58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-101 (bg)	-0.04551	-14	-58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-107 (bg)	-0.02111	-3	-58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-108 (bg)	0.007081	5	53	No	15	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-306 (bg)	-0.03406	-23	-58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	**MW-307 (bg)**	**-0.1571**	**-71**	**-58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	MW-308	0.1616	50	63	No	17	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-100 (bg)	0	0	58	No	16	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-101 (bg)	0	3	58	No	16	93.75	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-107 (bg)	0	0	58	No	16	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-108 (bg)	0	0	58	No	16	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	**MW-303**	**0.05703**	**97**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	MW-306 (bg)	0	0	58	No	16	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-307 (bg)	0	15	58	No	16	93.75	n/a	n/a	0.01	NP
Fluoride (mg/L)	**MW-308**	**0.03056**	**83**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	MW-100 (bg)	0	4	53	No	15	93.33	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-101 (bg)	0	-13	-58	No	16	87.5	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-107 (bg)	0	5	58	No	16	93.75	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-108 (bg)	0.3802	50	58	No	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-303	6.882	12	63	No	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-304	-18.4	-17	-63	No	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-306 (bg)	0	-1	-58	No	16	93.75	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-307 (bg)	0	7	58	No	16	87.5	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-308**	**-34.45**	**-87**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	MW-100 (bg)	3.079	21	58	No	16	25	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-101 (bg)	1.107	12	58	No	16	18.75	n/a	n/a	0.01	NP

Appendix III Trend Tests - 300 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/25/2020, 9:37 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Total Dissolved Solids (mg/L)	MW-107 (bg)	0	11	58	No	16	43.75	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-108 (bg)	0	7	58	No	16	31.25	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-303	6.861	3	63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-304	-46.34	-17	-63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-306 (bg)	3.118	36	58	No	16	31.25	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-307 (bg)	0	-1	-58	No	16	18.75	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-308	-43.33	-44	-63	No	17	0	n/a	n/a	0.01	NP

Tolerance Limit Summary Table

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/23/2020, 12:26 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.0025	n/a	n/a	n/a	n/a	78	n/a	n/a	100	n/a	n/a	0.0183	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.0013	n/a	n/a	n/a	n/a	90	n/a	n/a	84.44	n/a	n/a	0.009888	NP Inter(NDs)
Barium (mg/L)	n/a	0.01942	n/a	n/a	n/a	n/a	90	0.1136	0.01326	0	None	sqrt(x)	0.05	Inter
Beryllium (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a	90	n/a	n/a	93.33	n/a	n/a	0.009888	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a	90	n/a	n/a	100	n/a	n/a	0.009888	NP Inter(NDs)
Chromium (mg/L)	n/a	0.0059	n/a	n/a	n/a	n/a	89	n/a	n/a	91.01	n/a	n/a	0.01041	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.0032	n/a	n/a	n/a	n/a	90	n/a	n/a	32.22	n/a	n/a	0.009888	NP Inter(normality)
Combined Radium 226 + 228 (pCi/L)	n/a	2.364	n/a	n/a	n/a	n/a	90	1	0.1709	3.333	None	x^(1/3)	0.05	Inter
Fluoride (mg/L)	n/a	0.12	n/a	n/a	n/a	n/a	96	n/a	n/a	97.92	n/a	n/a	0.007269	NP Inter(NDs)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	90	n/a	n/a	92.22	n/a	n/a	0.009888	NP Inter(NDs)
Lithium (mg/L)	n/a	0.0037	n/a	n/a	n/a	n/a	89	n/a	n/a	71.91	n/a	n/a	0.01041	NP Inter(NDs)
Mercury (mg/L)	n/a	0.0002	n/a	n/a	n/a	n/a	90	n/a	n/a	96.67	n/a	n/a	0.009888	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.0042	n/a	n/a	n/a	n/a	90	n/a	n/a	96.67	n/a	n/a	0.009888	NP Inter(NDs)
Selenium (mg/L)	n/a	0.0025	n/a	n/a	n/a	n/a	90	n/a	n/a	78.89	n/a	n/a	0.009888	NP Inter(NDs)
Thallium (mg/L)	n/a	0.0001	n/a	n/a	n/a	n/a	90	n/a	n/a	100	n/a	n/a	0.009888	NP Inter(NDs)

PLANT CRIST GWPS TABLE				
Constituent Name	**MCL**	**CCR Rule Specified**	**Background**	**GWPS**
Antimony, Total (mg/L)	0.006		0.0025	0.006
Arsenic, Total (mg/L)	0.01		0.0013	0.01
Barium, Total (mg/L)	2		0.01942	2
Beryllium, Total (mg/L)	0.004		0.0005	0.004
Cadmium, Total (mg/L)	0.005		0.0005	0.005
Chromium, Total (mg/L)	0.1		0.0059	0.1
Cobalt, Total (mg/L)		0.006	0.0032	0.006
Combined Radium, Total (pCi/L)	5		2.364	5
Fluoride, Total (mg/L)	4		0.12	4
Lead, Total (mg/L)		0.015	0.001	0.015
Lithium, Total (mg/L)		0.04	0.0037	0.04
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)		0.1	0.0042	0.1
Selenium, Total (mg/L)	0.05		0.0025	0.05
Thallium, Total (mg/L)	0.002		0.0001	0.002

MCL = Maximum Contaminant Level

GWPS = Groundwater Protection Standard

Confidence Intervals - 100 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/23/2020, 12:29 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	**MW-104**	**0.02151**	**0.01396**	**0.006**	**Yes**	**15**	**0.01773**	**0.005574**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-104**	**18.57**	**12.66**	**5**	**Yes**	**15**	**15.62**	**4.355**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-110**	**7.421**	**5.525**	**5**	**Yes**	**15**	**6.473**	**1.399**	**0**	**None**	**No**	**0.01**	**Param.**
Mercury (mg/L)	**MW-110**	**0.006132**	**0.003513**	**0.002**	**Yes**	**15**	**0.004823**	**0.001933**	**0**	**None**	**No**	**0.01**	**Param.**

Confidence Intervals - 100 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/23/2020, 12:29 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-102	0.0025	0.0025	0.006	No	12	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-103	0.0025	0.0025	0.006	No	12	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-104	0.0025	0.0025	0.006	No	12	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-105	0.0025	0.0025	0.006	No	12	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-106	0.0025	0.0025	0.006	No	12	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-109	0.0025	0.0025	0.006	No	12	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-110	0.0025	0.0025	0.006	No	12	0.0025	0	100	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-102	0.0005	0.00025	0.01	No	15	0.0002667	0.00006455	93.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-103	0.00051	0.00019	0.01	No	15	0.0002633	0.00006997	86.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-104	0.007773	0.002899	0.01	No	15	0.005336	0.003597	6.667	None	No	0.01	Param.
Arsenic (mg/L)	MW-105	0.004398	0.003602	0.01	No	15	0.004	0.000588	0	None	No	0.01	Param.
Arsenic (mg/L)	MW-106	0.00025	0.00025	0.01	No	15	0.00025	0	100	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-109	0.00025	0.00025	0.01	No	15	0.00025	3.1e-12	93.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-110	0.00051	0.0002	0.01	No	15	0.0003313	0.0001522	53.33	None	No	0.01	NP (NDs)
Barium (mg/L)	MW-102	0.011	0.009003	2	No	15	0.01005	0.00149	0	None	ln(x)	0.01	Param.
Barium (mg/L)	MW-103	0.06212	0.04624	2	No	15	0.05293	0.01452	0	None	x^2	0.01	Param.
Barium (mg/L)	MW-104	0.0258	0.0198	2	No	15	0.0228	0.004427	0	None	No	0.01	Param.
Barium (mg/L)	MW-105	0.04894	0.03813	2	No	15	0.04353	0.007981	0	None	No	0.01	Param.
Barium (mg/L)	MW-106	0.015	0.0096	2	No	15	0.01101	0.002082	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-109	0.02135	0.01785	2	No	15	0.0196	0.002586	0	None	No	0.01	Param.
Barium (mg/L)	MW-110	0.04754	0.03633	2	No	15	0.04193	0.008268	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-102	0.0005	0.00011	0.004	No	15	0.000474	0.0001007	93.33	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-103	0.0005	0.0005	0.004	No	15	0.0005	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-104	0.001227	0.0008285	0.004	No	15	0.001028	0.0002944	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-105	0.0005	0.0005	0.004	No	15	0.0005	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-106	0.0005	0.0005	0.004	No	15	0.0005	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-109	0.0005	0.000044	0.004	No	15	0.0004696	0.0001177	93.33	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-110	0.0005	0.00013	0.004	No	15	0.0004476	0.0001386	86.67	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-102	0.0005	0.0005	0.005	No	15	0.0005	0	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-103	0.0005	0.0005	0.005	No	15	0.0005	0	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-104	0.00052	0.00044	0.005	No	15	0.0005027	0.00008779	46.67	None	No	0.01	NP (normality)
Cadmium (mg/L)	MW-105	0.0005	0.0005	0.005	No	15	0.0005	0	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-106	0.0005	0.0005	0.005	No	15	0.0005	0	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-109	0.0005	0.000078	0.005	No	15	0.0004719	0.000109	93.33	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-110	0.0005	0.00032	0.005	No	15	0.000462	0.0001078	86.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-102	0.0028	0.00037	0.1	No	15	0.0006447	0.0005972	86.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-103	0.0011	0.00028	0.1	No	15	0.0008227	0.001225	73.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-104	0.0023	0.0005	0.1	No	15	0.001647	0.0006937	20	None	No	0.01	NP (normality)
Chromium (mg/L)	MW-105	0.002615	0.001975	0.1	No	15	0.002247	0.0005878	6.667	None	x^2	0.01	Param.
Chromium (mg/L)	MW-106	0.0005	0.0005	0.1	No	15	0.0005	0	100	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-109	0.0005	0.0005	0.1	No	15	0.0005	0	100	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-110	0.0005	0.00042	0.1	No	15	0.000488	0.00003189	86.67	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-102	0.0025	0.00023	0.006	No	15	0.002193	0.0008112	86.67	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-103	0.0025	0.00041	0.006	No	15	0.00169	0.001044	60	None	No	0.01	NP (NDs)
Cobalt (mg/L)	**MW-104**	**0.02151**	**0.01396**	**0.006**	**Yes**	**15**	**0.01773**	**0.005574**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	MW-105	0.0025	0.00087	0.006	No	15	0.002249	0.0006682	86.67	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-106	0.0025	0.0004	0.006	No	15	0.0009413	0.000822	20	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-109	0.0071	0.0038	0.006	No	15	0.00487	0.002019	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-110	0.019	0.0043	0.006	No	15	0.00962	0.006769	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	MW-102	1.888	1.199	5	No	15	1.564	0.5477	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-103	7.073	4.841	5	No	15	5.957	1.647	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**MW-104**	**18.57**	**12.66**	**5**	**Yes**	**15**	**15.62**	**4.355**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	MW-105	4.536	2.727	5	No	15	3.631	1.335	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-106	1.235	0.6831	5	No	15	0.9891	0.4802	6.667	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-109	2.358	1.519	5	No	15	1.939	0.6192	0	None	No	0.01	Param.

Confidence Intervals - 100 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/23/2020, 12:29 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-110**	**7.421**	**5.525**	**5**	**Yes**	**15**	**6.473**	**1.399**	**0**	**None**	**No**	**0.01**	**Param.**
Fluoride (mg/L)	MW-102	0.1	0.1	4	No	16	0.1	0	100	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-103	0.1	0.037	4	No	16	0.09606	0.01575	93.75	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-104	0.3604	0.2419	4	No	17	0.3012	0.09453	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-105	0.1	0.041	4	No	16	0.08506	0.02672	75	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-106	0.1	0.1	4	No	16	0.1	0	100	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-109	0.1	0.1	4	No	16	0.1	0	100	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-110	0.1	0.04	4	No	16	0.07744	0.03008	62.5	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-102	0.00025	0.00018	0.015	No	15	0.000238	0.00003256	86.67	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-103	0.00025	0.00011	0.015	No	15	0.0002407	0.00003615	93.33	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-104	0.002435	0.001819	0.015	No	15	0.002127	0.0004543	0	None	No	0.01	Param.
Lead (mg/L)	MW-105	0.00091	0.00012	0.015	No	15	0.0002853	0.000176	86.67	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-106	0.00039	0.00025	0.015	No	15	0.0002593	0.00003615	93.33	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-109	0.00067	0.00011	0.015	No	15	0.0002583	0.0001252	80	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-110	0.0003	0.00025	0.015	No	15	0.0002667	0.00003697	80	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-102	0.0012	0.0009	0.04	No	15	0.001033	0.0001175	80	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-103	0.0021	0.00097	0.04	No	15	0.001511	0.0008075	46.67	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-104	0.03714	0.02113	0.04	No	15	0.02913	0.01181	0	None	No	0.01	Param.
Lithium (mg/L)	MW-105	0.001	0.00039	0.04	No	15	0.0009593	0.0001575	93.33	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-106	0.0012	0.00068	0.04	No	15	0.001554	0.001729	60	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-109	0.006715	0.005036	0.04	No	15	0.005907	0.001312	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	MW-110	0.01062	0.007355	0.04	No	15	0.008987	0.002408	0	None	No	0.01	Param.
Mercury (mg/L)	MW-102	0.0002	0.000094	0.002	No	15	0.0001859	0.0000373	86.67	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-103	0.00062	0.00012	0.002	No	15	0.0002227	0.0001118	86.67	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-104	0.001386	0.0007159	0.002	No	15	0.001079	0.0005394	0	None	sqrt(x)	0.01	Param.
Mercury (mg/L)	MW-105	0.0002	0.0002	0.002	No	15	0.0002	0	100	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-106	0.0002	0.00008	0.002	No	15	0.000192	0.00003098	93.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-109	0.0012	0.000097	0.002	No	15	0.0004598	0.0008017	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	**MW-110**	**0.006132**	**0.003513**	**0.002**	**Yes**	**15**	**0.004823**	**0.001933**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	MW-102	0.003	0.003	0.1	No	15	0.003	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-103	0.003	0.003	0.1	No	15	0.003	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-104	0.003	0.003	0.1	No	15	0.003	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-105	0.005166	0.003321	0.1	No	15	0.00432	0.001598	0	None	x^(1/3)	0.01	Param.
Molybdenum (mg/L)	MW-106	0.003	0.003	0.1	No	15	0.003	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-109	0.003	0.003	0.1	No	15	0.003	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-110	0.003	0.003	0.1	No	15	0.003	0	100	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-102	0.00028	0.00019	0.05	No	15	0.0003007	0.0001946	73.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-103	0.003009	0.001864	0.05	No	15	0.002437	0.0008448	6.667	None	No	0.01	Param.
Selenium (mg/L)	MW-104	0.0129	0.005154	0.05	No	15	0.009027	0.005714	0	None	No	0.01	Param.
Selenium (mg/L)	MW-105	0.00041	0.00025	0.05	No	15	0.0003187	0.0001041	53.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-106	0.00025	0.00025	0.05	No	15	0.00025	0	100	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-109	0.00025	0.00024	0.05	No	15	0.000246	0.00001298	86.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-110	0.003632	0.003168	0.05	No	15	0.0034	0.0003423	0	None	No	0.01	Param.
Thallium (mg/L)	MW-102	0.00021	0.0001	0.002	No	15	0.0001073	0.0000284	93.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-103	0.0001	0.000026	0.002	No	15	0.00009507	0.00001911	93.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-104	0.0003387	0.000228	0.002	No	15	0.0002833	0.00008165	0	None	No	0.01	Param.
Thallium (mg/L)	MW-105	0.00024	0.0001	0.002	No	15	0.0001093	0.00003615	93.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-106	0.0001	0.0001	0.002	No	15	0.0001	0	100	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-109	0.0001	0.0001	0.002	No	15	0.0001	0	100	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-110	0.0002877	0.0002296	0.002	No	15	0.0002587	0.00004291	0	None	No	0.01	Param.

Confidence Intervals - 200 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/23/2020, 12:45 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-200**	**17.8**	**8.54**	**5**	**Yes**	**15**	**13.17**	**6.834**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-201**	**22.8**	**6.52**	**5**	**Yes**	**15**	**13.73**	**8.204**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Combined Radium 226 + 228 (pCi/L)	**MW-206**	**30.5**	**14.05**	**5**	**Yes**	**15**	**22.27**	**12.14**	**0**	**None**	**No**	**0.01**	**Param.**

Confidence Intervals - 200 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/23/2020, 12:45 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-200	0.0025	0.0025	0.006	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-201	0.0025	0.001	0.006	No	13	0.002269	0.0005633	84.62	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-206	0.0025	0.0011	0.006	No	13	0.002392	0.0003883	92.31	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-200	0.003001	0.0007444	0.01	No	15	0.002068	0.00186	6.667	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	MW-201	0.0068	0.000125	0.01	No	15	0.002812	0.003402	33.33	None	No	0.01	NP (normality)
Arsenic (mg/L)	MW-206	0.01058	0.002596	0.01	No	15	0.007283	0.006512	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	MW-200	0.06673	0.03781	2	No	15	0.05227	0.02134	0	None	No	0.01	Param.
Barium (mg/L)	MW-201	0.06965	0.03555	2	No	15	0.0526	0.02516	0	None	No	0.01	Param.
Barium (mg/L)	MW-206	0.1125	0.06188	2	No	15	0.08721	0.03738	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-200	0.0025	0.000045	0.004	No	15	0.002336	0.0006339	93.33	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-201	0.0025	0.000069	0.004	No	15	0.002338	0.0006277	93.33	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-206	0.0025	0.00048	0.004	No	15	0.001933	0.0009794	73.33	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-200	0.0025	0.00091	0.005	No	14	0.002101	0.0008	78.57	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-201	0.014	0.002	0.005	No	15	0.006787	0.00569	6.667	None	No	0.01	NP (normality)
Cadmium (mg/L)	MW-206	0.0031	0.00055	0.005	No	15	0.001848	0.001092	0	None	No	0.01	NP (normality)
Chromium (mg/L)	MW-200	0.0005	0.0005	0.1	No	12	0.0005	0	100	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-201	0.0005	0.0005	0.1	No	12	0.0005	0	100	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-206	0.0026	0.0005	0.1	No	12	0.000675	0.0006062	91.67	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-200	0.001801	0.0008581	0.006	No	15	0.001479	0.0006495	20	Kaplan-Meier	No	0.01	Param.
Cobalt (mg/L)	MW-201	0.003079	0.001488	0.006	No	15	0.002357	0.001328	6.667	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	MW-206	0.004913	0.00235	0.006	No	15	0.003631	0.001891	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**MW-200**	**17.8**	**8.54**	**5**	**Yes**	**15**	**13.17**	**6.834**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-201**	**22.8**	**6.52**	**5**	**Yes**	**15**	**13.73**	**8.204**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Combined Radium 226 + 228 (pCi/L)	**MW-206**	**30.5**	**14.05**	**5**	**Yes**	**15**	**22.27**	**12.14**	**0**	**None**	**No**	**0.01**	**Param.**
Fluoride (mg/L)	MW-200	0.1	0.05	4	No	16	0.08313	0.06201	18.75	None	No	0.01	NP (normality)
Fluoride (mg/L)	MW-201	0.7717	0.4895	4	No	17	0.6306	0.2252	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-206	0.08341	0.05144	4	No	17	0.06876	0.02648	5.882	None	sqrt(x)	0.01	Param.
Lead (mg/L)	MW-200	0.001449	0.000788	0.015	No	15	0.001119	0.000488	13.33	None	No	0.01	Param.
Lead (mg/L)	MW-201	0.0013	0.00061	0.015	No	15	0.001095	0.0003561	73.33	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-206	0.01	0.0011	0.015	No	15	0.005958	0.003938	0	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-200	0.0024	0.001	0.04	No	15	0.001807	0.002322	73.33	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-201	0.008046	0.002491	0.04	No	15	0.006607	0.008166	13.33	None	ln(x)	0.01	Param.
Lithium (mg/L)	MW-206	0.0012	0.001	0.04	No	15	0.00104	0.0001121	86.67	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-200	0.002366	0.001114	0.002	No	15	0.00174	0.0009231	0	None	No	0.01	Param.
Mercury (mg/L)	MW-201	0.0026	0.00032	0.002	No	15	0.001437	0.001043	0	None	No	0.01	NP (normality)
Mercury (mg/L)	MW-206	0.0005009	0.0001775	0.002	No	15	0.0003553	0.0002907	20	Kaplan-Meier	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	MW-200	0.0078	0.003	0.1	No	13	0.003369	0.001331	92.31	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-201	0.003	0.0015	0.1	No	13	0.002885	0.000416	92.31	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-206	0.003	0.00092	0.1	No	13	0.00284	0.0005769	92.31	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-200	0.01309	0.005564	0.05	No	15	0.009733	0.005671	0	None	sqrt(x)	0.01	Param.
Selenium (mg/L)	MW-201	0.01279	0.004885	0.05	No	15	0.00884	0.005836	0	None	No	0.01	Param.
Selenium (mg/L)	MW-206	0.01917	0.0133	0.05	No	15	0.01623	0.00433	0	None	No	0.01	Param.
Thallium (mg/L)	MW-200	0.000334	0.0001185	0.002	No	15	0.0002132	0.0001739	26.67	Kaplan-Meier	sqrt(x)	0.01	Param.
Thallium (mg/L)	MW-201	0.0004346	0.0002054	0.002	No	15	0.00032	0.0001691	0	None	No	0.01	Param.
Thallium (mg/L)	MW-206	0.0008338	0.0004617	0.002	No	15	0.000604	0.0003094	0	None	x^2	0.01	Param.

Confidence Intervals - 300 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/25/2020, 9:40 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	**MW-304**	**0.02197**	**0.008227**	**0.006**	**Yes**	**9**	**0.0151**	**0.007119**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	**MW-303**	**1.649**	**0.9154**	**0.1**	**Yes**	**15**	**1.31**	**0.5757**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**

Confidence Intervals - 300 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/25/2020, 9:40 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-300	0.0025	0.0025	0.006	No	12	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-303	0.0025	0.0025	0.006	No	12	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-304	0.0025	0.0025	0.006	No	12	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-305	0.0025	0.0025	0.006	No	12	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-308	0.0025	0.0025	0.006	No	12	0.0025	0	100	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-300	0.00025	0.00025	0.01	No	13	0.00025	0	100	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-303	0.0018	0.00025	0.01	No	13	0.0008015	0.0007145	46.15	None	No	0.01	NP (normality)
Arsenic (mg/L)	MW-304	0.002727	0.0004109	0.01	No	10	0.00179	0.001949	10	None	ln(x)	0.01	Param.
Arsenic (mg/L)	MW-305	0.00042	0.00025	0.01	No	13	0.0002631	0.00004715	92.31	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-308	0.00046	0.00025	0.01	No	13	0.0002662	0.00005824	92.31	None	No	0.01	NP (NDs)
Barium (mg/L)	MW-300	0.012	0.01	2	No	15	0.01133	0.0008165	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-303	0.04326	0.02774	2	No	15	0.03613	0.01279	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	MW-304	0.04313	0.02887	2	No	15	0.036	0.01053	0	None	No	0.01	Param.
Barium (mg/L)	MW-305	0.026	0.016	2	No	15	0.01927	0.005338	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-308	0.02761	0.02106	2	No	15	0.02433	0.004835	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-300	0.0005	0.0005	0.004	No	12	0.0005	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-303	0.0005	0.000074	0.004	No	12	0.0004645	0.000123	91.67	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-304	0.0005	0.0005	0.004	No	12	0.0005	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-305	0.0005	0.0005	0.004	No	12	0.0005	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-308	0.0005	0.0005	0.004	No	12	0.0005	0	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-300	0.0005	0.000075	0.005	No	15	0.0004717	0.0001097	93.33	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-303	0.0005524	0.0003624	0.005	No	15	0.000478	0.0001275	20	Kaplan-Meier	No	0.01	Param.
Cadmium (mg/L)	MW-304	0.00073	0.0005	0.005	No	15	0.0005487	0.0001382	86.67	Kaplan-Meier	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-305	0.0005	0.000076	0.005	No	15	0.0004717	0.0001095	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-308	0.0005	0.000089	0.005	No	15	0.0004726	0.0001061	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	MW-300	0.0037	0.0005	0.1	No	12	0.0007667	0.0009238	91.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-303	0.0005	0.0005	0.1	No	12	0.0005	0	100	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-304	0.0012	0.0005	0.1	No	12	0.0005583	0.0002021	91.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-305	0.0025	0.0005	0.1	No	12	0.0006667	0.0005774	91.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-308	0.00082	0.0005	0.1	No	12	0.0005267	0.00009238	91.67	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-300	0.00093	0.00024	0.006	No	15	0.0004933	0.0001523	80	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-303	0.0006733	0.0005057	0.006	No	15	0.0005713	0.0001161	33.33	Kaplan-Meier	No	0.01	Param.
Cobalt (mg/L)	**MW-304**	**0.02197**	**0.008227**	**0.006**	**Yes**	**9**	**0.0151**	**0.007119**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	MW-305	0.00063	0.00044	0.006	No	15	0.0005393	0.0001674	26.67	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-308	0.00056	0.0005	0.006	No	15	0.0005127	0.00003595	86.67	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	MW-300	5.616	4.756	5	No	15	5.186	0.6346	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-303	6.34	4.37	5	No	15	6.003	2.078	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	MW-304	7.4	4.046	5	No	15	5.723	2.475	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-305	1.636	1.261	5	No	15	1.455	0.289	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-308	3.075	2.191	5	No	15	2.633	0.6525	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-300	0.1	0.041	4	No	16	0.09631	0.01475	93.75	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-303	0.2564	0.1672	4	No	17	0.2118	0.07117	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-304	0.09902	0.05045	4	No	16	0.09875	0.03538	50	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride (mg/L)	MW-305	0.1	0.035	4	No	16	0.09594	0.01625	93.75	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-308	0.1388	0.08007	4	No	17	0.1094	0.04683	0	None	No	0.01	Param.
Lead (mg/L)	MW-300	0.00025	0.000083	0.015	No	12	0.0002361	0.00004821	91.67	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-303	0.00025	0.00011	0.015	No	12	0.0002383	0.00004041	91.67	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-304	0.00086	0.00022	0.015	No	12	0.0004517	0.0003539	50	None	No	0.01	NP (normality)
Lead (mg/L)	MW-305	0.00025	0.00025	0.015	No	12	0.00025	0	100	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-308	0.00025	0.00025	0.015	No	12	0.00025	0	100	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-300	0.0014	0.00062	0.04	No	15	0.000976	0.0001773	80	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-303	0.02819	0.02272	0.04	No	15	0.02553	0.004224	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	MW-304	0.0023	0.001	0.04	No	15	0.0015	0.001047	66.67	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-305	0.0014	0.00054	0.04	No	15	0.0009607	0.000212	80	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-308	0.0011	0.001	0.04	No	15	0.001107	0.0002865	73.33	None	No	0.01	NP (NDs)

Confidence Intervals - 300 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/25/2020, 9:40 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	MW-300	0.0002	0.0002	0.002	No	15	0.0002	0	100	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-303	0.0002	0.0002	0.002	No	15	0.0002	0	100	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-304	0.0006998	0.0002354	0.002	No	15	0.0004904	0.0003308	20	Kaplan-Meier	No	0.01	Param.
Mercury (mg/L)	MW-305	0.0002	0.0002	0.002	No	15	0.0002	0	100	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	MW-308	0.0002	0.0002	0.002	No	15	0.0002	0	100	Kaplan-Meier	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-300	0.003	0.003	0.1	No	15	0.003	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	**MW-303**	**1.649**	**0.9154**	**0.1**	**Yes**	**15**	**1.31**	**0.5757**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Molybdenum (mg/L)	MW-304	0.0043	0.0029	0.1	No	15	0.003413	0.001187	53.33	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-305	0.003	0.0016	0.1	No	15	0.002907	0.0003615	93.33	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-308	0.003	0.00098	0.1	No	15	0.002865	0.0005216	93.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-300	0.00025	0.00025	0.05	No	15	0.00025	0	100	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-303	0.006291	0.003736	0.05	No	15	0.005013	0.001885	0	None	No	0.01	Param.
Selenium (mg/L)	MW-304	0.006771	0.003958	0.05	No	14	0.005364	0.001986	0	None	No	0.01	Param.
Selenium (mg/L)	MW-305	0.00027	0.00025	0.05	No	15	0.0002513	0.00000516	93.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-308	0.005909	0.003557	0.05	No	15	0.004733	0.001736	0	None	No	0.01	Param.
Thallium (mg/L)	MW-300	0.0001	0.0001	0.002	No	15	0.0001	0	100	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-303	0.0002269	0.0001691	0.002	No	15	0.000198	0.00004263	6.667	None	No	0.01	Param.
Thallium (mg/L)	MW-304	0.0002047	0.0001226	0.002	No	15	0.0001637	0.00006061	13.33	None	No	0.01	Param.
Thallium (mg/L)	MW-305	0.0001	0.0001	0.002	No	15	0.0001	0	100	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-308	0.0003025	0.0002109	0.002	No	15	0.0002567	0.00006758	6.667	None	No	0.01	Param.

Prediction Limits - 100, 200 & 300 Series

100 Series

Appendix III Interwell Prediction Limits - 100 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/22/2020, 2:48 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-103	0.081	n/a	4/17/2020	0.31	Yes	96	n/a	n/a	84.38	n/a	n/a	0.0002106	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-104	0.081	n/a	4/18/2020	11	Yes	96	n/a	n/a	84.38	n/a	n/a	0.0002106	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-105	0.081	n/a	4/18/2020	1.7	Yes	96	n/a	n/a	84.38	n/a	n/a	0.0002106	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-109	0.081	n/a	4/17/2020	0.83	Yes	96	n/a	n/a	84.38	n/a	n/a	0.0002106	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-110	0.081	n/a	4/17/2020	4.6	Yes	96	n/a	n/a	84.38	n/a	n/a	0.0002106	NP Inter (NDs) 1 of 2
Calcium (mg/L)	MW-103	1.426	n/a	4/17/2020	3.5	Yes	96	0.8884	0.1259	0	None	x^(1/3)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	MW-104	1.426	n/a	4/18/2020	62	Yes	96	0.8884	0.1259	0	None	x^(1/3)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	MW-105	1.426	n/a	4/18/2020	58	Yes	96	0.8884	0.1259	0	None	x^(1/3)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	MW-109	1.426	n/a	4/17/2020	5.2	Yes	96	0.8884	0.1259	0	None	x^(1/3)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	MW-110	1.426	n/a	4/17/2020	29	Yes	96	0.8884	0.1259	0	None	x^(1/3)	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-103	6.765	n/a	4/17/2020	20	Yes	96	5.206	0.8278	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-104	6.765	n/a	4/18/2020	130	Yes	96	5.206	0.8278	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-105	6.765	n/a	4/18/2020	73	Yes	96	5.206	0.8278	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-109	6.765	n/a	4/17/2020	29	Yes	96	5.206	0.8278	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	MW-110	6.765	n/a	4/17/2020	120	Yes	96	5.206	0.8278	0	None	No	0.001075	Param Inter 1 of 2
Field pH (SU)	MW-104	6.42	4.5	4/18/2020	4.08	Yes	95	n/a	n/a	0	n/a	n/a	0.00043	NP Inter (normality) 1 of 2
Fluoride (mg/L)	MW-104	0.12	n/a	4/18/2020	0.3	Yes	96	n/a	n/a	97.92	n/a	n/a	0.0002106	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-103	5	n/a	4/17/2020	31	Yes	95	n/a	n/a	75.79	n/a	n/a	0.000215	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-104	5	n/a	4/18/2020	670	Yes	95	n/a	n/a	75.79	n/a	n/a	0.000215	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-105	5	n/a	4/18/2020	32	Yes	95	n/a	n/a	75.79	n/a	n/a	0.000215	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-109	5	n/a	4/17/2020	12	Yes	95	n/a	n/a	75.79	n/a	n/a	0.000215	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-110	5	n/a	4/17/2020	280	Yes	95	n/a	n/a	75.79	n/a	n/a	0.000215	NP Inter (NDs) 1 of 2
Total Dissolved Solids (mg/L)	MW-104	110	n/a	4/18/2020	1100	Yes	96	n/a	n/a	28.13	n/a	n/a	0.0002106	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-105	110	n/a	4/18/2020	180	Yes	96	n/a	n/a	28.13	n/a	n/a	0.0002106	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-110	110	n/a	4/17/2020	600	Yes	96	n/a	n/a	28.13	n/a	n/a	0.0002106	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - 100 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/22/2020, 2:48 PM

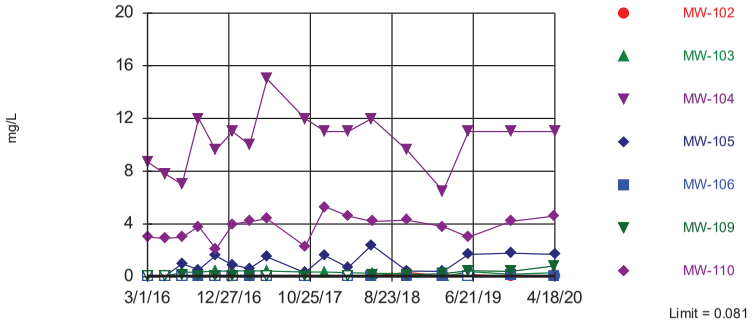
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-102	0.081	n/a	4/18/2020	0.012	No	96	n/a	n/a	84.38	n/a	n/a	0.0002106	NP Inter (NDs) 1 of 2
Boron (mg/L)	**MW-103**	**0.081**	**n/a**	**4/17/2020**	**0.31**	**Yes**	**96**	**n/a**	**n/a**	**84.38**	**n/a**	**n/a**	**0.0002106**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-104**	**0.081**	**n/a**	**4/18/2020**	**11**	**Yes**	**96**	**n/a**	**n/a**	**84.38**	**n/a**	**n/a**	**0.0002106**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-105**	**0.081**	**n/a**	**4/18/2020**	**1.7**	**Yes**	**96**	**n/a**	**n/a**	**84.38**	**n/a**	**n/a**	**0.0002106**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	MW-106	0.081	n/a	4/17/2020	0.07	No	96	n/a	n/a	84.38	n/a	n/a	0.0002106	NP Inter (NDs) 1 of 2
Boron (mg/L)	**MW-109**	**0.081**	**n/a**	**4/17/2020**	**0.83**	**Yes**	**96**	**n/a**	**n/a**	**84.38**	**n/a**	**n/a**	**0.0002106**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-110**	**0.081**	**n/a**	**4/17/2020**	**4.6**	**Yes**	**96**	**n/a**	**n/a**	**84.38**	**n/a**	**n/a**	**0.0002106**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	MW-102	1.426	n/a	4/18/2020	0.45	No	96	0.8884	0.1259	0	None	x^(1/3)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	**MW-103**	**1.426**	**n/a**	**4/17/2020**	**3.5**	**Yes**	**96**	**0.8884**	**0.1259**	**0**	**None**	**x^(1/3)**	**0.001075**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-104**	**1.426**	**n/a**	**4/18/2020**	**62**	**Yes**	**96**	**0.8884**	**0.1259**	**0**	**None**	**x^(1/3)**	**0.001075**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-105**	**1.426**	**n/a**	**4/18/2020**	**58**	**Yes**	**96**	**0.8884**	**0.1259**	**0**	**None**	**x^(1/3)**	**0.001075**	**Param Inter 1 of 2**
Calcium (mg/L)	MW-106	1.426	n/a	4/17/2020	0.42	No	96	0.8884	0.1259	0	None	x^(1/3)	0.001075	Param Inter 1 of 2
Calcium (mg/L)	**MW-109**	**1.426**	**n/a**	**4/17/2020**	**5.2**	**Yes**	**96**	**0.8884**	**0.1259**	**0**	**None**	**x^(1/3)**	**0.001075**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-110**	**1.426**	**n/a**	**4/17/2020**	**29**	**Yes**	**96**	**0.8884**	**0.1259**	**0**	**None**	**x^(1/3)**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	MW-102	6.765	n/a	4/18/2020	6.3	No	96	5.206	0.8278	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	**MW-103**	**6.765**	**n/a**	**4/17/2020**	**20**	**Yes**	**96**	**5.206**	**0.8278**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-104**	**6.765**	**n/a**	**4/18/2020**	**130**	**Yes**	**96**	**5.206**	**0.8278**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-105**	**6.765**	**n/a**	**4/18/2020**	**73**	**Yes**	**96**	**5.206**	**0.8278**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	MW-106	6.765	n/a	4/17/2020	4.8	No	96	5.206	0.8278	0	None	No	0.001075	Param Inter 1 of 2
Chloride (mg/L)	**MW-109**	**6.765**	**n/a**	**4/17/2020**	**29**	**Yes**	**96**	**5.206**	**0.8278**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-110**	**6.765**	**n/a**	**4/17/2020**	**120**	**Yes**	**96**	**5.206**	**0.8278**	**0**	**None**	**No**	**0.001075**	**Param Inter 1 of 2**
Field pH (SU)	MW-102	6.42	4.5	4/18/2020	4.96	No	95	n/a	n/a	0	n/a	n/a	0.00043	NP Inter (normality) 1 of 2
Field pH (SU)	MW-103	6.42	4.5	4/17/2020	5.07	No	95	n/a	n/a	0	n/a	n/a	0.00043	NP Inter (normality) 1 of 2
Field pH (SU)	**MW-104**	**6.42**	**4.5**	**4/18/2020**	**4.08**	**Yes**	**95**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00043**	**NP Inter (normality) 1 of 2**
Field pH (SU)	MW-105	6.42	4.5	4/18/2020	6.21	No	95	n/a	n/a	0	n/a	n/a	0.00043	NP Inter (normality) 1 of 2
Field pH (SU)	MW-106	6.42	4.5	4/17/2020	5.23	No	95	n/a	n/a	0	n/a	n/a	0.00043	NP Inter (normality) 1 of 2
Field pH (SU)	MW-109	6.42	4.5	4/17/2020	4.75	No	95	n/a	n/a	0	n/a	n/a	0.00043	NP Inter (normality) 1 of 2
Field pH (SU)	MW-110	6.42	4.5	4/17/2020	4.7	No	95	n/a	n/a	0	n/a	n/a	0.00043	NP Inter (normality) 1 of 2
Fluoride (mg/L)	MW-102	0.12	n/a	4/18/2020	0.1ND	No	96	n/a	n/a	97.92	n/a	n/a	0.0002106	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-103	0.12	n/a	4/17/2020	0.1ND	No	96	n/a	n/a	97.92	n/a	n/a	0.0002106	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-104**	**0.12**	**n/a**	**4/18/2020**	**0.3**	**Yes**	**96**	**n/a**	**n/a**	**97.92**	**n/a**	**n/a**	**0.0002106**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	MW-105	0.12	n/a	4/18/2020	0.04J	No	96	n/a	n/a	97.92	n/a	n/a	0.0002106	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-106	0.12	n/a	4/17/2020	0.1ND	No	96	n/a	n/a	97.92	n/a	n/a	0.0002106	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-109	0.12	n/a	4/17/2020	0.1ND	No	96	n/a	n/a	97.92	n/a	n/a	0.0002106	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-110	0.12	n/a	4/17/2020	0.04J	No	96	n/a	n/a	97.92	n/a	n/a	0.0002106	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-102	5	n/a	4/18/2020	5ND	No	95	n/a	n/a	75.79	n/a	n/a	0.000215	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-103**	**5**	**n/a**	**4/17/2020**	**31**	**Yes**	**95**	**n/a**	**n/a**	**75.79**	**n/a**	**n/a**	**0.000215**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-104**	**5**	**n/a**	**4/18/2020**	**670**	**Yes**	**95**	**n/a**	**n/a**	**75.79**	**n/a**	**n/a**	**0.000215**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-105**	**5**	**n/a**	**4/18/2020**	**32**	**Yes**	**95**	**n/a**	**n/a**	**75.79**	**n/a**	**n/a**	**0.000215**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	MW-106	5	n/a	4/17/2020	5ND	No	95	n/a	n/a	75.79	n/a	n/a	0.000215	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-109**	**5**	**n/a**	**4/17/2020**	**12**	**Yes**	**95**	**n/a**	**n/a**	**75.79**	**n/a**	**n/a**	**0.000215**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-110**	**5**	**n/a**	**4/17/2020**	**280**	**Yes**	**95**	**n/a**	**n/a**	**75.79**	**n/a**	**n/a**	**0.000215**	**NP Inter (NDs) 1 of 2**
Total Dissolved Solids (mg/L)	MW-102	110	n/a	4/18/2020	54	No	96	n/a	n/a	28.13	n/a	n/a	0.0002106	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-103	110	n/a	4/17/2020	70	No	96	n/a	n/a	28.13	n/a	n/a	0.0002106	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-104**	**110**	**n/a**	**4/18/2020**	**1100**	**Yes**	**96**	**n/a**	**n/a**	**28.13**	**n/a**	**n/a**	**0.0002106**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-105**	**110**	**n/a**	**4/18/2020**	**180**	**Yes**	**96**	**n/a**	**n/a**	**28.13**	**n/a**	**n/a**	**0.0002106**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	MW-106	110	n/a	4/17/2020	48	No	96	n/a	n/a	28.13	n/a	n/a	0.0002106	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-109	110	n/a	4/17/2020	28	No	96	n/a	n/a	28.13	n/a	n/a	0.0002106	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-110**	**110**	**n/a**	**4/17/2020**	**600**	**Yes**	**96**	**n/a**	**n/a**	**28.13**	**n/a**	**n/a**	**0.0002106**	**NP Inter (normality) 1 of 2**

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-103, MW-104, MW-105, MW-109, MW-110

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 96 background values. 84.38% NDs. Annual per-constituent alpha = 0.002944. Individual comparison alpha = 0.0002106 (1 of 2). Comparing 7 points to limit.

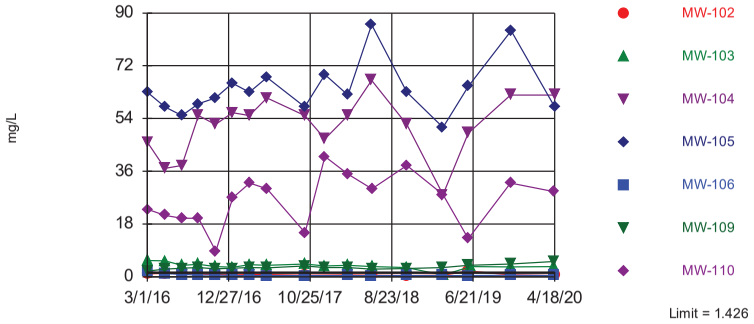
Constituent: Boron Analysis Run 6/22/2020 2:47 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Exceeds Limit: MW-103, MW-104, MW-105, MW-109, MW-110

Prediction Limit

Interwell Parametric



Background Data Summary (based on cube root transformation): Mean=0.8884, Std. Dev.=0.1259, n=96. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9651, critical = 0.965. Kappa = 1.883 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.001075. Comparing 7 points to limit.

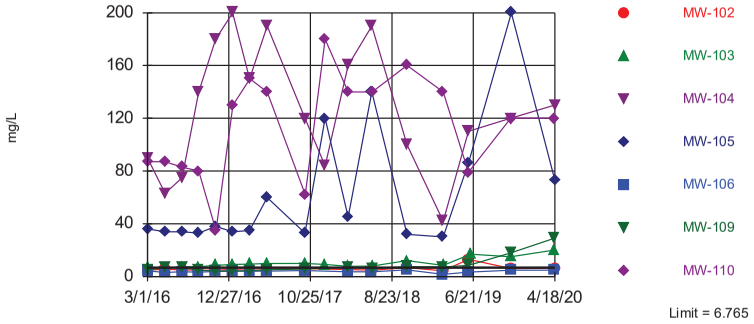
Constituent: Calcium Analysis Run 6/22/2020 2:47 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Exceeds Limit: MW-103, MW-104, MW-105, MW-109, MW-110

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=5.206, Std. Dev.=0.8278, n=96. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.97, critical = 0.965. Kappa = 1.883 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.001075. Comparing 7 points to limit.

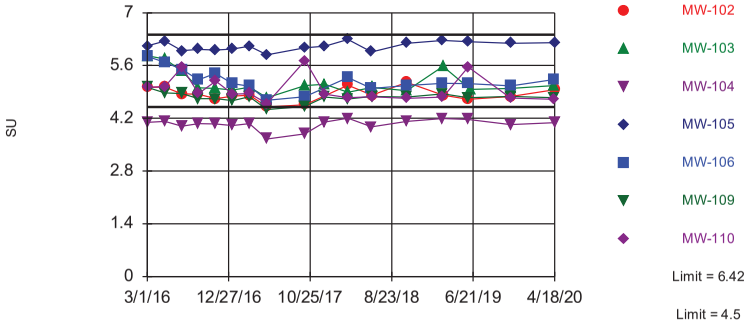
Constituent: Chloride Analysis Run 6/22/2020 2:47 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Exceeds Limits: MW-104

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. Limits are highest and lowest of 95 background values. Annual per-constituent alpha = 0.006012. Individual comparison alpha = 0.00043 (1 of 2). Comparing 7 points to limit.

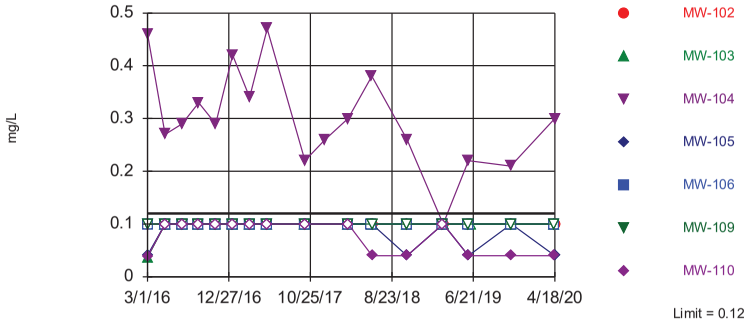
Constituent: Field pH Analysis Run 6/22/2020 2:47 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-104

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 96 background values. 97.92% NDs. Annual per-constituent alpha = 0.002944. Individual comparison alpha = 0.0002106 (1 of 2). Comparing 7 points to limit.

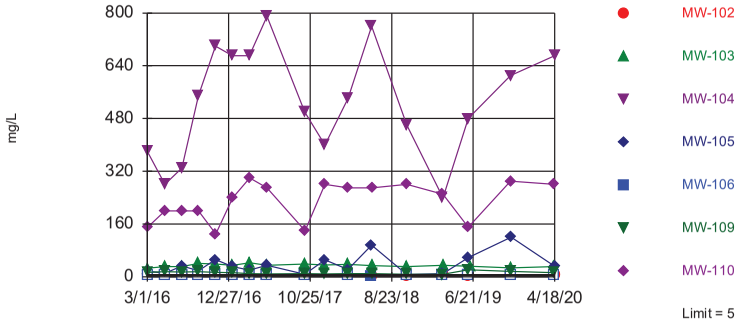
Constituent: Fluoride Analysis Run 6/22/2020 2:47 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-103, MW-104, MW-105, MW-109, MW-110

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 95 background values. 75.79% NDs. Annual per-constituent alpha = 0.003006. Individual comparison alpha = 0.000215 (1 of 2). Comparing 7 points to limit.

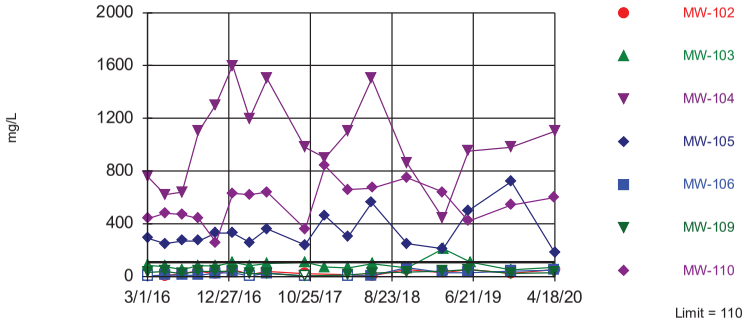
Constituent: Sulfate Analysis Run 6/22/2020 2:47 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-104, MW-105, MW-110

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 96 background values. 28.13% NDs. Annual per-constituent alpha = 0.002944. Individual comparison alpha = 0.0002106 (1 of 2). Comparing 7 points to limit.

Constituent: Total Dissolved Solids Analysis Run 6/22/2020 2:47 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 6/22/2020 2:48 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-106	MW-306 (bg)	MW-103	MW-104	MW-105
2/29/2016	<0.05	<0.05	<0.05	<0.05					
3/1/2016					<0.05	<0.05	<0.05	8.7	<0.05
3/2/2016									
5/2/2016	<0.05	<0.05	<0.05						
5/3/2016						<0.05			
5/4/2016				<0.05	<0.05				
5/5/2016							<0.05	7.8	<0.05
7/5/2016	<0.05	<0.05	<0.05			<0.05			
7/7/2016							0.33	7	1
7/8/2016				<0.05	<0.05				
9/6/2016	<0.05	<0.05	<0.05	<0.05		<0.05			
9/7/2016					0.022 (J)		0.37	12	0.53
11/7/2016	<0.05	<0.05	<0.05			<0.05			
11/9/2016					<0.05			9.6	1.6
11/10/2016				<0.05			0.43		
1/9/2017	<0.05	<0.05	<0.05			<0.05			
1/11/2017				<0.05	<0.05			11	0.9
1/12/2017							0.44		
3/13/2017	<0.05	0.022 (J)	<0.05			<0.05			
3/14/2017				<0.05	0.071			10	0.63
3/15/2017							0.46		
5/15/2017	<0.05	<0.05	<0.05			<0.05			
5/18/2017				<0.05	<0.05		0.44	15	1.5
10/2/2017	<0.05	0.023 (J)	<0.05			<0.05			
10/5/2017				<0.05	<0.05			12	0.32
10/6/2017							0.37		
12/19/2017							0.35 (R)	11 (R)	1.6 (R)
3/12/2018	<0.05	<0.05	<0.05			<0.05			
3/14/2018				<0.05	<0.05		0.32	11	0.7
6/5/2018	<0.05	<0.05	<0.05						
6/6/2018						<0.05			
6/10/2018				<0.05	0.066			12	2.4
6/11/2018							0.26		
10/16/2018	<0.05	<0.05	<0.05						
10/17/2018						<0.05			
10/18/2018				0.081	0.067		0.25	9.6	0.43
10/19/2018									
2/27/2019	<0.05	<0.05	<0.05	<0.05		<0.05			
3/1/2019					0.048 (J)			6.5	0.4
3/2/2019							<0.05		
5/31/2019	<0.05	<0.05	<0.05	<0.05		<0.05			
6/3/2019					<0.05			11	1.7
6/11/2019							0.39		
11/6/2019	0.017 (V)	0.022 (V)	0.016 (V)	0.016 (V)		0.011 (V)			
11/7/2019							0.19	11	
11/9/2019					0.097 (V)				1.8
4/16/2020	0.02	0.017	0.013	0.013		0.0075 (J)			
4/17/2020					0.07		0.31		
4/18/2020								11	1.7

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 6/22/2020 2:48 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-102	MW-307 (bg)	MW-110	MW-109
2/29/2016				
3/1/2016	<0.05	<0.05		
3/2/2016			3	<0.05
5/2/2016		<0.05		
5/3/2016				
5/4/2016				
5/5/2016	<0.05		2.9	<0.05
7/5/2016		<0.05		
7/7/2016	<0.05		3	0.1
7/8/2016				
9/6/2016	<0.05	<0.05		
9/7/2016			3.8	0.073
11/7/2016		<0.05		
11/9/2016				
11/10/2016	<0.05		2.1	0.073
1/9/2017		<0.05		
1/11/2017				
1/12/2017	<0.05		4	0.059
3/13/2017		<0.05		
3/14/2017				0.044 (J)
3/15/2017	<0.05		4.2	
5/15/2017		<0.05		
5/18/2017	<0.05		4.4	<0.05
10/2/2017		<0.05		
10/5/2017				0.047 (J)
10/6/2017	<0.05		2.3	
12/19/2017			5.3 (R)	
3/12/2018		<0.05		
3/14/2018	<0.05		4.6	<0.05
6/5/2018				
6/6/2018		<0.05		
6/10/2018				
6/11/2018	<0.05		4.2	0.11
10/16/2018				
10/17/2018		<0.05		
10/18/2018			4.3	0.15
10/19/2018	0.34			
2/27/2019		<0.05		
3/1/2019			3.8	0.23
3/2/2019	<0.05			
5/31/2019		<0.05		
6/3/2019	0.17		3	0.45
6/11/2019				
11/6/2019		0.0099 (J)		
11/7/2019			4.2	0.42
11/9/2019	0.023 (J)			
4/16/2020		0.0055 (J)		
4/17/2020			4.6	0.83
4/18/2020	0.012			

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 6/22/2020 2:48 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-105	MW-104	MW-102	MW-306 (bg)	MW-307 (bg)
2/29/2016	1	0.67	1.4	1 (J)					
3/1/2016					63	46	0.99 (J)	0.6	1.5
3/2/2016									
5/2/2016	0.78	0.58	1.1						0.83
5/3/2016								0.55	
5/4/2016				0.62					
5/5/2016					58	37	1.2		
7/5/2016	0.65	0.43	0.94					0.53	1.6
7/7/2016					55	38	1.1		
7/8/2016				0.4					
9/6/2016	0.7	0.48	1	0.45			1	0.5	1.6
9/7/2016					59	55			
11/7/2016	0.8	0.56	1.2					0.68	1.5
11/9/2016					61	52			
11/10/2016				0.44			0.73		
1/9/2017	0.74	0.43	1.2					0.56	0.98
1/11/2017				0.42	66	56			
1/12/2017							0.63		
3/13/2017	0.78	0.48	1.3					0.62	0.75
3/14/2017				0.42	63	55			
3/15/2017							0.72		
5/15/2017	0.76	0.37	1					0.58	0.83
5/18/2017				0.38	68	61	0.71		
10/2/2017	0.78	0.47	1.2					0.62	0.83
10/5/2017				0.39	58	55			
10/6/2017							0.56		
12/19/2017					69 (R)	47 (R)			
3/12/2018	0.88	0.49	1.4					0.59	0.71
3/14/2018				0.49	62	55	0.63		
6/5/2018	0.9	0.49	1.2						
6/6/2018								0.59	0.68
6/10/2018				0.39	86	67			
6/11/2018							0.55		
10/16/2018	0.86	0.42	1.4						
10/17/2018								0.54	0.66
10/18/2018				0.41	63	52			
10/19/2018							0.37		
2/27/2019	0.96	0.56	1.3	0.44				0.63	0.7
3/1/2019					51	28			
3/2/2019							0.57		
5/31/2019	0.76	0.33	1.1	0.28				0.45	0.52
6/3/2019					65	49	2		
6/11/2019									
11/6/2019	0.88	0.49	1.2	0.46				0.55	0.74
11/7/2019						62			
11/9/2019					84		0.61 (V)		
4/16/2020	0.84	0.36	1.3	0.38				0.53	0.59
4/17/2020									
4/18/2020					58	62	0.45		

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 6/22/2020 2:48 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-103	MW-106	MW-109	MW-110
2/29/2016				
3/1/2016	5.6	1.8		
3/2/2016			2	23
5/2/2016				
5/3/2016				
5/4/2016		1.1		
5/5/2016	5.4		2.6	21
7/5/2016				
7/7/2016	3.9		2.9	20
7/8/2016		0.82		
9/6/2016				
9/7/2016	4.2	0.57	3.1	20
11/7/2016				
11/9/2016		0.62		
11/10/2016	3.5		2.7	8.7
1/9/2017				
1/11/2017		0.44		
1/12/2017	3.3		2.9	27
3/13/2017				
3/14/2017		0.46	3.1	
3/15/2017	4.1			32
5/15/2017				
5/18/2017	3.9	0.41	3	30
10/2/2017				
10/5/2017		0.39	3.7	
10/6/2017	4.3			15
12/19/2017	3.7 (R)		3.1 (R)	41 (R)
3/12/2018				
3/14/2018	3.9	0.47	3.1	35
6/5/2018				
6/6/2018				
6/10/2018		0.39		
6/11/2018	3.5		2.6	30
10/16/2018				
10/17/2018				
10/18/2018	3.1	0.47	2.8	38
10/19/2018				
2/27/2019				
3/1/2019		0.46	3.1	28
3/2/2019	0.56			
5/31/2019				
6/3/2019		0.38	3.9	13
6/11/2019	3.5			
11/6/2019				
11/7/2019	3.4		4.3	32
11/9/2019		0.56 (V)		
4/16/2020				
4/17/2020	3.5	0.42	5.2	29
4/18/2020				

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 6/22/2020 2:48 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-106	MW-306 (bg)	MW-103	MW-104	MW-105
2/29/2016	5.3	7.4	8.1	5.4					
3/1/2016					4.4	5.6	6.6	90	36
3/2/2016									
5/2/2016	4.4	6.3	6						
5/3/2016						5.1			
5/4/2016				4.5	3				
5/5/2016							6.5	63	34
7/5/2016	4.2	4.8	5.2			4.7			
7/7/2016							7.3	75	34
7/8/2016				4.9	3.5				
9/6/2016	4.3	6	5.5	4.3		4.4			
9/7/2016					3.3		7.4	140	33
11/7/2016	4.2	5.7	5.4			4.6			
11/9/2016					3.9			180	38
11/10/2016				4.5			8.4		
1/9/2017	5.3	6.8	6.1			5.3			
1/11/2017				5.3	4.1			200	34
1/12/2017							9.2		
3/13/2017	5.2	6.8	5.5			5.6			
3/14/2017				5.5	4			150	35
3/15/2017							9.5		
5/15/2017	4.8	6.1	4.7			5.2			
5/18/2017				5	4		9.9	190	60
10/2/2017	5.5	6	6.1			5.5			
10/5/2017				5.6	4.5			120	33
10/6/2017							10		
12/19/2017							9.3 (R)	84 (R)	120 (R)
3/12/2018	5.3	5.9	6.1			5.6			
3/14/2018				5.2	3.7		7.7	160	45
6/5/2018	5.3	6.5	5.5						
6/6/2018						5.6			
6/10/2018				5.2	3.6			190	140
6/11/2018							8		
10/16/2018	5.5	5.9	5.1						
10/17/2018						5.5			
10/18/2018				5.2	5		12	100	32
10/19/2018									
2/27/2019	4.6	4.3	5	5.1		5.1			
3/1/2019					1.7 (J)			42	30
3/2/2019							8.5		
5/31/2019	5.1	4.5	5.4	5		5.4			
6/3/2019					3.3			110	86
6/11/2019							17		
11/6/2019	5.8	5.7	6.1	6		5.9			
11/7/2019							15	120	
11/9/2019					4.7				200
4/16/2020	6.1	5.6	5.3	5.8		6.2			
4/17/2020					4.8		20		
4/18/2020								130	73

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 6/22/2020 2:48 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-102	MW-307 (bg)	MW-110	MW-109
2/29/2016				
3/1/2016	4.8	4		
3/2/2016			87	5
5/2/2016		3.6		
5/3/2016				
5/4/2016				
5/5/2016	5.6		87	6.8
7/5/2016		3.6		
7/7/2016	5		83	6.7
7/8/2016				
9/6/2016	4.8	4		
9/7/2016			80	4.8
11/7/2016		4.4		
11/9/2016				
11/10/2016	4.7		35	4.2
1/9/2017		4.4		
1/11/2017				
1/12/2017	5.6		130	4.4
3/13/2017		4.1		
3/14/2017				4.4
3/15/2017	5.9		150	
5/15/2017		3.7		
5/18/2017	5.7		140	5
10/2/2017		4.8		
10/5/2017				5.8
10/6/2017	6		62	
12/19/2017			180 (R)	
3/12/2018		4		
3/14/2018	5.2		140	6.9
6/5/2018				
6/6/2018		4.1		
6/10/2018				
6/11/2018	4.9		140	6
10/16/2018				
10/17/2018		3.7		
10/18/2018			160	7.5
10/19/2018	6.7			
2/27/2019		4		
3/1/2019			140	7.2
3/2/2019	4.4			
5/31/2019		3.7		
6/3/2019	13		79	8.5
6/11/2019				
11/6/2019		4.7		
11/7/2019			120	18
11/9/2019	6.1			
4/16/2020		4.9		
4/17/2020			120	29
4/18/2020	6.3			

Prediction Limit

Constituent: Field pH (SU) Analysis Run 6/22/2020 2:48 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-107 (bg)	MW-101 (bg)	MW-108 (bg)	MW-102	MW-106	MW-105	MW-104	MW-307 (bg)
2/29/2016	5.11	5.11	5.26	4.9					
3/1/2016					5.03	5.84	6.12	4.09	6.37
3/2/2016									
5/2/2016	4.76	4.77		4.69					5.605 (D)
5/3/2016									
5/4/2016			5.1			5.69			
5/5/2016					5.03		6.25	4.12	
7/5/2016	5.12	5.48		7.11 (o)					6.29
7/7/2016					4.85		5.99	3.99	
7/8/2016			4.96			5.49			
9/6/2016	5.11	5.12	5.43	5.19	4.84				6.42
9/7/2016						5.22	6.03	4.06	
11/7/2016	4.76	4.73		4.64					5.75
11/9/2016						5.39	6.01	4.05	
11/10/2016			4.89		4.72				
1/9/2017	4.99	5		4.94					5.98
1/11/2017			4.87			5.12	6.04	4.01	
1/12/2017					4.79				
3/13/2017	4.57	4.74		4.63					5.81
3/14/2017			4.71			5.05	6.11	4.06	
3/15/2017					4.81				
5/15/2017	4.6	4.63		4.52					5.42
5/18/2017			4.5		4.5	4.68	5.88	3.65	
10/2/2017	4.64	4.63		4.54					5.63
10/5/2017			4.63			4.77	6.07	3.79	
10/6/2017					4.56				
12/19/2017							6.11 (R)	4.1 (R)	
3/12/2018	4.85	4.81		4.81					5.6
3/14/2018			5.14		5.08	5.28	6.29	4.2	
6/5/2018	4.92	5.04		4.9					
6/6/2018									5.58
6/10/2018			5.12			4.99	5.96	3.97	
6/11/2018					4.81				
10/16/2018	4.93	4.98		4.81					
10/17/2018									5.54
10/18/2018			4.97			5.07	6.19	4.12	
10/19/2018					5.15				
2/27/2019	4.75	4.78	4.84	4.71					5.4
3/1/2019						5.13	6.27	4.19	
3/2/2019					4.81				
5/31/2019	4.9	4.92	4.92	4.84					5.45
6/3/2019					4.7	5.12	6.23	4.17	
6/11/2019									
11/6/2019	4.82	4.88	4.94	4.78					5.52
11/7/2019								4.03	
11/9/2019					4.78	5.06	6.19		
4/16/2020	5.03	5.15	5.17	4.96					5.58
4/17/2020						5.23			
4/18/2020					4.96		6.21	4.08	

Prediction Limit

Constituent: Field pH (SU) Analysis Run 6/22/2020 2:48 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-103	MW-306 (bg)	MW-110	MW-109
2/29/2016				
3/1/2016	5.86	5.08		
3/2/2016			5.015 (D)	5.015 (D)
5/2/2016				
5/3/2016		5.14		
5/4/2016				
5/5/2016	5.77		5.04	4.87
7/5/2016		5.38		
7/7/2016	5.45		5.55	4.86
7/8/2016				
9/6/2016		5.37		
9/7/2016	5.01		4.86	4.72
11/7/2016		4.92		
11/9/2016				
11/10/2016	4.99		5.19	4.72
1/9/2017		5.05		
1/11/2017				
1/12/2017	4.95		4.84	4.67
3/13/2017		4.87		
3/14/2017				4.77
3/15/2017	5.03		4.86	
5/15/2017		4.69		
5/18/2017	4.75		4.59	4.43
10/2/2017		4.88		
10/5/2017				4.52
10/6/2017	5.07		5.73	
12/19/2017	5.1 (R)		4.84 (R)	4.76 (R)
3/12/2018		5.07		
3/14/2018	4.89		4.75	4.71
6/5/2018				
6/6/2018		5.09		
6/10/2018				
6/11/2018	5.02		4.77	4.78
10/16/2018				
10/17/2018		4.99		
10/18/2018	4.93		4.73	4.76
10/19/2018				
2/27/2019		4.87		
3/1/2019			4.76	4.85
3/2/2019	5.58			
5/31/2019		4.89		
6/3/2019			5.56	4.75
6/11/2019	4.97			
11/6/2019		5.04		
11/7/2019	4.99		4.74	4.78
11/9/2019				
4/16/2020		5.13		
4/17/2020	5.07		4.7	4.75
4/18/2020				

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 6/22/2020 2:48 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-105	MW-104	MW-102	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.1	<0.1	<0.1	<0.1					
3/1/2016					0.041 (J)	0.46	<0.1	<0.1	0.033 (J)
3/2/2016									
5/2/2016	<0.1	<0.1	<0.1						<0.1
5/3/2016								<0.1	
5/4/2016				<0.1					
5/5/2016					<0.1	0.27	<0.1		
7/5/2016	<0.1	<0.1	<0.1					<0.1	<0.1
7/7/2016					<0.1	0.29	<0.1		
7/8/2016				<0.1					
9/6/2016	<0.1	<0.1	<0.1	<0.1			<0.1	<0.1	<0.1
9/7/2016					<0.1	0.33			
11/7/2016	<0.1	<0.1	<0.1					<0.1	<0.1
11/9/2016					<0.1	0.29			
11/10/2016				<0.1			<0.1		
1/9/2017	<0.1	<0.1	<0.1					<0.1	<0.1
1/11/2017				<0.1	<0.1	0.42			
1/12/2017							<0.1		
3/13/2017	<0.1	<0.1	<0.1					<0.1	<0.1
3/14/2017				<0.1	<0.1	0.34			
3/15/2017							<0.1		
5/15/2017	<0.1	<0.1	<0.1					<0.1	<0.1
5/18/2017				<0.1	<0.1	0.47	<0.1		
10/2/2017	<0.1	<0.1	<0.1					<0.1	<0.1
10/5/2017				<0.1	<0.1	0.22			
10/6/2017							<0.1		
12/19/2017						0.26 (R)			
3/12/2018	<0.1	<0.1	<0.1					<0.1	<0.1
3/14/2018				0.12	<0.1	0.3	<0.1		
6/5/2018	<0.1	<0.1	<0.1						
6/6/2018								<0.1	<0.1
6/10/2018				<0.1	<0.1	0.38			
6/11/2018							<0.1		
10/16/2018	<0.1	<0.1	<0.1						
10/17/2018								<0.1	<0.1
10/18/2018				<0.1	0.04 (J)	0.26			
10/19/2018							<0.1		
2/27/2019	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1
3/1/2019					<0.1	0.1			
3/2/2019							<0.1		
5/31/2019	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1
6/3/2019					0.04 (J)	0.22	<0.1		
6/11/2019									
11/6/2019	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1
11/7/2019						0.21			
11/9/2019					<0.1		<0.1		
4/16/2020	<0.1	<0.1	<0.1	<0.1				<0.1	<0.1
4/17/2020									
4/18/2020					0.04 (J)	0.3	<0.1		

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 6/22/2020 2:48 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-103	MW-106	MW-109	MW-110
2/29/2016				
3/1/2016	0.037 (J)	<0.1		
3/2/2016			<0.1	0.039 (J)
5/2/2016				
5/3/2016				
5/4/2016		<0.1		
5/5/2016	<0.1		<0.1	<0.1
7/5/2016				
7/7/2016	<0.1		<0.1	<0.1
7/8/2016		<0.1		
9/6/2016				
9/7/2016	<0.1	<0.1	<0.1	<0.1
11/7/2016				
11/9/2016		<0.1		
11/10/2016	<0.1		<0.1	<0.1
1/9/2017				
1/11/2017		<0.1		
1/12/2017	<0.1		<0.1	<0.1
3/13/2017				
3/14/2017		<0.1	<0.1	
3/15/2017	<0.1			<0.1
5/15/2017				
5/18/2017	<0.1	<0.1	<0.1	<0.1
10/2/2017				
10/5/2017		<0.1	<0.1	
10/6/2017	<0.1			<0.1
12/19/2017				
3/12/2018				
3/14/2018	<0.1	<0.1	<0.1	<0.1
6/5/2018				
6/6/2018				
6/10/2018		<0.1		
6/11/2018	<0.1		<0.1	0.04 (J)
10/16/2018				
10/17/2018				
10/18/2018	<0.1	<0.1	<0.1	0.04 (J)
10/19/2018				
2/27/2019				
3/1/2019		<0.1	<0.1	<0.1
3/2/2019	<0.1			
5/31/2019				
6/3/2019		<0.1	<0.1	0.04 (J)
6/11/2019	<0.1			
11/6/2019				
11/7/2019	<0.1		<0.1	0.04 (J)
11/9/2019		<0.1		
4/16/2020				
4/17/2020	<0.1	<0.1	<0.1	0.04 (J)
4/18/2020				

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/22/2020 2:48 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-105	MW-104	MW-103	MW-102	MW-306 (bg)
2/29/2016	<5	<5	1.6 (J)	<5					
3/1/2016					17	380	26	<5	<5
3/2/2016									
5/2/2016	15 (o)	<5	2.1 (J)						
5/3/2016									<5
5/4/2016				<5					
5/5/2016					11	280	31	<5	
7/5/2016	<5	<5	2 (J)						<5
7/7/2016					33	330	31	<5	
7/8/2016				<5					
9/6/2016	<5	<5	1.8 (J)	<5				<5	<5
9/7/2016					18	550	41		
11/7/2016	<5	<5	1.7 (J)						<5
11/9/2016					52	700			
11/10/2016				<5			39	<5	
1/9/2017	<5	2.6 (J)	1.5 (J)						<5
1/11/2017				<5	31	670			
1/12/2017							35	<5	
3/13/2017	2.5 (J)	<5	2.2 (J)						<5
3/14/2017				<5	20	670			
3/15/2017							43	<5	
5/15/2017	<5	<5	1.9 (J)						<5
5/18/2017				<5 (X)	35	790	35	<5 (X)	
10/2/2017	<5	<5	3.4 (J)						1.5 (J)
10/5/2017				<5	7.7	500			
10/6/2017							39	<5	
12/19/2017					51 (R)	400 (R)	36 (R)		
3/12/2018	<5	<5	2.6 (J)						<5
3/14/2018				<5	22	540	38	<5	
6/5/2018	<5	<5	2.6 (J)						
6/6/2018									<5
6/10/2018				1.5 (J)	96	760			
6/11/2018							34	1.7 (J)	
10/16/2018	<5	<5	2.8 (J)						
10/17/2018									<5
10/18/2018				<5	6.6	460	31		
10/19/2018								3.4 (J)	
2/27/2019	<5	<5	2.4 (J)	1.9 (J)					<5
3/1/2019					9.6	240			
3/2/2019							35	<5	
5/31/2019	<5	<5	3.3 (J)	<5					<5
6/3/2019					58	480		3.5 (J)	
6/11/2019							32		
11/6/2019	<5	<5	3.7 (J)	<5					<5
11/7/2019						610	27		
11/9/2019					120			<5	
4/16/2020	<5	<5	1.7 (J)	<5					<5
4/17/2020							31		
4/18/2020					32	670		<5	

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/22/2020 2:48 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-307 (bg)	MW-106	MW-110	MW-109
2/29/2016				
3/1/2016	<5	<5		
3/2/2016			150	13
5/2/2016	<5			
5/3/2016				
5/4/2016		<5		
5/5/2016			200	15
7/5/2016	<5			
7/7/2016			200	14
7/8/2016		<5		
9/6/2016	3.7 (J)			
9/7/2016		<5	200	15
11/7/2016	<5			
11/9/2016		<5		
11/10/2016			130	13
1/9/2017	<5			
1/11/2017		<5		
1/12/2017			240	12
3/13/2017	<5			
3/14/2017		<5		10 (V)
3/15/2017			300	
5/15/2017	<5			
5/18/2017		<5 (X)	270	8.7
10/2/2017	1.7 (J)			
10/5/2017		<5		9.8
10/6/2017			140	
12/19/2017			280 (R)	8.4 (R)
3/12/2018	<5			
3/14/2018		<5	270	9.7
6/5/2018				
6/6/2018	<5			
6/10/2018		1.4 (J)		
6/11/2018			270	10
10/16/2018				
10/17/2018	<5			
10/18/2018		<5	280	8.1
10/19/2018				
2/27/2019	<5			
3/1/2019		<5	250	7.4
3/2/2019				
5/31/2019	<5			
6/3/2019		<5	150	21
6/11/2019				
11/6/2019	<5			
11/7/2019			290	16
11/9/2019		<5		
4/16/2020	<5			
4/17/2020		<5	280	12
4/18/2020				

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 6/22/2020 2:48 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-106	MW-306 (bg)	MW-103	MW-104	MW-105
2/29/2016	20	12	<5	20					
3/1/2016					<5	10	84	760	290
3/2/2016									
5/2/2016	<5	6	<5						
5/3/2016						<5			
5/4/2016				6	12				
5/5/2016							76	620	250
7/5/2016	12	<5	14			<5			
7/7/2016							54	640	270
7/8/2016				6	10				
9/6/2016	36	38	30	36		36			
9/7/2016					10		82	1100	270
11/7/2016	18	<5	8			<5			
11/9/2016					26			1300	330
11/10/2016				16			80		
1/9/2017	4 (J)	14	<5			<5			
1/11/2017				38	28			1600	330
1/12/2017							110		
3/13/2017	6	8	<5			22			
3/14/2017				<5	<5			1200	260
3/15/2017							82		
5/15/2017	<5	<5	<5			6			
5/18/2017				10	26		100	1500	360
10/2/2017	<5	6	<5			16			
10/5/2017				<5	<5			980	240
10/6/2017							110		
12/19/2017							72 (R)	900 (R)	460 (R)
3/12/2018	18	<5	14			<5			
3/14/2018				8	<5		66	1100	300
6/5/2018	10	14	<5						
6/6/2018						20			
6/10/2018				8	6			1500	560
6/11/2018							96		
10/16/2018	32	6	12						
10/17/2018						44			
10/18/2018				28	68		64	860	250
10/19/2018									
2/27/2019	110	110	54	68		20			
3/1/2019					28			440	210
3/2/2019							210		
5/31/2019	46	26	8	<5		32			
6/3/2019					28			950	500
6/11/2019							110		
11/6/2019	<5	<5	4 (J)	10		24			
11/7/2019							50	980	
11/9/2019					42				720
4/16/2020	28	8	18	44		6			
4/17/2020					48		70		
4/18/2020								1100	180

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 6/22/2020 2:48 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-102	MW-307 (bg)	MW-110	MW-109
2/29/2016				
3/1/2016	<5	<5		
3/2/2016			440	30
5/2/2016		36		
5/3/2016				
5/4/2016				
5/5/2016	<5		480	38
7/5/2016		<5		
7/7/2016	24		470	22
7/8/2016				
9/6/2016	40	44		
9/7/2016			440	38
11/7/2016		30		
11/9/2016				
11/10/2016	20		260	38
1/9/2017		12		
1/11/2017				
1/12/2017	54		630	40
3/13/2017		20		
3/14/2017				22
3/15/2017	14		620	
5/15/2017		4 (J)		
5/18/2017	38		640	24
10/2/2017		24		
10/5/2017				<5
10/6/2017	22		360	
12/19/2017			840 (R)	
3/12/2018		<5		
3/14/2018	14		660	12
6/5/2018				
6/6/2018		16		
6/10/2018				
6/11/2018	8		670	26
10/16/2018				
10/17/2018		44		
10/18/2018			750	34
10/19/2018	54			
2/27/2019		28		
3/1/2019			640	42
3/2/2019	28			
5/31/2019		18		
6/3/2019	54		420	54
6/11/2019				
11/6/2019		20		
11/7/2019			540	24
11/9/2019	24			
4/16/2020		8		
4/17/2020			600	28
4/18/2020	54			

200 Series

Appendix III Interwell Prediction Limits - 200 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/22/2020, 2:53 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-200	0.081	n/a	4/18/2020	1.6	Yes	96	n/a	n/a	84.38	n/a	n/a	0.0002114	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-201	0.081	n/a	4/22/2020	4.2	Yes	96	n/a	n/a	84.38	n/a	n/a	0.0002114	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-206	0.081	n/a	4/18/2020	17	Yes	96	n/a	n/a	84.38	n/a	n/a	0.0002114	NP Inter (NDs) 1 of 2
Calcium (mg/L)	MW-200	1.329	n/a	4/18/2020	40	Yes	96	0.8884	0.1259	0	None	x^(1/3)	0.002505	Param Inter 1 of 2
Calcium (mg/L)	MW-201	1.329	n/a	4/22/2020	61	Yes	96	0.8884	0.1259	0	None	x^(1/3)	0.002505	Param Inter 1 of 2
Calcium (mg/L)	MW-206	1.329	n/a	4/18/2020	320	Yes	96	0.8884	0.1259	0	None	x^(1/3)	0.002505	Param Inter 1 of 2
Chloride (mg/L)	MW-200	6.594	n/a	4/18/2020	59	Yes	96	5.206	0.8278	0	None	No	0.002505	Param Inter 1 of 2
Chloride (mg/L)	MW-201	6.594	n/a	4/22/2020	120	Yes	96	5.206	0.8278	0	None	No	0.002505	Param Inter 1 of 2
Chloride (mg/L)	MW-206	6.594	n/a	4/18/2020	660	Yes	96	5.206	0.8278	0	None	No	0.002505	Param Inter 1 of 2
Fluoride (mg/L)	MW-201	0.12	n/a	4/22/2020	0.39	Yes	96	n/a	n/a	97.92	n/a	n/a	0.0002114	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-200	5	n/a	4/18/2020	64	Yes	95	n/a	n/a	75.79	n/a	n/a	0.0002159	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-201	5	n/a	4/22/2020	130	Yes	95	n/a	n/a	75.79	n/a	n/a	0.0002159	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-206	5	n/a	4/18/2020	250	Yes	95	n/a	n/a	75.79	n/a	n/a	0.0002159	NP Inter (NDs) 1 of 2
Total Dissolved Solids (mg/L)	MW-200	110	n/a	4/18/2020	240	Yes	96	n/a	n/a	28.13	n/a	n/a	0.0002114	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-201	110	n/a	4/22/2020	600	Yes	96	n/a	n/a	28.13	n/a	n/a	0.0002114	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-206	110	n/a	4/18/2020	1700	Yes	96	n/a	n/a	28.13	n/a	n/a	0.0002114	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - 200 Series Wells - All Results

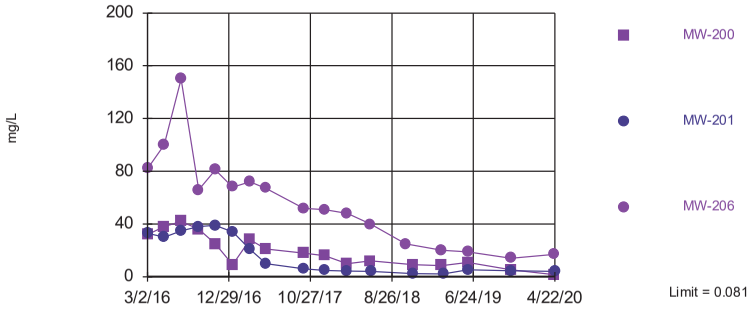
Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/22/2020, 2:53 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**MW-200**	**0.081**	**n/a**	**4/18/2020**	**1.6**	**Yes**	**96**	**n/a**	**n/a**	**84.38**	**n/a**	**n/a**	**0.0002114**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-201**	**0.081**	**n/a**	**4/22/2020**	**4.2**	**Yes**	**96**	**n/a**	**n/a**	**84.38**	**n/a**	**n/a**	**0.0002114**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-206**	**0.081**	**n/a**	**4/18/2020**	**17**	**Yes**	**96**	**n/a**	**n/a**	**84.38**	**n/a**	**n/a**	**0.0002114**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	**MW-200**	**1.329**	**n/a**	**4/18/2020**	**40**	**Yes**	**96**	**0.8884**	**0.1259**	**0**	**None**	**x^(1/3)**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-201**	**1.329**	**n/a**	**4/22/2020**	**61**	**Yes**	**96**	**0.8884**	**0.1259**	**0**	**None**	**x^(1/3)**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-206**	**1.329**	**n/a**	**4/18/2020**	**320**	**Yes**	**96**	**0.8884**	**0.1259**	**0**	**None**	**x^(1/3)**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-200**	**6.594**	**n/a**	**4/18/2020**	**59**	**Yes**	**96**	**5.206**	**0.8278**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-201**	**6.594**	**n/a**	**4/22/2020**	**120**	**Yes**	**96**	**5.206**	**0.8278**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-206**	**6.594**	**n/a**	**4/18/2020**	**660**	**Yes**	**96**	**5.206**	**0.8278**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Fluoride (mg/L)	MW-200	0.12	n/a	4/18/2020	0.1ND	No	96	n/a	n/a	97.92	n/a	n/a	0.0002114	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-201**	**0.12**	**n/a**	**4/22/2020**	**0.39**	**Yes**	**96**	**n/a**	**n/a**	**97.92**	**n/a**	**n/a**	**0.0002114**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	MW-206	0.12	n/a	4/18/2020	0.1ND	No	96	n/a	n/a	97.92	n/a	n/a	0.0002114	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-200**	**5**	**n/a**	**4/18/2020**	**64**	**Yes**	**95**	**n/a**	**n/a**	**75.79**	**n/a**	**n/a**	**0.0002159**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-201**	**5**	**n/a**	**4/22/2020**	**130**	**Yes**	**95**	**n/a**	**n/a**	**75.79**	**n/a**	**n/a**	**0.0002159**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-206**	**5**	**n/a**	**4/18/2020**	**250**	**Yes**	**95**	**n/a**	**n/a**	**75.79**	**n/a**	**n/a**	**0.0002159**	**NP Inter (NDs) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-200**	**110**	**n/a**	**4/18/2020**	**240**	**Yes**	**96**	**n/a**	**n/a**	**28.13**	**n/a**	**n/a**	**0.0002114**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-201**	**110**	**n/a**	**4/22/2020**	**600**	**Yes**	**96**	**n/a**	**n/a**	**28.13**	**n/a**	**n/a**	**0.0002114**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-206**	**110**	**n/a**	**4/18/2020**	**1700**	**Yes**	**96**	**n/a**	**n/a**	**28.13**	**n/a**	**n/a**	**0.0002114**	**NP Inter (normality) 1 of 2**

Exceeds Limit: MW-200, MW-201, MW-206

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 96 background values. 84.38% NDs. Annual per-constituent alpha = 0.001268. Individual comparison alpha = 0.0002114 (1 of 2). Comparing 3 points to limit.

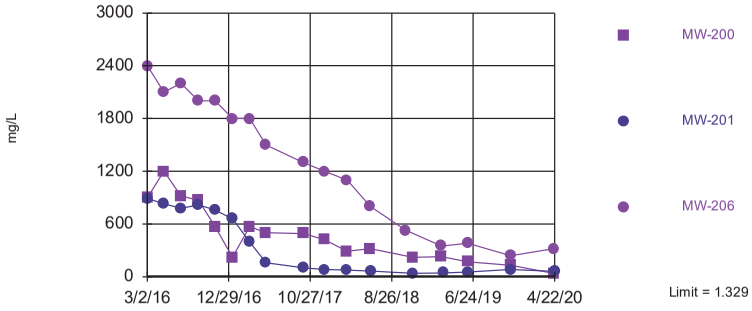
Constituent: Boron Analysis Run 6/22/2020 2:51 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Exceeds Limit: MW-200, MW-201, MW-206

Prediction Limit

Interwell Parametric



Background Data Summary (based on cube root transformation): Mean=0.8884, Std. Dev.=0.1259, n=96. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9651, critical = 0.965. Kappa = 1.676 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.002505. Comparing 3 points to limit.

Constituent: Calcium Analysis Run 6/22/2020 2:52 PM View: 200 Series

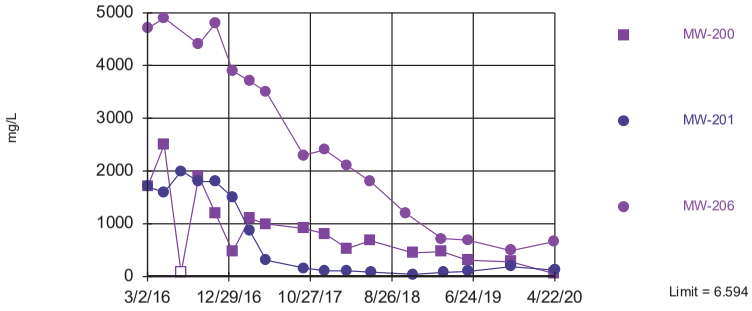
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Hollow symbols indicate censored values.

Exceeds Limit: MW-200, MW-201, MW-206

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=5.206, Std. Dev.=0.8278, n=96. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.97, critical = 0.965. Kappa = 1.676 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.002505. Comparing 3 points to limit.

Constituent: Chloride Analysis Run 6/22/2020 2:52 PM View: 200 Series

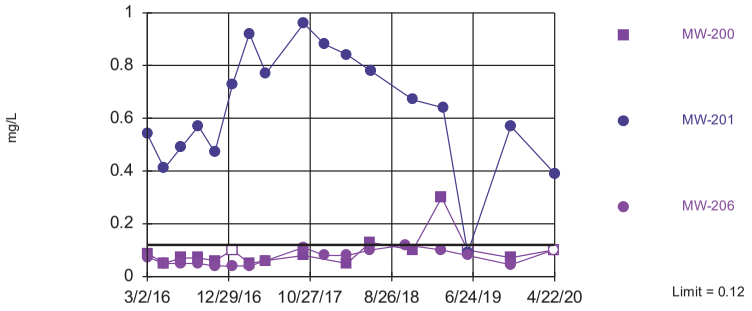
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Hollow symbols indicate censored values.

Exceeds Limit: MW-201

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 96 background values. 97.92% NDs. Annual per-constituent alpha = 0.001268. Individual comparison alpha = 0.0002114 (1 of 2). Comparing 3 points to limit.

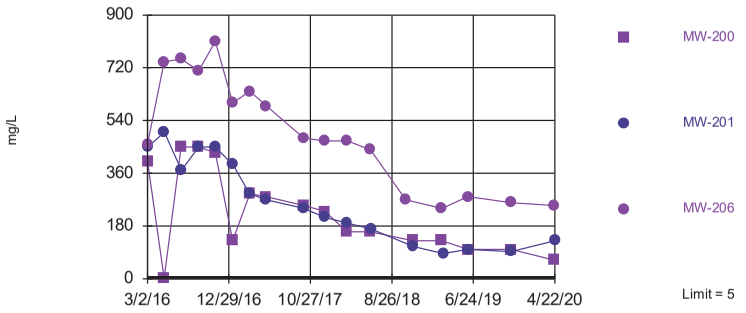
Constituent: Fluoride Analysis Run 6/22/2020 2:52 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Exceeds Limit: MW-200, MW-201, MW-206

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 95 background values. 75.79% NDs. Annual per-constituent alpha = 0.001295. Individual comparison alpha = 0.0002159 (1 of 2). Comparing 3 points to limit.

Constituent: Sulfate Analysis Run 6/22/2020 2:52 PM View: 200 Series

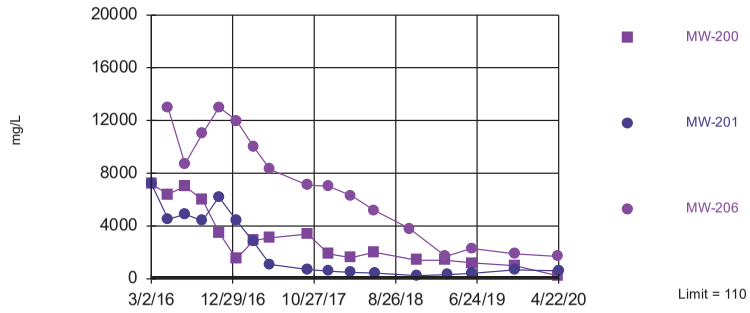
Plant Crist Client: Gulf Power Data: Plant Crist CCR

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Exceeds Limit: MW-200, MW-201, MW-206

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 96 background values. 28.13% NDs. Annual per-constituent alpha = 0.001268. Individual comparison alpha = 0.0002114 (1 of 2). Comparing 3 points to limit.

Constituent: Total Dissolved Solids Analysis Run 6/22/2020 2:52 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 6/22/2020 2:53 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-307 (bg)	MW-306 (bg)	MW-206	MW-201	MW-200
2/29/2016	<0.05	<0.05	<0.05	<0.05					
3/1/2016					<0.05	<0.05			
3/2/2016							82	33	32
5/2/2016	<0.05	<0.05	<0.05		<0.05				
5/3/2016						<0.05	100		38
5/4/2016				<0.05				30	
7/5/2016	<0.05	<0.05	<0.05		<0.05	<0.05	150		42
7/6/2016								35	
7/8/2016				<0.05					
9/6/2016	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
9/8/2016							66	38	36
11/7/2016	<0.05	<0.05	<0.05		<0.05	<0.05			
11/8/2016								39	
11/9/2016							81		25
11/10/2016				<0.05					
1/9/2017	<0.05	<0.05	<0.05		<0.05	<0.05			
1/11/2017				<0.05					
1/12/2017							68		9.1
1/13/2017								34	
3/13/2017	<0.05	<0.05	0.022 (J)		<0.05	<0.05			
3/14/2017				<0.05					
3/16/2017								21	
3/17/2017							72		28
5/15/2017	<0.05	<0.05	<0.05		<0.05	<0.05			
5/16/2017									21
5/17/2017							67	10	
5/18/2017				<0.05					
10/2/2017	<0.05	<0.05	0.023 (J)		<0.05	<0.05			
10/3/2017							52		
10/4/2017								6	18
10/5/2017				<0.05					
12/20/2017							51	4.9 (R)	16 (R)
3/12/2018	<0.05	<0.05	<0.05		<0.05	<0.05			
3/13/2018									10
3/14/2018				<0.05			48	4.4	
6/5/2018	<0.05	<0.05	<0.05						
6/6/2018					<0.05	<0.05			
6/8/2018							40		12
6/9/2018								4.1	
6/10/2018				<0.05					
10/16/2018	<0.05	<0.05	<0.05						
10/17/2018					<0.05	<0.05	25		
10/18/2018				0.081					
11/13/2018									9.1
11/14/2018								2.3	
2/27/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
2/28/2019							20		8.5
3/5/2019								2.1	
5/31/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
6/4/2019							19	5.2	11
11/6/2019	0.017 (V)	0.016 (V)	0.022 (V)	0.016 (V)	0.0099 (J)	0.011 (V)			
11/12/2019							14	4.5	5.3

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 6/22/2020 2:53 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-307 (bg)	MW-306 (bg)	MW-206	MW-201	MW-200
4/16/2020	0.02	0.013	0.017	0.013	0.0055 (J)	0.0075 (J)			
4/18/2020							17		1.6
4/22/2020								4.2	

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 6/22/2020 2:53 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-307 (bg)	MW-306 (bg)	MW-206	MW-201	MW-200
2/29/2016	1	0.67	1.4	1 (J)					
3/1/2016					1.5	0.6			
3/2/2016							2400	890	900
5/2/2016	0.78	0.58	1.1		0.83				
5/3/2016						0.55	2100		1200
5/4/2016				0.62				830	
7/5/2016	0.65	0.43	0.94		1.6	0.53	2200		920
7/6/2016								780	
7/8/2016				0.4					
9/6/2016	0.7	0.48	1	0.45	1.6	0.5			
9/8/2016							2000	820	870
11/7/2016	0.8	0.56	1.2		1.5	0.68			
11/8/2016								760	
11/9/2016							2000		570
11/10/2016				0.44					
1/9/2017	0.74	0.43	1.2		0.98	0.56			
1/11/2017				0.42					
1/12/2017							1800		220
1/13/2017								660	
3/13/2017	0.78	0.48	1.3		0.75	0.62			
3/14/2017				0.42					
3/16/2017								400	
3/17/2017							1800		570
5/15/2017	0.76	0.37	1		0.83	0.58			
5/16/2017									500
5/17/2017							1500	160	
5/18/2017				0.38					
10/2/2017	0.78	0.47	1.2		0.83	0.62			
10/3/2017							1300		
10/4/2017								100	490
10/5/2017				0.39					
12/20/2017							1200	82 (R)	420 (R)
3/12/2018	0.88	0.49	1.4		0.71	0.59			
3/13/2018									290
3/14/2018				0.49			1100	75	
6/5/2018	0.9	0.49	1.2						
6/6/2018					0.68	0.59			
6/8/2018							800		320
6/9/2018								64	
6/10/2018				0.39					
10/16/2018	0.86	0.42	1.4						
10/17/2018					0.66	0.54	530		
10/18/2018				0.41					
11/13/2018									220
11/14/2018								38	
2/27/2019	0.96	0.56	1.3	0.44	0.7	0.63			
2/28/2019							350		230
3/5/2019								43	
5/31/2019	0.76	0.33	1.1	0.28	0.52	0.45			
6/4/2019							380 (D)	54	170
11/6/2019	0.88	0.49	1.2	0.46	0.74	0.55			
11/12/2019							240	82	130

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 6/22/2020 2:53 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-307 (bg)	MW-306 (bg)	MW-206	MW-201	MW-200
4/16/2020	0.84	0.36	1.3	0.38	0.59	0.53			
4/18/2020							320		40
4/22/2020								61	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 6/22/2020 2:53 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-206	MW-201
2/29/2016	5.3	7.4	8.1	5.4					
3/1/2016					5.6	4			
3/2/2016							1700	4700	1700
5/2/2016	4.4	6.3	6			3.6			
5/3/2016					5.1		2500	4900	
5/4/2016				4.5					1600
7/5/2016	4.2	4.8	5.2		4.7	3.6	<140	360 (o)	
7/6/2016									2000
7/8/2016				4.9					
9/6/2016	4.3	6	5.5	4.3	4.4	4			
9/8/2016							1900	4400	1800
11/7/2016	4.2	5.7	5.4		4.6	4.4			
11/8/2016									1800
11/9/2016							1200	4800	
11/10/2016				4.5					
1/9/2017	5.3	6.8	6.1		5.3	4.4			
1/11/2017				5.3					
1/12/2017							470	3900	
1/13/2017									1500
3/13/2017	5.2	6.8	5.5		5.6	4.1			
3/14/2017				5.5					
3/16/2017									870
3/17/2017							1100	3700	
5/15/2017	4.8	6.1	4.7		5.2	3.7			
5/16/2017							1000		
5/17/2017								3500	310
5/18/2017				5					
10/2/2017	5.5	6	6.1		5.5	4.8			
10/3/2017								2300	
10/4/2017							910		160
10/5/2017				5.6					
12/20/2017							810 (R)	2400	110 (R)
3/12/2018	5.3	5.9	6.1		5.6	4			
3/13/2018							530		
3/14/2018				5.2				2100	110
6/5/2018	5.3	6.5	5.5						
6/6/2018					5.6	4.1			
6/8/2018							680	1800	
6/9/2018									86
6/10/2018				5.2					
10/16/2018	5.5	5.9	5.1						
10/17/2018					5.5	3.7		1200	
10/18/2018				5.2					
11/13/2018							450		
11/14/2018									41
2/27/2019	4.6	4.3	5	5.1	5.1	4			
2/28/2019							470	720	
3/5/2019									75
5/31/2019	5.1	4.5	5.4	5	5.4	3.7			
6/4/2019							310	690	98
11/6/2019	5.8	5.7	6.1	6	5.9	4.7			
11/12/2019							280	490	190

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 6/22/2020 2:53 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-206	MW-201
4/16/2020	6.1	5.6	5.3	5.8	6.2	4.9			
4/18/2020							59	660	
4/22/2020									120

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 6/22/2020 2:53 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-206	MW-201
2/29/2016	<0.1	<0.1	<0.1	<0.1					
3/1/2016					<0.1	0.033 (J)			
3/2/2016							0.088 (J)	0.074 (J)	0.54
5/2/2016	<0.1	<0.1	<0.1			<0.1			
5/3/2016					<0.1		0.05 (J)	0.05 (J)	
5/4/2016				<0.1					0.41
7/5/2016	<0.1	<0.1	<0.1		<0.1	<0.1	0.07 (J)	0.05 (J)	
7/6/2016									0.49
7/8/2016				<0.1					
9/6/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
9/8/2016							0.07 (J)	0.05 (J)	0.57
11/7/2016	<0.1	<0.1	<0.1		<0.1	<0.1			
11/8/2016									0.47
11/9/2016							0.06 (J)	0.04 (J)	
11/10/2016				<0.1					
1/9/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
1/11/2017				<0.1					
1/12/2017							<0.1	0.04 (J)	
1/13/2017									0.73
3/13/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
3/14/2017				<0.1					
3/16/2017									0.92
3/17/2017							0.05 (J)	0.04 (J)	
5/15/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
5/16/2017							0.06 (J)		
5/17/2017								0.06 (J)	0.77
5/18/2017				<0.1					
10/2/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
10/3/2017								0.11	
10/4/2017							0.08 (J)		0.96
10/5/2017				<0.1					
12/20/2017								0.08 (I)	0.88 (R)
3/12/2018	<0.1	<0.1	<0.1		<0.1	<0.1			
3/13/2018							0.05 (J)		
3/14/2018				0.12				0.08 (J)	0.84
6/5/2018	<0.1	<0.1	<0.1						
6/6/2018					<0.1	<0.1			
6/8/2018							0.13	0.1	
6/9/2018									0.78
6/10/2018				<0.1					
10/16/2018	<0.1	<0.1	<0.1						
10/17/2018					<0.1	<0.1		0.12	
10/18/2018				<0.1					
11/13/2018							0.1		
11/14/2018									0.67
2/27/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
2/28/2019							0.3	0.1	
3/5/2019									0.64
5/31/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
6/4/2019							<0.1	0.08 (J)	0.09 (J)
11/6/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
11/12/2019							0.072 (J)	0.045 (J)	0.57

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 6/22/2020 2:53 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-206	MW-201
4/16/2020	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
4/18/2020							<0.1	<0.1	
4/22/2020									0.39

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/22/2020 2:53 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-206	MW-201
2/29/2016	<5	1.6 (J)	<5	<5					
3/1/2016					<5	<5			
3/2/2016							400	460	450
5/2/2016	15 (o)	2.1 (J)	<5			<5			
5/3/2016					<5		2.2 (J)	740	
5/4/2016				<5					500
7/5/2016	<5	2 (J)	<5		<5	<5	450 (J)	750	
7/6/2016									370
7/8/2016				<5					
9/6/2016	<5	1.8 (J)	<5	<5	<5	3.7 (J)			
9/8/2016							450	710	450
11/7/2016	<5	1.7 (J)	<5		<5	<5			
11/8/2016									450
11/9/2016							430	810	
11/10/2016				<5					
1/9/2017	<5	1.5 (J)	2.6 (J)		<5	<5			
1/11/2017				<5					
1/12/2017							130	600	
1/13/2017									390
3/13/2017	2.5 (J)	2.2 (J)	<5		<5	<5			
3/14/2017				<5					
3/16/2017									290
3/17/2017							290	640	
5/15/2017	<5	1.9 (J)	<5		<5	<5			
5/16/2017							280		
5/17/2017								590	270
5/18/2017				<5 (X)					
10/2/2017	<5	3.4 (J)	<5		1.5 (J)	1.7 (J)			
10/3/2017								480	
10/4/2017							250		240
10/5/2017				<5					
12/20/2017							230 (R)	470	210 (R)
3/12/2018	<5	2.6 (J)	<5		<5	<5			
3/13/2018							160		
3/14/2018				<5				470	190
6/5/2018	<5	2.6 (J)	<5						
6/6/2018					<5	<5			
6/8/2018							160	440	
6/9/2018									170
6/10/2018				1.5 (J)					
10/16/2018	<5	2.8 (J)	<5						
10/17/2018					<5	<5		270	
10/18/2018				<5					
11/13/2018							130		
11/14/2018									110
2/27/2019	<5	2.4 (J)	<5	1.9 (J)	<5	<5			
2/28/2019							130	240	
3/5/2019									86
5/31/2019	<5	3.3 (J)	<5	<5	<5	<5			
6/4/2019							100	280	100
11/6/2019	<5	3.7 (J)	<5	<5	<5	<5			
11/12/2019							100	260	93

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/22/2020 2:53 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-206	MW-201
4/16/2020	<5	1.7 (J)	<5	<5	<5	<5			
4/18/2020							64	250	
4/22/2020									130

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 6/22/2020 2:53 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	20	12	<5	20					
3/1/2016					10	<5			
3/2/2016							7200	7200	32000 (o)
5/2/2016	<5	6	<5			36			
5/3/2016					<5		6400		13000
5/4/2016				6				4500	
7/5/2016	12	<5	14		<5	<5	7000		8700
7/6/2016								4900	
7/8/2016				6					
9/6/2016	36	38	30	36	36	44			
9/8/2016							6000	4400	11000 (Q)
11/7/2016	18	<5	8		<5	30			
11/8/2016								6200	
11/9/2016							3500		13000
11/10/2016				16					
1/9/2017	4 (J)	14	<5		<5	12			
1/11/2017				38					
1/12/2017							1500		12000
1/13/2017								4400	
3/13/2017	6	8	<5		22	20			
3/14/2017				<5					
3/16/2017								2800	
3/17/2017							2900		10000
5/15/2017	<5	<5	<5		6	4 (J)			
5/16/2017							3100		
5/17/2017								1100	8300
5/18/2017				10					
10/2/2017	<5	6	<5		16	24			
10/3/2017									7100
10/4/2017							3400	700	
10/5/2017				<5					
12/20/2017							1900 (R)	590 (R)	7000
3/12/2018	18	<5	14		<5	<5			
3/13/2018							1600		
3/14/2018				8				490	6300
6/5/2018	10	14	<5						
6/6/2018					20	16			
6/8/2018							2000		5200
6/9/2018								430	
6/10/2018				8					
10/16/2018	32	6	12						
10/17/2018					44	44			3800
10/18/2018				28					
11/13/2018							1400		
11/14/2018								230	
2/27/2019	110	110	54	68	20	28			
2/28/2019							1400		1700
3/5/2019								300	
5/31/2019	46	26	8	<5	32	18			
6/4/2019							1200	400	2300
11/6/2019	<5	<5	4 (J)	10	24	20			
11/12/2019							1000	670	1900

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 6/22/2020 2:53 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
4/16/2020	28	8	18	44	6	8			
4/18/2020							240		1700
4/22/2020								600	

Appendix III Intrawell Prediction Limits - 200 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/22/2020, 2:55 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	**MW-206**	**4.64**	**3.998**	**4/18/2020**	**5**	**Yes**	**14**	**4.319**	**0.1573**	**0**	**None**	**No**	**0.001253**	**Param Intra 1 of 2**

Appendix III Intrawell Prediction Limits - 200 Series Wells - All Results

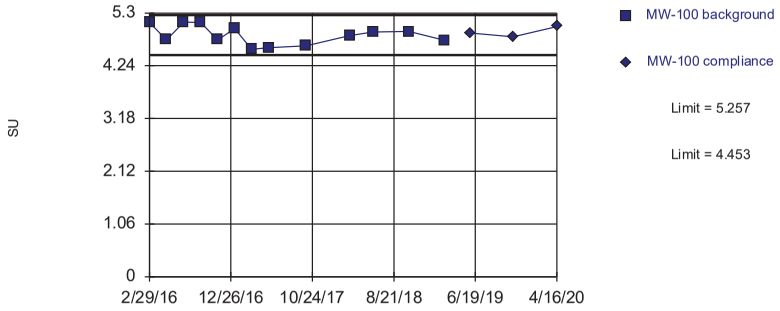
Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/22/2020, 2:55 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	MW-100	5.257	4.453	4/16/2020	5.03	No	13	4.855	0.1936	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-101	5.491	4.42	4/16/2020	5.17	No	13	4.955	0.258	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-107	5.412	4.406	4/16/2020	5.15	No	13	4.909	0.2421	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-108	5.178	4.369	4/16/2020	4.96	No	12	4.773	0.1917	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-200	5.263	4.716	4/18/2020	5.2	No	14	4.989	0.134	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-201	5.704	4.463	4/22/2020	4.69	No	14	5.084	0.304	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	**MW-206**	**4.64**	**3.998**	**4/18/2020**	**5**	**Yes**	**14**	**4.319**	**0.1573**	**0**	**None**	**No**	**0.001253**	**Param Intra 1 of 2**
Field pH (SU)	MW-306	5.438	4.624	4/16/2020	5.13	No	13	5.031	0.1961	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-307	6.537	5.063	4/16/2020	5.58	No	13	5.8	0.3549	0	None	No	0.001253	Param Intra 1 of 2

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.855, Std. Dev.=0.1936, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9274, critical = 0.814. Kappa = 2.077 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

Constituent: Field pH Analysis Run 6/22/2020 2:54 PM View: 200 Series

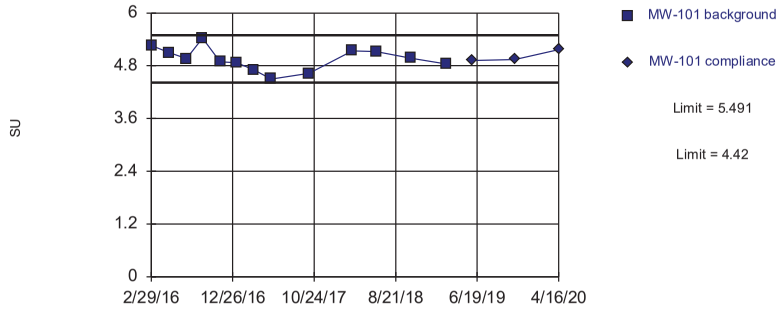
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.955, Std. Dev.=0.258, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9894, critical = 0.814. Kappa = 2.077 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

Constituent: Field pH Analysis Run 6/22/2020 2:54 PM View: 200 Series

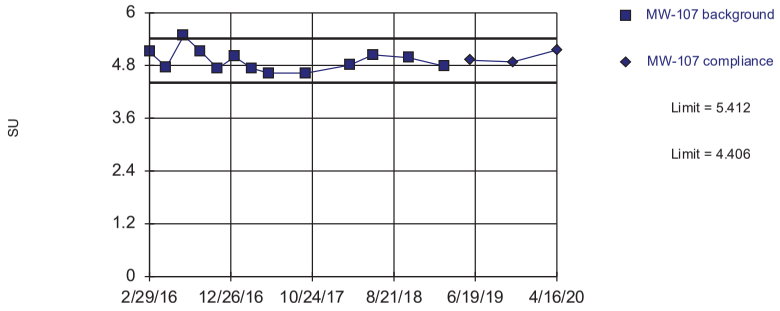
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.909, Std. Dev.=0.2421, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9038, critical = 0.814. Kappa = 2.077 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

Constituent: Field pH Analysis Run 6/22/2020 2:54 PM View: 200 Series

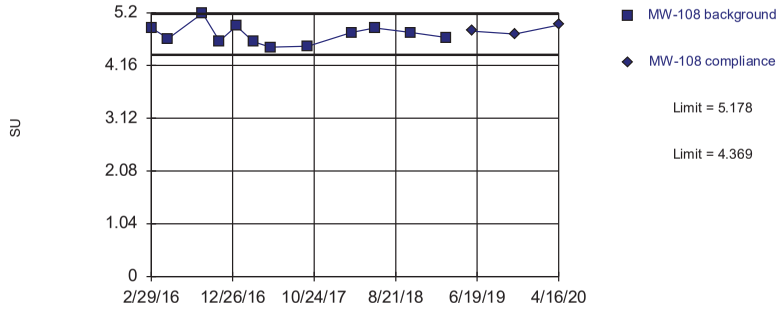
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.773, Std. Dev.=0.1917, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9468, critical = 0.805. Kappa = 2.112 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

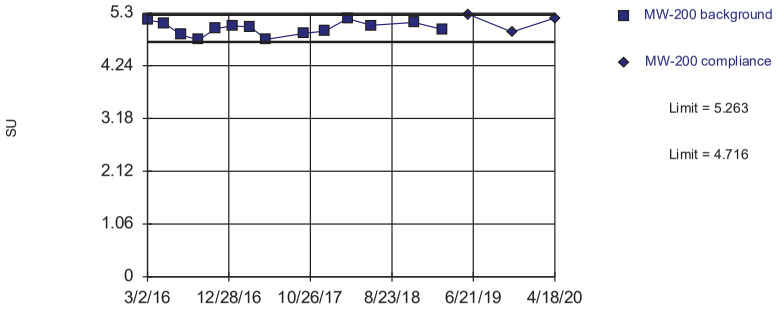
Constituent: Field pH Analysis Run 6/22/2020 2:54 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.989, Std. Dev.=0.134, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9622, critical = 0.825. Kappa = 2.041 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

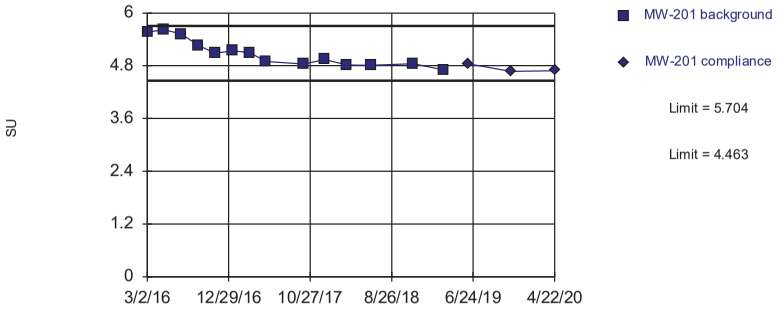
Constituent: Field pH Analysis Run 6/22/2020 2:54 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.084, Std. Dev.=0.304, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8864, critical = 0.825. Kappa = 2.041 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

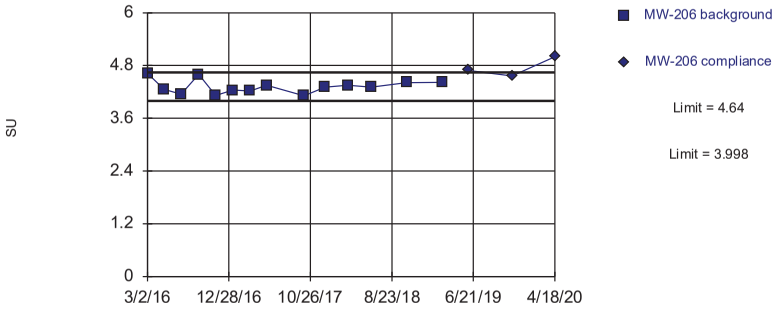
Constituent: Field pH Analysis Run 6/22/2020 2:54 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Exceeds Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.319, Std. Dev.=0.1573, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9338, critical = 0.825. Kappa = 2.041 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

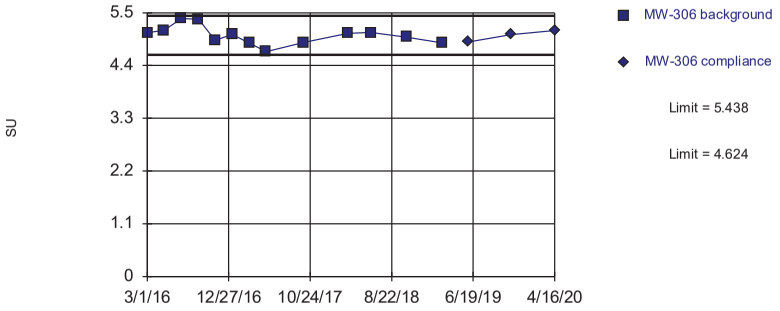
Constituent: Field pH Analysis Run 6/22/2020 2:54 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.031, Std. Dev.=0.1961, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9411, critical = 0.814. Kappa = 2.077 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

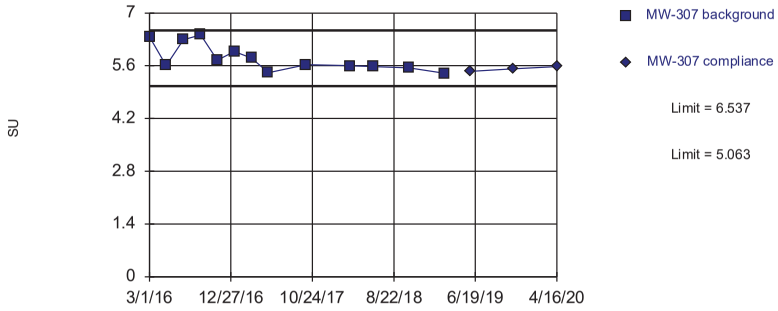
Constituent: Field pH Analysis Run 6/22/2020 2:54 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.8, Std. Dev.=0.3549, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8636, critical = 0.814. Kappa = 2.077 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

Constituent: Field pH Analysis Run 6/22/2020 2:54 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Prediction Limit

Constituent: Field pH (SU) Analysis Run 6/22/2020 2:55 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100	MW-100
2/29/2016	5.11	
5/2/2016	4.76	
7/5/2016	5.12	
9/6/2016	5.11	
11/7/2016	4.76	
1/9/2017	4.99	
3/13/2017	4.57	
5/15/2017	4.6	
10/2/2017	4.64	
3/12/2018	4.85	
6/5/2018	4.92	
10/16/2018	4.93	
2/27/2019	4.75	
5/31/2019		4.9
11/6/2019		4.82
4/16/2020		5.03

Prediction Limit

Constituent: Field pH (SU) Analysis Run 6/22/2020 2:55 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-101	MW-101
2/29/2016	5.26	
5/4/2016	5.1	
7/8/2016	4.96	
9/6/2016	5.43	
11/10/2016	4.89	
1/11/2017	4.87	
3/14/2017	4.71	
5/18/2017	4.5	
10/5/2017	4.63	
3/14/2018	5.14	
6/10/2018	5.12	
10/18/2018	4.97	
2/27/2019	4.84	
5/31/2019		4.92
11/6/2019		4.94
4/16/2020		5.17

Prediction Limit

Constituent: Field pH (SU) Analysis Run 6/22/2020 2:55 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-107	MW-107
2/29/2016	5.11	
5/2/2016	4.77	
7/5/2016	5.48	
9/6/2016	5.12	
11/7/2016	4.73	
1/9/2017	5	
3/13/2017	4.74	
5/15/2017	4.63	
10/2/2017	4.63	
3/12/2018	4.81	
6/5/2018	5.04	
10/16/2018	4.98	
2/27/2019	4.78	
5/31/2019		4.92
11/6/2019		4.88
4/16/2020		5.15

Prediction Limit

Constituent: Field pH (SU) Analysis Run 6/22/2020 2:55 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-108	MW-108
2/29/2016	4.9	
5/2/2016	4.69	
7/5/2016	7.11 (o)	
9/6/2016	5.19	
11/7/2016	4.64	
1/9/2017	4.94	
3/13/2017	4.63	
5/15/2017	4.52	
10/2/2017	4.54	
3/12/2018	4.81	
6/5/2018	4.9	
10/16/2018	4.81	
2/27/2019	4.71	
5/31/2019		4.84
11/6/2019		4.78
4/16/2020		4.96

Prediction Limit

Constituent: Field pH (SU) Analysis Run 6/22/2020 2:55 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-200	MW-200
3/2/2016	5.16 (D)	
5/3/2016	5.1	
7/5/2016	4.86	
9/8/2016	4.76	
11/9/2016	4.99	
1/12/2017	5.04	
3/17/2017	5.02	
5/16/2017	4.77	
10/4/2017	4.89	
12/20/2017	4.94 (R)	
3/13/2018	5.19	
6/8/2018	5.05	
11/13/2018	5.11	
2/28/2019	4.97	
6/4/2019		5.27
11/12/2019		4.92
4/18/2020		5.2

Prediction Limit

Constituent: Field pH (SU) Analysis Run 6/22/2020 2:55 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-201	MW-201
3/2/2016	5.57	
5/4/2016	5.62	
7/6/2016	5.52	
9/8/2016	5.26	
11/8/2016	5.09	
1/13/2017	5.14	
3/16/2017	5.1	
5/17/2017	4.9	
10/4/2017	4.84	
12/20/2017	4.94 (R)	
3/14/2018	4.82	
6/9/2018	4.81	
11/14/2018	4.85	
3/5/2019	4.71	
6/4/2019		4.85
11/12/2019		4.67
4/22/2020		4.69

Prediction Limit

Constituent: Field pH (SU) Analysis Run 6/22/2020 2:55 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-206	MW-206
3/2/2016	4.62	
5/3/2016	4.26	
7/5/2016	4.15	
9/8/2016	4.6	
11/9/2016	4.12	
1/12/2017	4.24	
3/17/2017	4.22	
5/17/2017	4.35	
10/3/2017	4.11	
12/20/2017	4.31	
3/14/2018	4.35	
6/8/2018	4.31	
10/17/2018	4.41	
2/28/2019	4.42	
6/4/2019		4.69
11/12/2019		4.56
4/18/2020		5

Prediction Limit

Constituent: Field pH (SU) Analysis Run 6/22/2020 2:55 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306	MW-306
3/1/2016	5.08	
5/3/2016	5.14	
7/5/2016	5.38	
9/6/2016	5.37	
11/7/2016	4.92	
1/9/2017	5.05	
3/13/2017	4.87	
5/15/2017	4.69	
10/2/2017	4.88	
3/12/2018	5.07	
6/6/2018	5.09	
10/17/2018	4.99	
2/27/2019	4.87	
5/31/2019		4.89
11/6/2019		5.04
4/16/2020		5.13

Prediction Limit

Constituent: Field pH (SU) Analysis Run 6/22/2020 2:55 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-307	MW-307
3/1/2016	6.37	
5/2/2016	5.605 (D)	
7/5/2016	6.29	
9/6/2016	6.42	
11/7/2016	5.75	
1/9/2017	5.98	
3/13/2017	5.81	
5/15/2017	5.42	
10/2/2017	5.63	
3/12/2018	5.6	
6/6/2018	5.58	
10/17/2018	5.54	
2/27/2019	5.4	
5/31/2019		5.45
11/6/2019		5.52
4/16/2020		5.58

300 Series

Appendix III Interwell Prediction Limits - 300 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/25/2020, 9:27 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-303	0.081	n/a	4/18/2020	5.7	Yes	96	n/a	n/a	84.38	n/a	n/a	0.0002111	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-304	0.081	n/a	4/18/2020	2.8	Yes	96	n/a	n/a	84.38	n/a	n/a	0.0002111	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-308	0.081	n/a	4/18/2020	3	Yes	96	n/a	n/a	84.38	n/a	n/a	0.0002111	NP Inter (NDs) 1 of 2
Calcium (mg/L)	MW-303	1.39	n/a	4/18/2020	93	Yes	96	0.8884	0.1259	0	None	x^(1/3)	0.001504	Param Inter 1 of 2
Calcium (mg/L)	MW-304	1.39	n/a	4/18/2020	150	Yes	96	0.8884	0.1259	0	None	x^(1/3)	0.001504	Param Inter 1 of 2
Calcium (mg/L)	MW-308	1.39	n/a	4/18/2020	48	Yes	96	0.8884	0.1259	0	None	x^(1/3)	0.001504	Param Inter 1 of 2
Chloride (mg/L)	MW-300	6.703	n/a	4/18/2020	8.7	Yes	96	5.206	0.8278	0	None	No	0.001504	Param Inter 1 of 2
Chloride (mg/L)	MW-303	6.703	n/a	4/18/2020	96	Yes	96	5.206	0.8278	0	None	No	0.001504	Param Inter 1 of 2
Chloride (mg/L)	MW-304	6.703	n/a	4/18/2020	140	Yes	96	5.206	0.8278	0	None	No	0.001504	Param Inter 1 of 2
Chloride (mg/L)	MW-305	6.703	n/a	4/18/2020	8.2	Yes	96	5.206	0.8278	0	None	No	0.001504	Param Inter 1 of 2
Chloride (mg/L)	MW-308	6.703	n/a	4/18/2020	33	Yes	96	5.206	0.8278	0	None	No	0.001504	Param Inter 1 of 2
Fluoride (mg/L)	MW-303	0.12	n/a	4/18/2020	0.25	Yes	96	n/a	n/a	97.92	n/a	n/a	0.0002111	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-308	0.12	n/a	4/18/2020	0.17	Yes	96	n/a	n/a	97.92	n/a	n/a	0.0002111	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-303	5	n/a	4/18/2020	260	Yes	95	n/a	n/a	75.79	n/a	n/a	0.0002155	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-304	5	n/a	4/18/2020	600	Yes	95	n/a	n/a	75.79	n/a	n/a	0.0002155	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-308	5	n/a	4/18/2020	120	Yes	95	n/a	n/a	75.79	n/a	n/a	0.0002155	NP Inter (NDs) 1 of 2
Total Dissolved Solids (mg/L)	MW-303	110	n/a	4/18/2020	520	Yes	96	n/a	n/a	28.13	n/a	n/a	0.0002111	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-304	110	n/a	4/18/2020	1000	Yes	96	n/a	n/a	28.13	n/a	n/a	0.0002111	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-308	110	n/a	4/18/2020	280	Yes	96	n/a	n/a	28.13	n/a	n/a	0.0002111	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - 300 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/25/2020, 9:27 AM

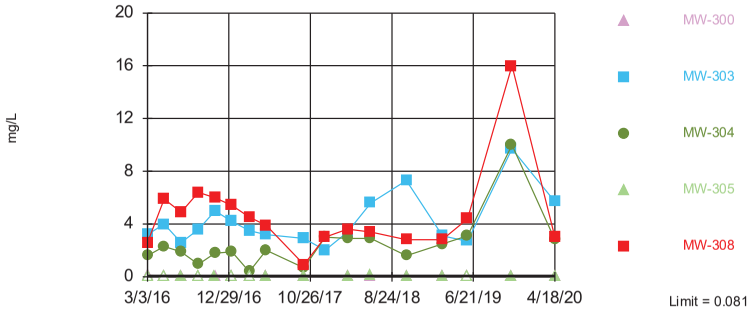
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-300	0.081	n/a	4/18/2020	0.027	No	96	n/a	n/a	84.38	n/a	n/a	0.0002111	NP Inter (NDs) 1 of 2
Boron (mg/L)	**MW-303**	**0.081**	**n/a**	**4/18/2020**	**5.7**	**Yes**	**96**	**n/a**	**n/a**	**84.38**	**n/a**	**n/a**	**0.0002111**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-304**	**0.081**	**n/a**	**4/18/2020**	**2.8**	**Yes**	**96**	**n/a**	**n/a**	**84.38**	**n/a**	**n/a**	**0.0002111**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	MW-305	0.081	n/a	4/18/2020	0.016	No	96	n/a	n/a	84.38	n/a	n/a	0.0002111	NP Inter (NDs) 1 of 2
Boron (mg/L)	**MW-308**	**0.081**	**n/a**	**4/18/2020**	**3**	**Yes**	**96**	**n/a**	**n/a**	**84.38**	**n/a**	**n/a**	**0.0002111**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	MW-300	1.39	n/a	4/18/2020	0.48	No	96	0.8884	0.1259	0	None	x^(1/3)	0.001504	Param Inter 1 of 2
Calcium (mg/L)	**MW-303**	**1.39**	**n/a**	**4/18/2020**	**93**	**Yes**	**96**	**0.8884**	**0.1259**	**0**	**None**	**x^(1/3)**	**0.001504**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-304**	**1.39**	**n/a**	**4/18/2020**	**150**	**Yes**	**96**	**0.8884**	**0.1259**	**0**	**None**	**x^(1/3)**	**0.001504**	**Param Inter 1 of 2**
Calcium (mg/L)	MW-305	1.39	n/a	4/18/2020	0.9	No	96	0.8884	0.1259	0	None	x^(1/3)	0.001504	Param Inter 1 of 2
Calcium (mg/L)	**MW-308**	**1.39**	**n/a**	**4/18/2020**	**48**	**Yes**	**96**	**0.8884**	**0.1259**	**0**	**None**	**x^(1/3)**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-300**	**6.703**	**n/a**	**4/18/2020**	**8.7**	**Yes**	**96**	**5.206**	**0.8278**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-303**	**6.703**	**n/a**	**4/18/2020**	**96**	**Yes**	**96**	**5.206**	**0.8278**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-304**	**6.703**	**n/a**	**4/18/2020**	**140**	**Yes**	**96**	**5.206**	**0.8278**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-305**	**6.703**	**n/a**	**4/18/2020**	**8.2**	**Yes**	**96**	**5.206**	**0.8278**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-308**	**6.703**	**n/a**	**4/18/2020**	**33**	**Yes**	**96**	**5.206**	**0.8278**	**0**	**None**	**No**	**0.001504**	**Param Inter 1 of 2**
Fluoride (mg/L)	MW-300	0.12	n/a	4/18/2020	0.1ND	No	96	n/a	n/a	97.92	n/a	n/a	0.0002111	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-303**	**0.12**	**n/a**	**4/18/2020**	**0.25**	**Yes**	**96**	**n/a**	**n/a**	**97.92**	**n/a**	**n/a**	**0.0002111**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	MW-304	0.12	n/a	4/18/2020	0.1ND	No	96	n/a	n/a	97.92	n/a	n/a	0.0002111	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-305	0.12	n/a	4/18/2020	0.1ND	No	96	n/a	n/a	97.92	n/a	n/a	0.0002111	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-308**	**0.12**	**n/a**	**4/18/2020**	**0.17**	**Yes**	**96**	**n/a**	**n/a**	**97.92**	**n/a**	**n/a**	**0.0002111**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	MW-300	5	n/a	4/18/2020	5ND	No	95	n/a	n/a	75.79	n/a	n/a	0.0002155	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-303**	**5**	**n/a**	**4/18/2020**	**260**	**Yes**	**95**	**n/a**	**n/a**	**75.79**	**n/a**	**n/a**	**0.0002155**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-304**	**5**	**n/a**	**4/18/2020**	**600**	**Yes**	**95**	**n/a**	**n/a**	**75.79**	**n/a**	**n/a**	**0.0002155**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	MW-305	5	n/a	4/18/2020	5ND	No	95	n/a	n/a	75.79	n/a	n/a	0.0002155	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-308**	**5**	**n/a**	**4/18/2020**	**120**	**Yes**	**95**	**n/a**	**n/a**	**75.79**	**n/a**	**n/a**	**0.0002155**	**NP Inter (NDs) 1 of 2**
Total Dissolved Solids (mg/L)	MW-300	110	n/a	4/18/2020	62	No	96	n/a	n/a	28.13	n/a	n/a	0.0002111	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-303**	**110**	**n/a**	**4/18/2020**	**520**	**Yes**	**96**	**n/a**	**n/a**	**28.13**	**n/a**	**n/a**	**0.0002111**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-304**	**110**	**n/a**	**4/18/2020**	**1000**	**Yes**	**96**	**n/a**	**n/a**	**28.13**	**n/a**	**n/a**	**0.0002111**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	MW-305	110	n/a	4/18/2020	36	No	96	n/a	n/a	28.13	n/a	n/a	0.0002111	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-308**	**110**	**n/a**	**4/18/2020**	**280**	**Yes**	**96**	**n/a**	**n/a**	**28.13**	**n/a**	**n/a**	**0.0002111**	**NP Inter (normality) 1 of 2**

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-303, MW-304, MW-308

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 96 background values. 84.38% NDs. Annual per-constituent alpha = 0.002109. Individual comparison alpha = 0.0002111 (1 of 2). Comparing 5 points to limit.

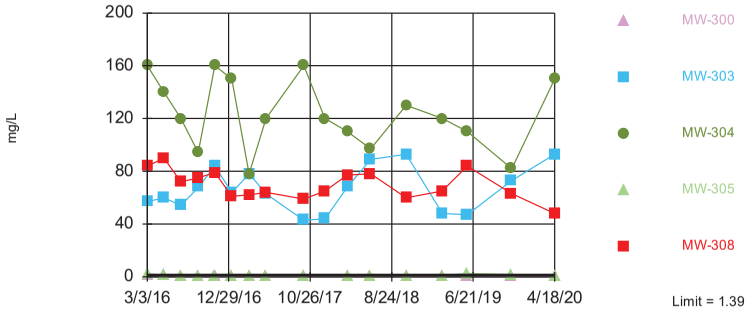
Constituent: Boron Analysis Run 6/25/2020 9:26 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Exceeds Limit: MW-303, MW-304, MW-308

Prediction Limit

Interwell Parametric



Background Data Summary (based on cube root transformation): Mean=0.8884, Std. Dev.=0.1259, n=96. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9651, critical = 0.965. Kappa = 1.808 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.001504. Comparing 5 points to limit.

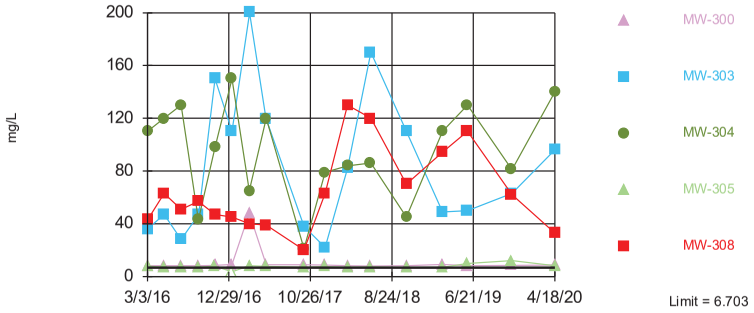
Constituent: Calcium Analysis Run 6/25/2020 9:26 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-300, MW-303, MW-304, MW-305, MW-308

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=5.206, Std. Dev.=0.8278, n=96. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.97, critical = 0.965. Kappa = 1.808 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.001504. Comparing 5 points to limit.

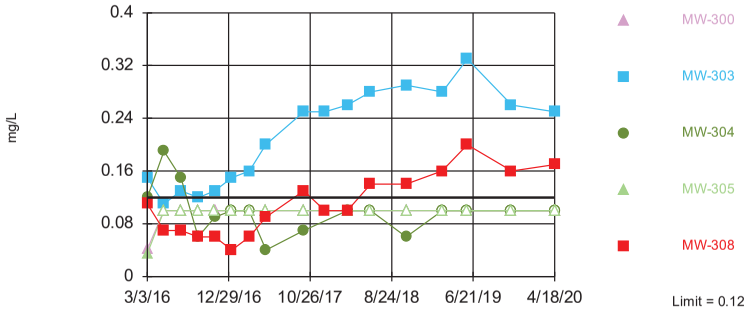
Constituent: Chloride Analysis Run 6/25/2020 9:26 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-303, MW-308

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 96 background values. 97.92% NDs. Annual per-constituent alpha = 0.002109. Individual comparison alpha = 0.0002111 (1 of 2). Comparing 5 points to limit.

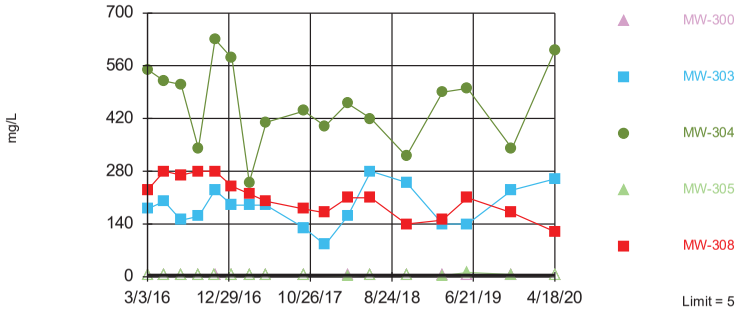
Constituent: Fluoride Analysis Run 6/25/2020 9:26 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-303, MW-304, MW-308

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 95 background values. 75.79% NDs. Annual per-constituent alpha = 0.002153. Individual comparison alpha = 0.0002155 (1 of 2). Comparing 5 points to limit.

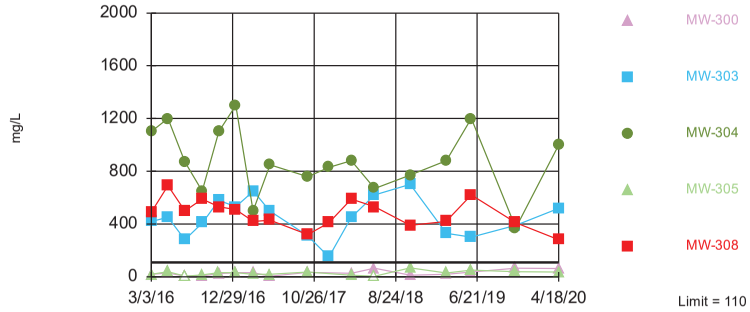
Constituent: Sulfate Analysis Run 6/25/2020 9:26 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-303, MW-304, MW-308

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 96 background values. 28.13% NDs. Annual per-constituent alpha = 0.002109. Individual comparison alpha = 0.0002111 (1 of 2). Comparing 5 points to limit.

Constituent: Total Dissolved Solids Analysis Run 6/25/2020 9:26 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 6/25/2020 9:27 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-101 (bg)	MW-107 (bg)	MW-307 (bg)	MW-306 (bg)	MW-304	MW-305	MW-303
2/29/2016	<0.05	<0.05	<0.05	<0.05					
3/1/2016					<0.05	<0.05			
3/3/2016							1.6	<0.05	3.2
5/2/2016	<0.05	<0.05		<0.05	<0.05				
5/3/2016						<0.05			
5/4/2016			<0.05				2.3	<0.05	4
7/5/2016	<0.05	<0.05		<0.05	<0.05	<0.05			
7/6/2016							1.9		2.6
7/7/2016								0.034 (J)	
7/8/2016			<0.05						
9/6/2016	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
9/7/2016							0.95	<0.05	
9/8/2016									3.6
11/7/2016	<0.05	<0.05		<0.05	<0.05	<0.05		0.045 (J)	
11/8/2016							1.8		5
11/10/2016			<0.05						
1/9/2017	<0.05	<0.05		<0.05	<0.05	<0.05			
1/10/2017							1.9	<0.05	4.2
1/11/2017			<0.05						
3/13/2017	<0.05	0.022 (J)		<0.05	<0.05	<0.05			
3/14/2017			<0.05						
3/15/2017							0.38	<0.05	
3/16/2017									3.5
5/15/2017	<0.05	<0.05		<0.05	<0.05	<0.05			3.2
5/16/2017							2	0.043 (J)	
5/18/2017			<0.05						
10/2/2017	<0.05	0.023 (J)		<0.05	<0.05	<0.05			
10/3/2017							0.67	0.026 (J)	2.9
10/5/2017			<0.05						
12/20/2017							3		2
3/12/2018	<0.05	<0.05		<0.05	<0.05	<0.05			
3/13/2018							2.9	0.07	3.4
3/14/2018			<0.05						
6/5/2018	<0.05	<0.05		<0.05					
6/6/2018					<0.05	<0.05			
6/7/2018							2.9	0.1	5.6
6/10/2018			<0.05						
10/16/2018	<0.05	<0.05		<0.05					
10/17/2018					<0.05	<0.05	1.6	0.074	7.3
10/18/2018			0.081						
2/27/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
2/28/2019							2.5	0.027 (J)	3.1
5/31/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	3.1	<0.05	2.7
11/6/2019	0.017 (V)	0.022 (V)	0.016 (V)	0.016 (V)	0.0099 (J)	0.011 (V)			
11/11/2019							10	0.036 (V)	9.7
4/16/2020	0.02	0.017	0.013	0.013	0.0055 (J)	0.0075 (J)			
4/18/2020							2.8	0.016	5.7

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 6/25/2020 9:27 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-300	MW-308
2/29/2016		
3/1/2016		
3/3/2016	0.11 (J)	2.6
5/2/2016		
5/3/2016		
5/4/2016	<0.05	5.9
7/5/2016		
7/6/2016		4.9
7/7/2016	<0.05	
7/8/2016		
9/6/2016		
9/7/2016	0.028 (J)	6.4
9/8/2016		
11/7/2016		
11/8/2016	0.025 (J)	6
11/10/2016		
1/9/2017		
1/10/2017	<0.05	5.4
1/11/2017		
3/13/2017		
3/14/2017		
3/15/2017	<0.05	
3/16/2017		4.5
5/15/2017		
5/16/2017	<0.05	3.9
5/18/2017		
10/2/2017		
10/3/2017	0.03 (J)	0.93
10/5/2017		
12/20/2017		3
3/12/2018		
3/13/2018	<0.05	3.6
3/14/2018		
6/5/2018		
6/6/2018	0.024 (J)	
6/7/2018		3.4
6/10/2018		
10/16/2018		
10/17/2018		2.8
10/18/2018	0.022 (J)	
2/27/2019		2.8
2/28/2019	<0.05	
5/31/2019	<0.05	4.4
11/6/2019		
11/11/2019	0.035 (V)	16
4/16/2020		
4/18/2020	0.027	3

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 6/25/2020 9:27 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-101 (bg)	MW-107 (bg)	MW-307 (bg)	MW-306 (bg)	MW-304	MW-305	MW-303
2/29/2016	1	1.4	1 (J)	0.67					
3/1/2016					1.5	0.6			
3/3/2016							160	2.5	57
5/2/2016	0.78	1.1		0.58	0.83				
5/3/2016						0.55			
5/4/2016			0.62				140	1.1	60
7/5/2016	0.65	0.94		0.43	1.6	0.53			
7/6/2016							120		54
7/7/2016								0.71	
7/8/2016			0.4						
9/6/2016	0.7	1	0.45	0.48	1.6	0.5			
9/7/2016							94	0.78	
9/8/2016									68
11/7/2016	0.8	1.2		0.56	1.5	0.68		0.82	
11/8/2016							160		84
11/10/2016			0.44						
1/9/2017	0.74	1.2		0.43	0.98	0.56			
1/10/2017							150	0.58	64
1/11/2017			0.42						
3/13/2017	0.78	1.3		0.48	0.75	0.62			
3/14/2017			0.42						
3/15/2017							78	0.69	
3/16/2017									78
5/15/2017	0.76	1		0.37	0.83	0.58			63
5/16/2017							120	0.66	
5/18/2017			0.38						
10/2/2017	0.78	1.2		0.47	0.83	0.62			
10/3/2017							160	0.68	43
10/5/2017			0.39						
12/20/2017							120		44
3/12/2018	0.88	1.4		0.49	0.71	0.59			
3/13/2018							110	0.65	68
3/14/2018			0.49						
6/5/2018	0.9	1.2		0.49					
6/6/2018					0.68	0.59			
6/7/2018							97	0.6	89
6/10/2018			0.39						
10/16/2018	0.86	1.4		0.42					
10/17/2018					0.66	0.54	130	0.73	93
10/18/2018			0.41						
2/27/2019	0.96	1.3	0.44	0.56	0.7	0.63			
2/28/2019							120	0.84	48
5/31/2019	0.76	1.1	0.28	0.33	0.52	0.45	110	2.6	47
11/6/2019	0.88	1.2	0.46	0.49	0.74	0.55			
11/11/2019							82	1.6 (V)	73
4/16/2020	0.84	1.3	0.38	0.36	0.59	0.53			
4/18/2020							150	0.9	93

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 6/25/2020 9:27 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-300	MW-308
2/29/2016		
3/1/2016		
3/3/2016	1 (J)	84
5/2/2016		
5/3/2016		
5/4/2016	1	90
7/5/2016		
7/6/2016		72
7/7/2016	0.62	
7/8/2016		
9/6/2016		
9/7/2016	0.6	75
9/8/2016		
11/7/2016		
11/8/2016	0.53	79
11/10/2016		
1/9/2017		
1/10/2017	0.51	61
1/11/2017		
3/13/2017		
3/14/2017		
3/15/2017	0.53	
3/16/2017		62
5/15/2017		
5/16/2017	0.48	64
5/18/2017		
10/2/2017		
10/3/2017	0.46	59
10/5/2017		
12/20/2017		65
3/12/2018		
3/13/2018	0.46	77
3/14/2018		
6/5/2018		
6/6/2018	0.45	
6/7/2018		78
6/10/2018		
10/16/2018		
10/17/2018		60
10/18/2018	0.48	
2/27/2019		65
2/28/2019	0.44	
5/31/2019	0.55	84
11/6/2019		
11/11/2019	0.56 (V)	63
4/16/2020		
4/18/2020	0.48	48

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 6/25/2020 9:27 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-101 (bg)	MW-107 (bg)	MW-307 (bg)	MW-306 (bg)	MW-304	MW-305	MW-303
2/29/2016	5.3	7.4	5.4	8.1					
3/1/2016					4	5.6			
3/3/2016							110	7.9	36
5/2/2016	4.4	6.3		6	3.6				
5/3/2016						5.1			
5/4/2016			4.5				120	7	47
7/5/2016	4.2	4.8		5.2	3.6	4.7			
7/6/2016							130		28
7/7/2016								7.1	
7/8/2016			4.9						
9/6/2016	4.3	6	4.3	5.5	4	4.4			
9/7/2016							43	6.9	
9/8/2016									47
11/7/2016	4.2	5.7		5.4	4.4	4.6		8	
11/8/2016							98		150
11/10/2016			4.5						
1/9/2017	5.3	6.8		6.1	4.4	5.3			
1/10/2017							150	<7.4	110
1/11/2017			5.3						
3/13/2017	5.2	6.8		5.5	4.1	5.6			
3/14/2017			5.5						
3/15/2017							65	8.1	
3/16/2017									200
5/15/2017	4.8	6.1		4.7	3.7	5.2			120
5/16/2017							120	7.8	
5/18/2017			5						
10/2/2017	5.5	6		6.1	4.8	5.5			
10/3/2017							21	7.1	38
10/5/2017			5.6						
12/20/2017							79	7.6	22
3/12/2018	5.3	5.9		6.1	4	5.6			
3/13/2018							84	6.9	82
3/14/2018			5.2						
6/5/2018	5.3	6.5		5.5					
6/6/2018					4.1	5.6			
6/7/2018							86	7.3	170
6/10/2018			5.2						
10/16/2018	5.5	5.9		5.1					
10/17/2018					3.7	5.5	45	6.8	110
10/18/2018			5.2						
2/27/2019	4.6	4.3	5.1	5	4	5.1			
2/28/2019							110	7.1	49
5/31/2019	5.1	4.5	5	5.4	3.7	5.4	130	9.8	50
11/6/2019	5.8	5.7	6	6.1	4.7	5.9			
11/11/2019							81	12	63
4/16/2020	6.1	5.6	5.8	5.3	4.9	6.2			
4/18/2020							140	8.2	96

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 6/25/2020 9:27 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-300	MW-308
2/29/2016		
3/1/2016		
3/3/2016	8.2	43
5/2/2016		
5/3/2016		
5/4/2016	8.2	63
7/5/2016		
7/6/2016		51
7/7/2016	8.3	
7/8/2016		
9/6/2016		
9/7/2016	8.1	57
9/8/2016		
11/7/2016		
11/8/2016	8.5	47
11/10/2016		
1/9/2017		
1/10/2017	9.1	45
1/11/2017		
3/13/2017		
3/14/2017		
3/15/2017	48	
3/16/2017		40
5/15/2017		
5/16/2017	8.9	39
5/18/2017		
10/2/2017		
10/3/2017	8.9	20
10/5/2017		
12/20/2017	8.8	63
3/12/2018		
3/13/2018	8.3	130
3/14/2018		
6/5/2018		
6/6/2018	8	
6/7/2018		120
6/10/2018		
10/16/2018		
10/17/2018		70
10/18/2018	8.1	
2/27/2019		94
2/28/2019	9.1	
5/31/2019	8.2	110
11/6/2019		
11/11/2019	8.4	62
4/16/2020		
4/18/2020	8.7	33

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 6/25/2020 9:27 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-303	MW-305	MW-300
2/29/2016	<0.1	<0.1	<0.1	<0.1					
3/1/2016					<0.1	0.033 (J)			
3/3/2016							0.15	0.035 (J)	0.041 (J)
5/2/2016	<0.1	<0.1	<0.1			<0.1			
5/3/2016					<0.1				
5/4/2016				<0.1			0.11	<0.1	<0.1
7/5/2016	<0.1	<0.1	<0.1		<0.1	<0.1			
7/6/2016							0.13		
7/7/2016								<0.1	<0.1
7/8/2016				<0.1					
9/6/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
9/7/2016								<0.1	<0.1
9/8/2016							0.12		
11/7/2016	<0.1	<0.1	<0.1		<0.1	<0.1		<0.1	
11/8/2016							0.13		<0.1
11/10/2016				<0.1					
1/9/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
1/10/2017							0.15	<0.1	<0.1
1/11/2017				<0.1					
3/13/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
3/14/2017				<0.1					
3/15/2017								<0.1	<0.1
3/16/2017							0.16		
5/15/2017	<0.1	<0.1	<0.1		<0.1	<0.1	0.2		
5/16/2017								<0.1	<0.1
5/18/2017				<0.1					
10/2/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
10/3/2017							0.25	<0.1	<0.1
10/5/2017				<0.1					
12/20/2017							0.25		
3/12/2018	<0.1	<0.1	<0.1		<0.1	<0.1			
3/13/2018							0.26	<0.1	<0.1
3/14/2018				0.12					
6/5/2018	<0.1	<0.1	<0.1						
6/6/2018					<0.1	<0.1			<0.1
6/7/2018							0.28	<0.1	
6/10/2018				<0.1					
10/16/2018	<0.1	<0.1	<0.1						
10/17/2018					<0.1	<0.1	0.29	<0.1	
10/18/2018				<0.1					<0.1
2/27/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
2/28/2019							0.28	<0.1	<0.1
5/31/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.33	<0.1	<0.1
11/6/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
11/11/2019							0.26	<0.1	<0.1
4/16/2020	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
4/18/2020							0.25	<0.1	<0.1

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 6/25/2020 9:27 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-308	MW-304
2/29/2016		
3/1/2016		
3/3/2016	0.11	0.12
5/2/2016		
5/3/2016		
5/4/2016	0.07 (J)	0.19
7/5/2016		
7/6/2016	0.07 (J)	0.15
7/7/2016		
7/8/2016		
9/6/2016		
9/7/2016	0.06 (J)	0.06 (J)
9/8/2016		
11/7/2016		
11/8/2016	0.06 (J)	0.09 (J)
11/10/2016		
1/9/2017		
1/10/2017	0.04 (J)	<0.1
1/11/2017		
3/13/2017		
3/14/2017		
3/15/2017		<0.1
3/16/2017	0.06 (J)	
5/15/2017		
5/16/2017	0.09 (J)	0.04 (J)
5/18/2017		
10/2/2017		
10/3/2017	0.13	0.07 (J)
10/5/2017		
12/20/2017	0.1	
3/12/2018		
3/13/2018	0.1	<0.1
3/14/2018		
6/5/2018		
6/6/2018		
6/7/2018	0.14	<0.1
6/10/2018		
10/16/2018		
10/17/2018	0.14	0.06 (J)
10/18/2018		
2/27/2019	0.16	
2/28/2019		<0.1
5/31/2019	0.2	<0.1
11/6/2019		
11/11/2019	0.16	<0.1
4/16/2020		
4/18/2020	0.17	<0.1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/25/2020 9:27 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-304	MW-305	MW-303
2/29/2016	<5	<5	1.6 (J)	<5					
3/1/2016					<5	<5			
3/3/2016							550	<5	180
5/2/2016	15 (o)	<5	2.1 (J)			<5			
5/3/2016					<5				
5/4/2016				<5			520	<5	200
7/5/2016	<5	<5	2 (J)		<5	<5			
7/6/2016							510		150
7/7/2016								<5	
7/8/2016				<5					
9/6/2016	<5	<5	1.8 (J)	<5	<5	3.7 (J)			
9/7/2016							340	<5	
9/8/2016									160
11/7/2016	<5	<5	1.7 (J)		<5	<5		<5	
11/8/2016							630		230
11/10/2016				<5					
1/9/2017	<5	2.6 (J)	1.5 (J)		<5	<5			
1/10/2017							580	<5	190
1/11/2017				<5					
3/13/2017	2.5 (J)	<5	2.2 (J)		<5	<5			
3/14/2017				<5					
3/15/2017							250	<5	
3/16/2017									190
5/15/2017	<5	<5	1.9 (J)		<5	<5			190
5/16/2017							410	<5	
5/18/2017				<5 (X)					
10/2/2017	<5	<5	3.4 (J)		1.5 (J)	1.7 (J)			
10/3/2017							440	<5	130
10/5/2017				<5					
12/20/2017							400		85
3/12/2018	<5	<5	2.6 (J)		<5	<5			
3/13/2018							460	1.5 (J)	160
3/14/2018				<5					
6/5/2018	<5	<5	2.6 (J)						
6/6/2018					<5	<5			
6/7/2018							420	<5	280
6/10/2018				1.5 (J)					
10/16/2018	<5	<5	2.8 (J)						
10/17/2018					<5	<5	320	<5	250
10/18/2018				<5					
2/27/2019	<5	<5	2.4 (J)	1.9 (J)	<5	<5			
2/28/2019							490	2.6 (J)	140
5/31/2019	<5	<5	3.3 (J)	<5	<5	<5	500	12	140
11/6/2019	<5	<5	3.7 (J)	<5	<5	<5			
11/11/2019							340	5.5	230
4/16/2020	<5	<5	1.7 (J)	<5	<5	<5			
4/18/2020							600	<5	260

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/25/2020 9:27 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-300	MW-308
2/29/2016		
3/1/2016		
3/3/2016	<5	230
5/2/2016		
5/3/2016		
5/4/2016	<5	280
7/5/2016		
7/6/2016		270
7/7/2016	<5	
7/8/2016		
9/6/2016		
9/7/2016	<5	280
9/8/2016		
11/7/2016		
11/8/2016	<5	280
11/10/2016		
1/9/2017		
1/10/2017	<5	240
1/11/2017		
3/13/2017		
3/14/2017		
3/15/2017	<5	
3/16/2017		220
5/15/2017		
5/16/2017	<5	200
5/18/2017		
10/2/2017		
10/3/2017	<5	180
10/5/2017		
12/20/2017		170
3/12/2018		
3/13/2018	<5	210
3/14/2018		
6/5/2018		
6/6/2018	<5	
6/7/2018		210
6/10/2018		
10/16/2018		
10/17/2018		140
10/18/2018	<5	
2/27/2019		150
2/28/2019	<5	
5/31/2019	<5	210
11/6/2019		
11/11/2019	<5	170
4/16/2020		
4/18/2020	<5	120

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 6/25/2020 9:27 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-101 (bg)	MW-107 (bg)	MW-307 (bg)	MW-306 (bg)	MW-304	MW-305	MW-303
2/29/2016	20	12	20	<5					
3/1/2016					<5	10			
3/3/2016							1100	18	420
5/2/2016	<5	6		<5	36				
5/3/2016						<5			
5/4/2016			6				1200	38	450
7/5/2016	12	<5		14	<5	<5			
7/6/2016							870		280
7/7/2016								<5	
7/8/2016			6						
9/6/2016	36	38	36	30	44	36			
9/7/2016							650	14	
9/8/2016									410
11/7/2016	18	<5		8	30	<5		32	
11/8/2016							1100		580
11/10/2016			16						
1/9/2017	4 (J)	14		<5	12	<5			
1/10/2017							1300	32	530
1/11/2017			38						
3/13/2017	6	8		<5	20	22			
3/14/2017			<5						
3/15/2017							500	20	
3/16/2017									650
5/15/2017	<5	<5		<5	4 (J)	6			500
5/16/2017							850	18	
5/18/2017			10						
10/2/2017	<5	6		<5	24	16			
10/3/2017							760	36	310
10/5/2017			<5						
12/20/2017							830		150
3/12/2018	18	<5		14	<5	<5			
3/13/2018							880	12	450
3/14/2018			8						
6/5/2018	10	14		<5					
6/6/2018					16	20			
6/7/2018							670	<5	620
6/10/2018			8						
10/16/2018	32	6		12					
10/17/2018					44	44	770	68	700
10/18/2018			28						
2/27/2019	110	110	68	54	28	20			
2/28/2019							880	28	330
5/31/2019	46	26	<5	8	18	32	1200	50	300
11/6/2019	<5	<5	10	4 (J)	20	24			
11/11/2019							370	38	390
4/16/2020	28	8	44	18	8	6			
4/18/2020							1000	36	520

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 6/25/2020 9:27 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-300	MW-308
2/29/2016		
3/1/2016		
3/3/2016	18	490
5/2/2016		
5/3/2016		
5/4/2016	28	690
7/5/2016		
7/6/2016		500
7/7/2016	<5	
7/8/2016		
9/6/2016		
9/7/2016	8	590
9/8/2016		
11/7/2016		
11/8/2016	24	530
11/10/2016		
1/9/2017		
1/10/2017	30	510
1/11/2017		
3/13/2017		
3/14/2017		
3/15/2017	32	
3/16/2017		420
5/15/2017		
5/16/2017	<5	430
5/18/2017		
10/2/2017		
10/3/2017	34	320
10/5/2017		
12/20/2017		410
3/12/2018		
3/13/2018	26	590
3/14/2018		
6/5/2018		
6/6/2018	64	
6/7/2018		530
6/10/2018		
10/16/2018		
10/17/2018		390
10/18/2018	12	
2/27/2019		420
2/28/2019	20	
5/31/2019	36	620
11/6/2019		
11/11/2019	66	410
4/16/2020		
4/18/2020	62	280

Appendix III Intrawell Prediction Limits - 300 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/25/2020, 9:25 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	**MW-308**	**6.805**	**5.551**	**4/18/2020**	**6.97**	**Yes**	**14**	**6.178**	**0.2805**	**0**	**None**	**No**	**0.000752**	**Param Intra 1 of 2**

Appendix III Intrawell Prediction Limits - 300 Series Wells - All Results

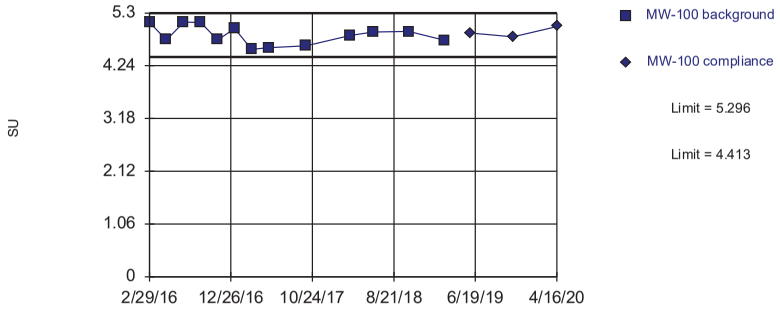
Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/25/2020, 9:25 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	MW-100	5.296	4.413	4/16/2020	5.03	No	13	4.855	0.1936	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-101	5.543	4.367	4/16/2020	5.17	No	13	4.955	0.258	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-107	5.461	4.357	4/16/2020	5.15	No	13	4.909	0.2421	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-108	5.218	4.328	4/16/2020	4.96	No	12	4.773	0.1917	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-300	5.229	4.305	4/18/2020	4.69	No	14	4.767	0.2067	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-303	7.152	5.968	4/18/2020	6.61	No	14	6.56	0.2649	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-304	6.401	4.549	4/18/2020	5.2	No	14	5.475	0.4141	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-305	5.367	4.441	4/18/2020	4.91	No	14	4.904	0.2071	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-306	5.478	4.584	4/16/2020	5.13	No	13	5.031	0.1961	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-307	6.609	4.991	4/16/2020	5.58	No	13	5.8	0.3549	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	**MW-308**	**6.805**	**5.551**	**4/18/2020**	**6.97**	**Yes**	**14**	**6.178**	**0.2805**	**0**	**None**	**No**	**0.000752**	**Param Intra 1 of 2**

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.855, Std. Dev.=0.1936, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9274, critical = 0.814. Kappa = 2.279 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 6/25/2020 9:24 AM View: 300 Series

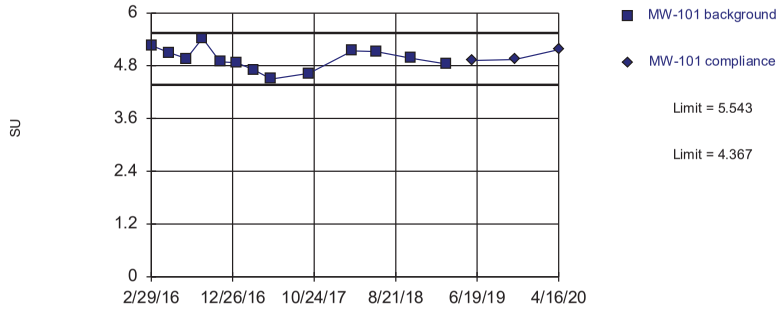
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.955, Std. Dev.=0.258, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9894, critical = 0.814. Kappa = 2.279 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 6/25/2020 9:24 AM View: 300 Series

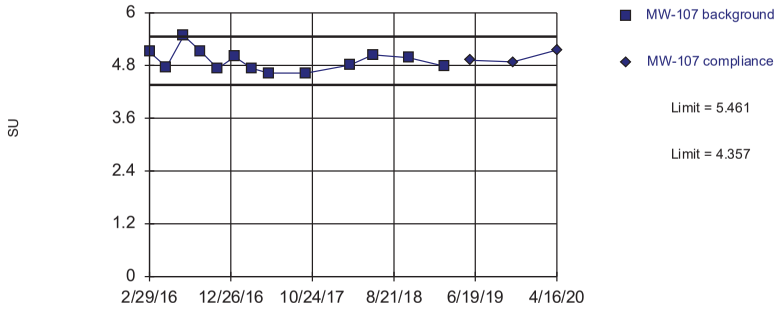
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.909, Std. Dev.=0.2421, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9038, critical = 0.814. Kappa = 2.279 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 6/25/2020 9:24 AM View: 300 Series

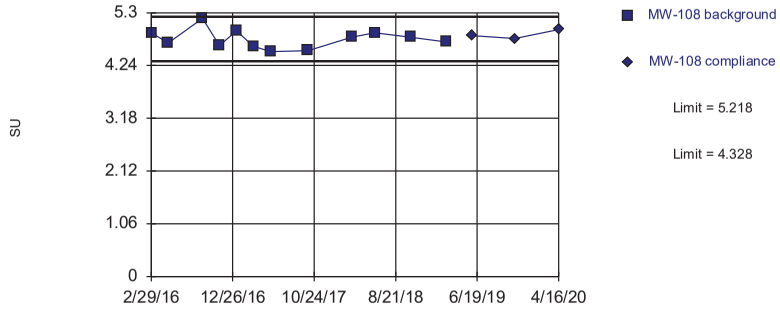
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.773, Std. Dev.=0.1917, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9468, critical = 0.805. Kappa = 2.322 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

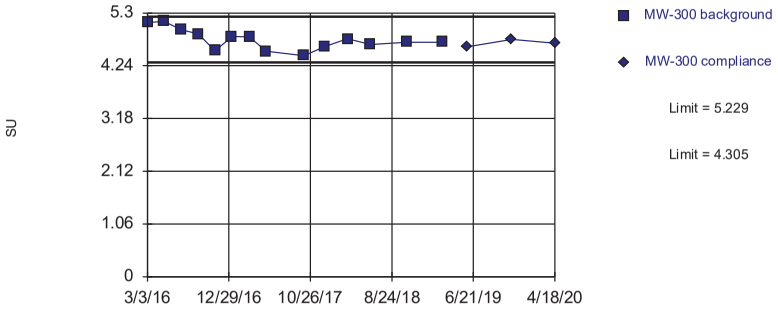
Constituent: Field pH Analysis Run 6/25/2020 9:24 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.767, Std. Dev.=0.2067, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.966, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 6/25/2020 9:24 AM View: 300 Series

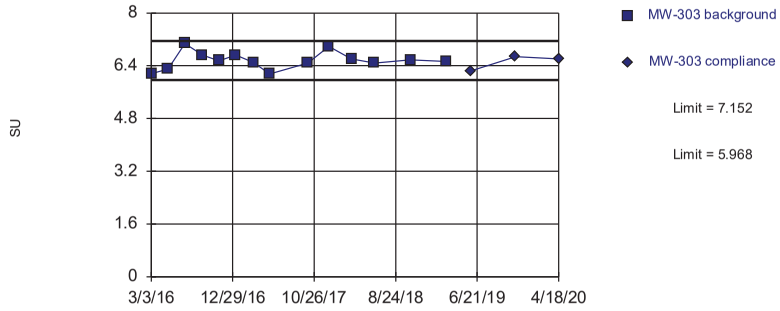
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.56, Std. Dev.=0.2649, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.943, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 6/25/2020 9:24 AM View: 300 Series

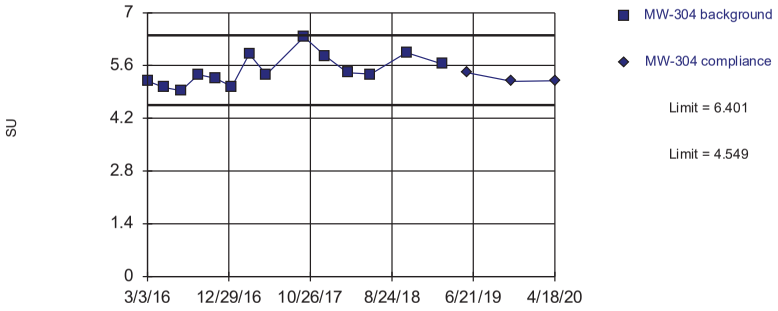
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.475, Std. Dev.=0.4141, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9337, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 6/25/2020 9:24 AM View: 300 Series

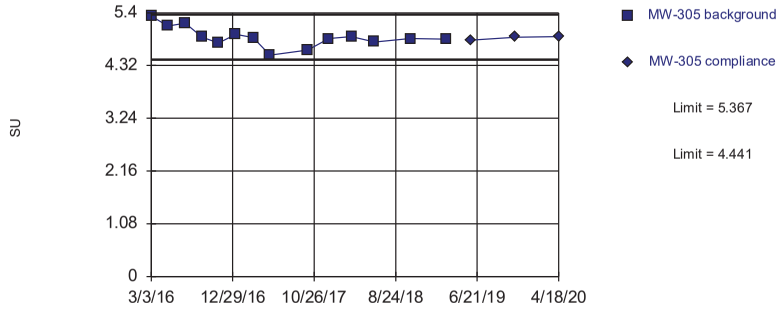
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.904, Std. Dev.=0.2071, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.946, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

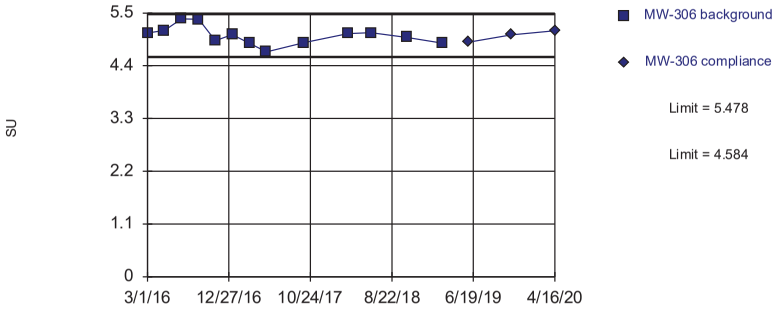
Constituent: Field pH Analysis Run 6/25/2020 9:24 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.031, Std. Dev.=0.1961, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9411, critical = 0.814. Kappa = 2.279 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 6/25/2020 9:24 AM View: 300 Series

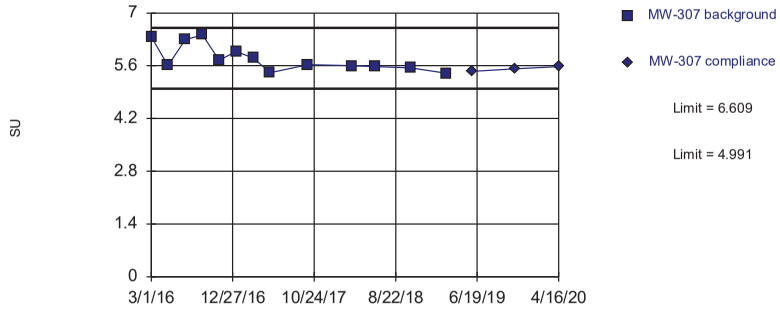
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.8, Std. Dev.=0.3549, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8636, critical = 0.814. Kappa = 2.279 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 6/25/2020 9:24 AM View: 300 Series

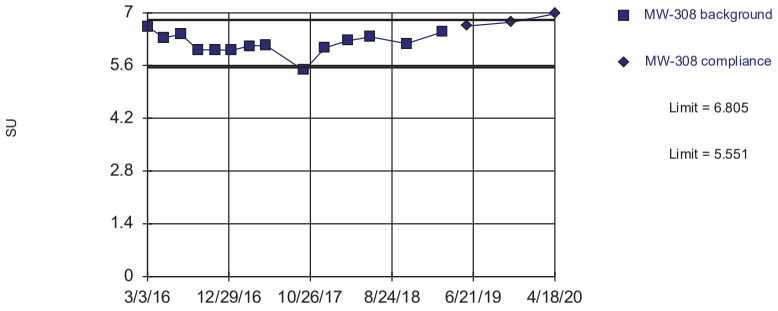
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Exceeds Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.178, Std. Dev.=0.2805, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9279, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 6/25/2020 9:24 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Prediction Limit

Constituent: Field pH (SU) Analysis Run 6/25/2020 9:25 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100	MW-100
2/29/2016	5.11	
5/2/2016	4.76	
7/5/2016	5.12	
9/6/2016	5.11	
11/7/2016	4.76	
1/9/2017	4.99	
3/13/2017	4.57	
5/15/2017	4.6	
10/2/2017	4.64	
3/12/2018	4.85	
6/5/2018	4.92	
10/16/2018	4.93	
2/27/2019	4.75	
5/31/2019		4.9
11/6/2019		4.82
4/16/2020		5.03

Prediction Limit

Constituent: Field pH (SU) Analysis Run 6/25/2020 9:25 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-101	MW-101
2/29/2016	5.26	
5/4/2016	5.1	
7/8/2016	4.96	
9/6/2016	5.43	
11/10/2016	4.89	
1/11/2017	4.87	
3/14/2017	4.71	
5/18/2017	4.5	
10/5/2017	4.63	
3/14/2018	5.14	
6/10/2018	5.12	
10/18/2018	4.97	
2/27/2019	4.84	
5/31/2019		4.92
11/6/2019		4.94
4/16/2020		5.17

Prediction Limit

Constituent: Field pH (SU) Analysis Run 6/25/2020 9:25 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-107	MW-107
2/29/2016	5.11	
5/2/2016	4.77	
7/5/2016	5.48	
9/6/2016	5.12	
11/7/2016	4.73	
1/9/2017	5	
3/13/2017	4.74	
5/15/2017	4.63	
10/2/2017	4.63	
3/12/2018	4.81	
6/5/2018	5.04	
10/16/2018	4.98	
2/27/2019	4.78	
5/31/2019		4.92
11/6/2019		4.88
4/16/2020		5.15

Prediction Limit

Constituent: Field pH (SU) Analysis Run 6/25/2020 9:25 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-108	MW-108
2/29/2016	4.9	
5/2/2016	4.69	
7/5/2016	7.11 (o)	
9/6/2016	5.19	
11/7/2016	4.64	
1/9/2017	4.94	
3/13/2017	4.63	
5/15/2017	4.52	
10/2/2017	4.54	
3/12/2018	4.81	
6/5/2018	4.9	
10/16/2018	4.81	
2/27/2019	4.71	
5/31/2019		4.84
11/6/2019		4.78
4/16/2020		4.96

Prediction Limit

Constituent: Field pH (SU) Analysis Run 6/25/2020 9:25 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-300	MW-300
3/3/2016	5.11	
5/4/2016	5.13	
7/7/2016	4.96	
9/7/2016	4.88	
11/8/2016	4.54	
1/10/2017	4.83	
3/15/2017	4.82	
5/16/2017	4.53	
10/3/2017	4.44	
12/20/2017	4.63	
3/13/2018	4.78	
6/6/2018	4.67	
10/18/2018	4.71	
2/28/2019	4.71	
5/31/2019		4.62
11/11/2019		4.77
4/18/2020		4.69

Prediction Limit

Constituent: Field pH (SU) Analysis Run 6/25/2020 9:25 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-303	MW-303
3/3/2016	6.16	
5/4/2016	6.3	
7/6/2016	7.07	
9/8/2016	6.72	
11/8/2016	6.55	
1/10/2017	6.72	
3/16/2017	6.5	
5/15/2017	6.15	
10/3/2017	6.48	
12/20/2017	6.99 (R)	
3/13/2018	6.61	
6/7/2018	6.48	
10/17/2018	6.58	
2/28/2019	6.53	
5/31/2019		6.25
11/11/2019		6.68
4/18/2020		6.61

Prediction Limit

Constituent: Field pH (SU) Analysis Run 6/25/2020 9:25 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-304	MW-304
3/3/2016	5.185 (D)	
5/4/2016	5.02 (D)	
7/6/2016	4.93	
9/7/2016	5.36	
11/8/2016	5.26	
1/10/2017	5.04	
3/15/2017	5.91	
5/16/2017	5.36	
10/3/2017	6.36	
12/20/2017	5.86	
3/13/2018	5.41	
6/7/2018	5.37	
10/17/2018	5.94	
2/28/2019	5.64	
5/31/2019		5.41
11/11/2019		5.18
4/18/2020		5.2

Prediction Limit

Constituent: Field pH (SU) Analysis Run 6/25/2020 9:25 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-305
3/3/2016	5.33	
5/4/2016	5.13	
7/7/2016	5.19	
9/7/2016	4.9	
11/7/2016	4.78	
1/10/2017	4.96	
3/15/2017	4.89	
5/16/2017	4.53	
10/3/2017	4.64	
12/20/2017	4.87	
3/13/2018	4.91	
6/7/2018	4.8	
10/17/2018	4.87	
2/28/2019	4.86	
5/31/2019		4.84
11/11/2019		4.9
4/18/2020		4.91

Prediction Limit

Constituent: Field pH (SU) Analysis Run 6/25/2020 9:25 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306	MW-306
3/1/2016	5.08	
5/3/2016	5.14	
7/5/2016	5.38	
9/6/2016	5.37	
11/7/2016	4.92	
1/9/2017	5.05	
3/13/2017	4.87	
5/15/2017	4.69	
10/2/2017	4.88	
3/12/2018	5.07	
6/6/2018	5.09	
10/17/2018	4.99	
2/27/2019	4.87	
5/31/2019		4.89
11/6/2019		5.04
4/16/2020		5.13

Prediction Limit

Constituent: Field pH (SU) Analysis Run 6/25/2020 9:25 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-307	MW-307
3/1/2016	6.37	
5/2/2016	5.605 (D)	
7/5/2016	6.29	
9/6/2016	6.42	
11/7/2016	5.75	
1/9/2017	5.98	
3/13/2017	5.81	
5/15/2017	5.42	
10/2/2017	5.63	
3/12/2018	5.6	
6/6/2018	5.58	
10/17/2018	5.54	
2/27/2019	5.4	
5/31/2019		5.45
11/6/2019		5.52
4/16/2020		5.58

Prediction Limit

Constituent: Field pH (SU) Analysis Run 6/25/2020 9:25 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-308	MW-308
3/3/2016	6.62 (D)	
5/4/2016	6.345 (D)	
7/6/2016	6.42	
9/7/2016	6.01	
11/8/2016	6.02	
1/10/2017	6	
3/16/2017	6.12	
5/16/2017	6.13	
10/3/2017	5.47	
12/20/2017	6.07 (R)	
3/13/2018	6.26	
6/7/2018	6.36	
10/17/2018	6.18	
2/27/2019	6.49	
5/31/2019		6.65
11/11/2019		6.75
4/18/2020		6.97

Trend Tests - 100, 200 & 300 Series

100 Series

Appendix III Trend Tests - 100 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/22/2020, 2:27 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	**MW-103**	**-0.3629**	**-71**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-109**	**0.4024**	**74**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-307 (bg)**	**-0.172**	**-83**	**-58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-103**	**2.223**	**90**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-109**	**1.369**	**70**	**58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	**MW-307 (bg)**	**-0.1571**	**-71**	**-58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - 100 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/22/2020, 2:27 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	MW-100 (bg)	0	-12	-58	No	16	87.5	n/a	n/a	0.01	NP
Boron (mg/L)	MW-101 (bg)	0	-34	-58	No	16	81.25	n/a	n/a	0.01	NP
Boron (mg/L)	MW-103	-0.02625	-29	-63	No	17	17.65	n/a	n/a	0.01	NP
Boron (mg/L)	MW-104	0.3323	21	63	No	17	0	n/a	n/a	0.01	NP
Boron (mg/L)	MW-105	0.2171	51	63	No	17	11.76	n/a	n/a	0.01	NP
Boron (mg/L)	MW-107 (bg)	0	-16	-58	No	16	87.5	n/a	n/a	0.01	NP
Boron (mg/L)	MW-108 (bg)	0	-12	-58	No	16	75	n/a	n/a	0.01	NP
Boron (mg/L)	MW-109	0.04419	33	58	No	16	25	n/a	n/a	0.01	NP
Boron (mg/L)	MW-110	0.3223	48	63	No	17	0	n/a	n/a	0.01	NP
Boron (mg/L)	MW-306 (bg)	0	-16	-58	No	16	87.5	n/a	n/a	0.01	NP
Boron (mg/L)	MW-307 (bg)	0	-16	-58	No	16	87.5	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-100 (bg)	0.03779	33	58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-101 (bg)	-0.03287	-44	-58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-103**	**-0.3629**	**-71**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-104	2.901	38	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-105	2.095	28	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-107 (bg)	-0.03716	-36	-58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-108 (bg)	0.03799	26	58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-109**	**0.4024**	**74**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-110	2.486	31	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-306 (bg)	-0.005864	-14	-58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-307 (bg)**	**-0.172**	**-83**	**-58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-100 (bg)	0.2918	52	58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-101 (bg)	0.1782	37	58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-103**	**2.223**	**90**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-104	5.041	6	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-105	9.63	34	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-107 (bg)	-0.08844	-24	-58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-108 (bg)	-0.2144	-50	-58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-109**	**1.369**	**70**	**58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-110	9.179	22	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-306 (bg)	0.2217	46	58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-307 (bg)	0.09845	30	58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-100 (bg)	-0.01982	-10	-58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-101 (bg)	-0.04551	-14	-58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-104	0.01883	18	63	No	17	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-107 (bg)	-0.02111	-3	-58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-108 (bg)	0.007081	5	53	No	15	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-306 (bg)	-0.03406	-23	-58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	**MW-307 (bg)**	**-0.1571**	**-71**	**-58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	MW-100 (bg)	0	0	58	No	16	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-101 (bg)	0	3	58	No	16	93.75	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-104	-0.02792	-42	-63	No	17	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-107 (bg)	0	0	58	No	16	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-108 (bg)	0	0	58	No	16	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-306 (bg)	0	0	58	No	16	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-307 (bg)	0	15	58	No	16	93.75	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-100 (bg)	0	4	53	No	15	93.33	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-101 (bg)	0	-13	-58	No	16	87.5	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-103	-1.186	-22	-63	No	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-104	40.13	17	63	No	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-105	5.06	30	63	No	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-107 (bg)	0	5	58	No	16	93.75	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-108 (bg)	0.3802	50	58	No	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-109	-1.371	-38	-63	No	17	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - 100 Series Wells - All Results

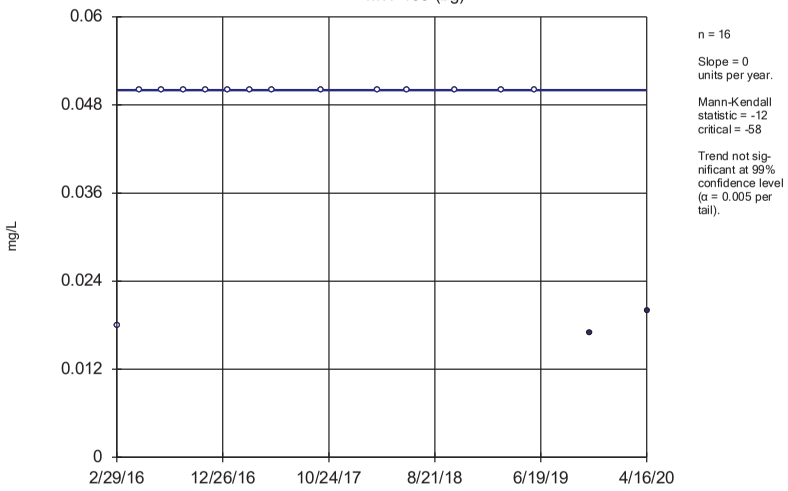
Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/22/2020, 2:27 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Sulfate (mg/L)	MW-110	20.2	50	63	No	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-306 (bg)	0	-1	-58	No	16	93.75	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-307 (bg)	0	7	58	No	16	87.5	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-100 (bg)	3.079	21	58	No	16	25	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-101 (bg)	1.107	12	58	No	16	18.75	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-104	17.18	5	63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-105	23.36	13	63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-107 (bg)	0	11	58	No	16	43.75	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-108 (bg)	0	7	58	No	16	31.25	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-110	40.2	34	63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-306 (bg)	3.118	36	58	No	16	31.25	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-307 (bg)	0	-1	-58	No	16	18.75	n/a	n/a	0.01	NP

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = -12
critical = -58

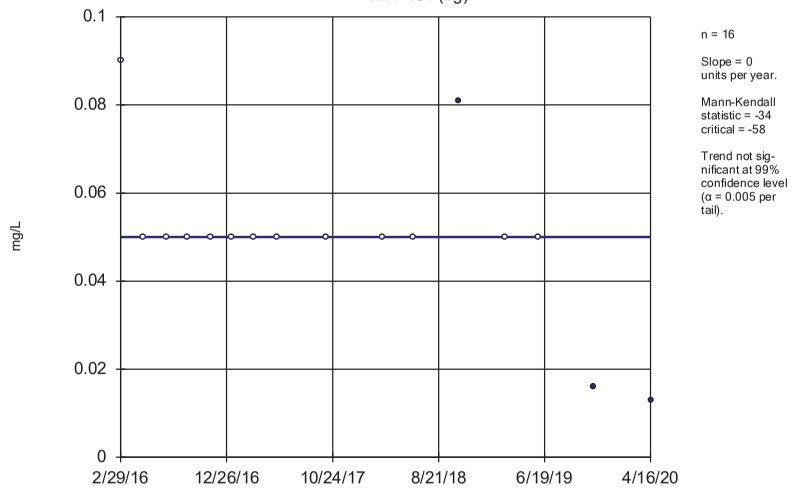
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = -34
critical = -58

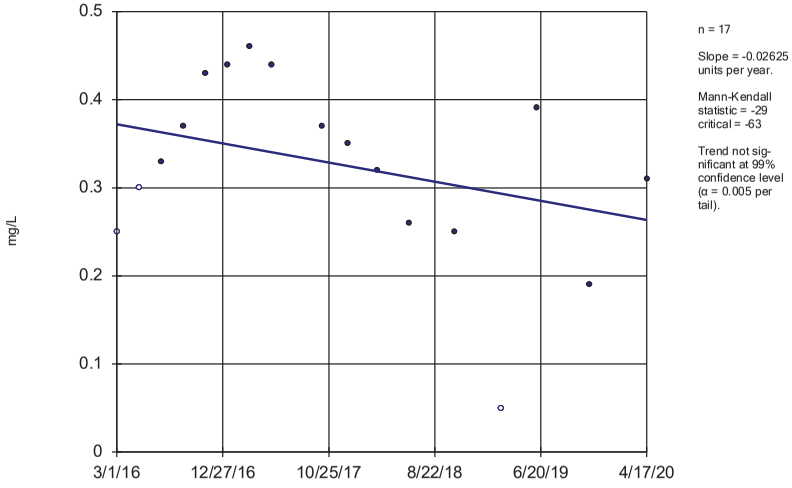
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-103



n = 17

Slope = -0.02625 units per year.

Mann-Kendall statistic = -29
critical = -63

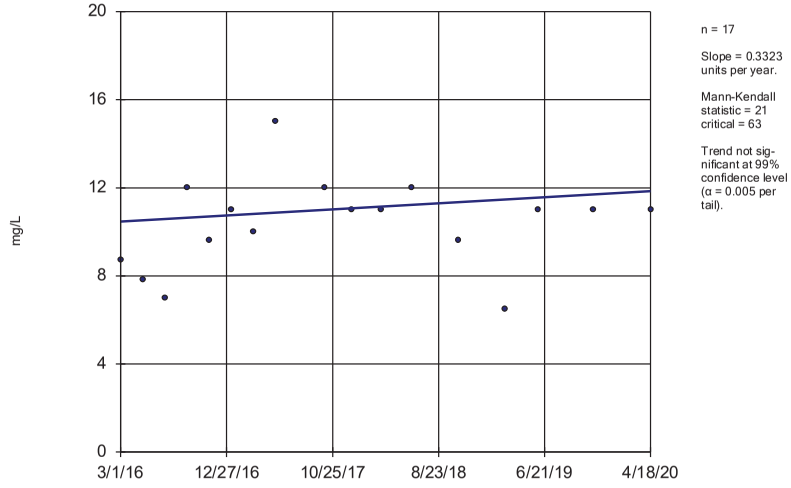
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-104



n = 17

Slope = 0.3323 units per year.

Mann-Kendall statistic = 21
critical = 63

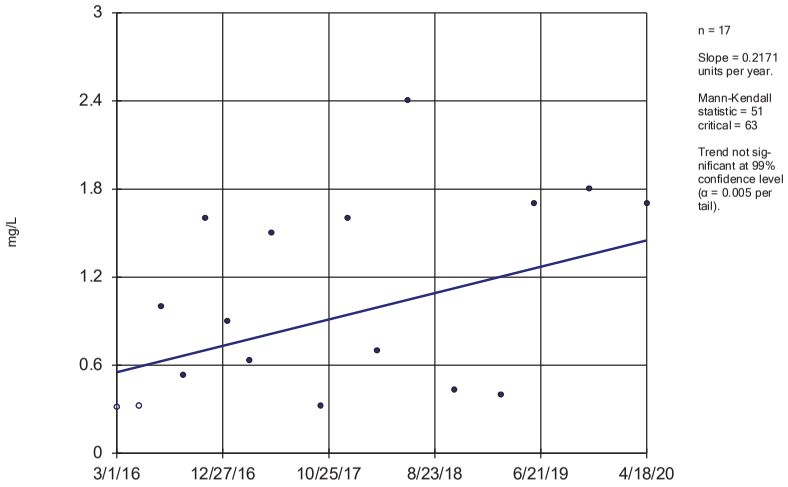
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-105



n = 17

Slope = 0.2171 units per year.

Mann-Kendall statistic = 51
critical = 63

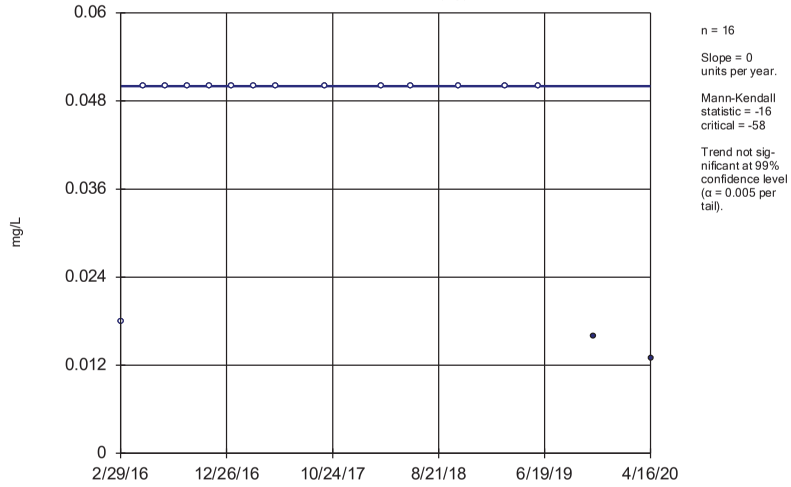
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = -16
critical = -58

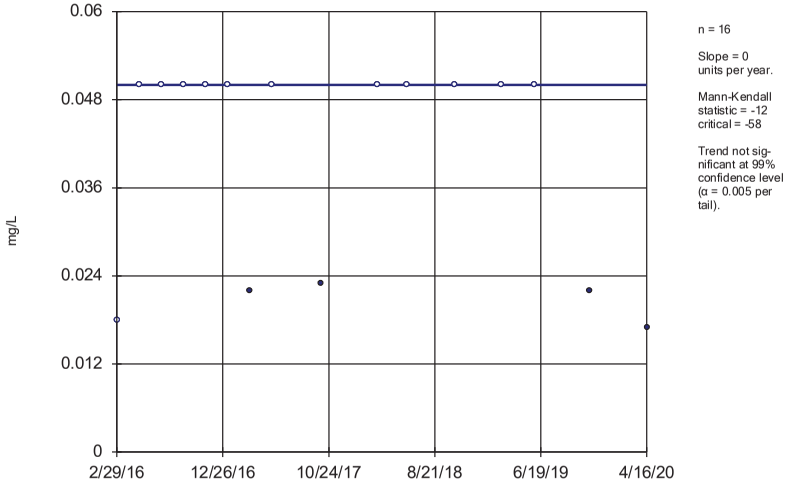
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = -12
critical = -58

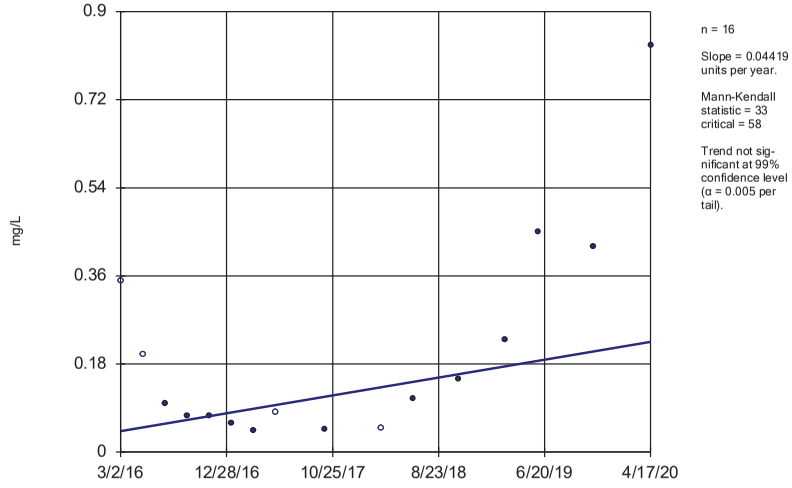
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-109



n = 16

Slope = 0.04419 units per year.

Mann-Kendall statistic = 33
critical = 58

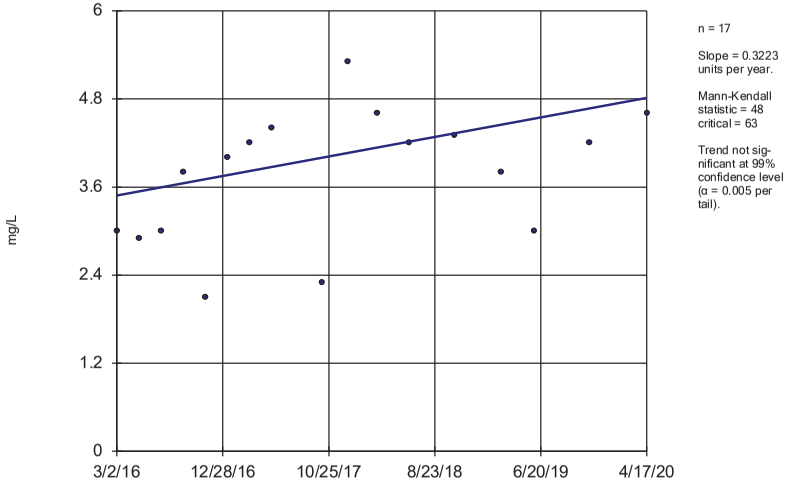
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-110



Constituent: Boron Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests

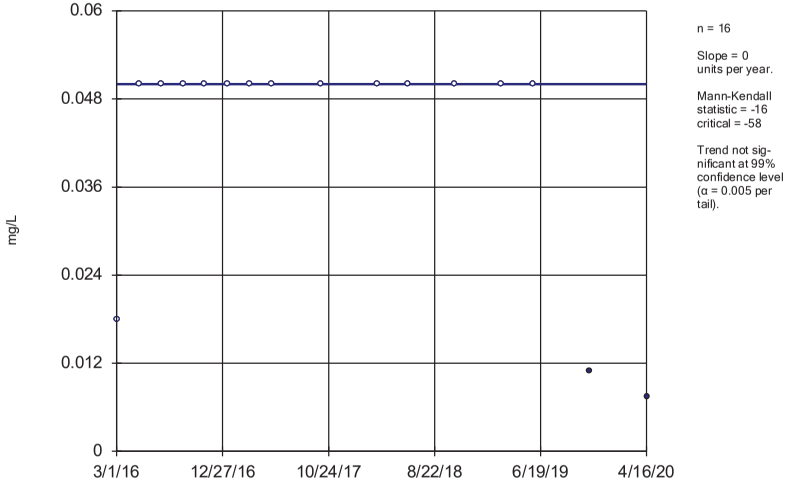
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



Constituent: Boron Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests

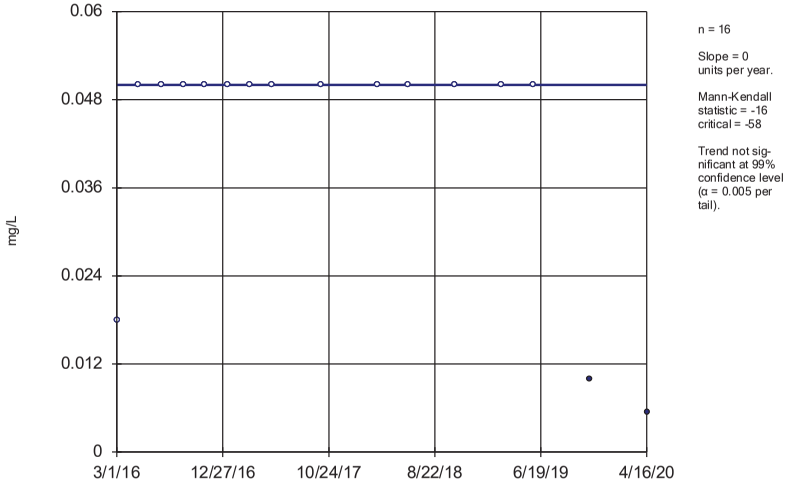
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



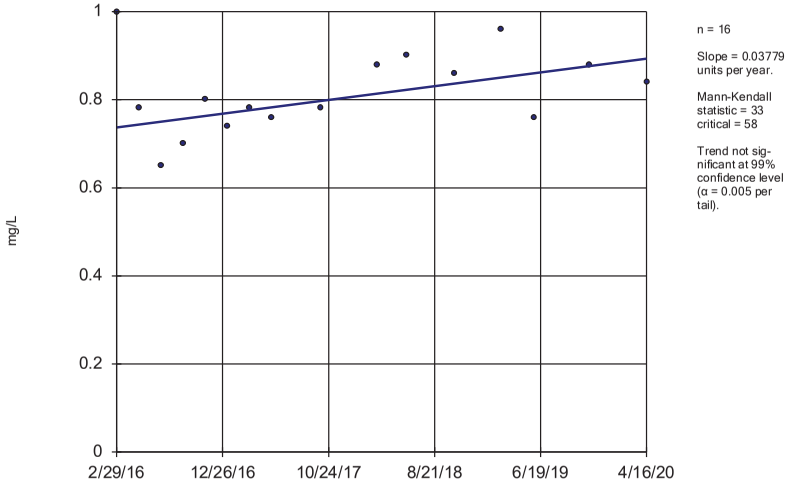
Constituent: Boron Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-100 (bg)

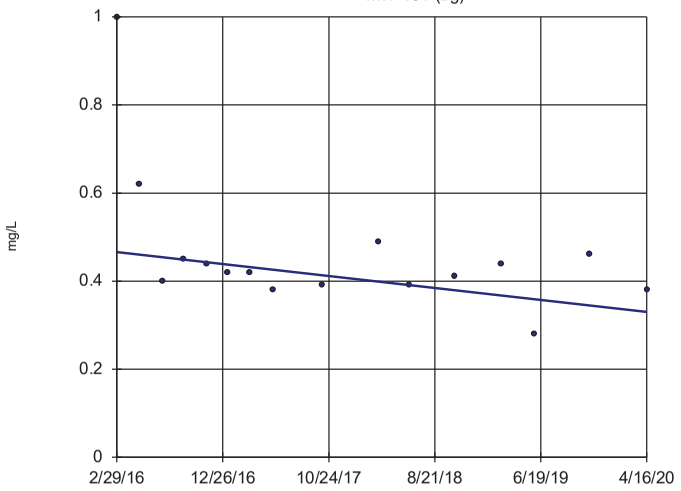


Constituent: Calcium Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-101 (bg)



n = 16

Slope = -0.03287 units per year.

Mann-Kendall statistic = -44
critical = -58

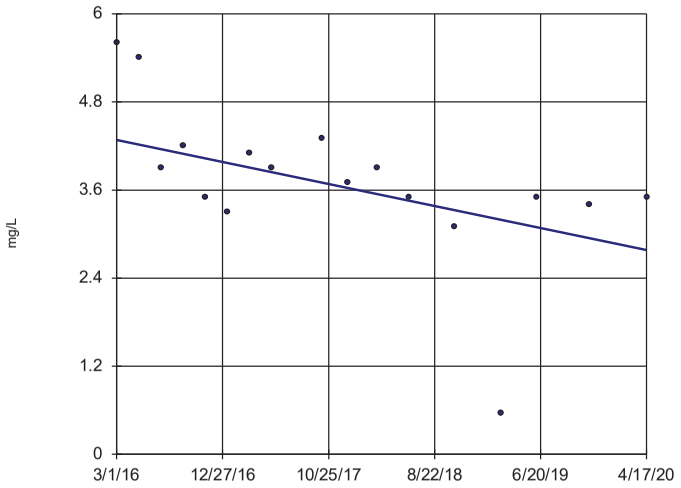
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-103



n = 17

Slope = -0.3629 units per year.

Mann-Kendall statistic = -71
critical = -63

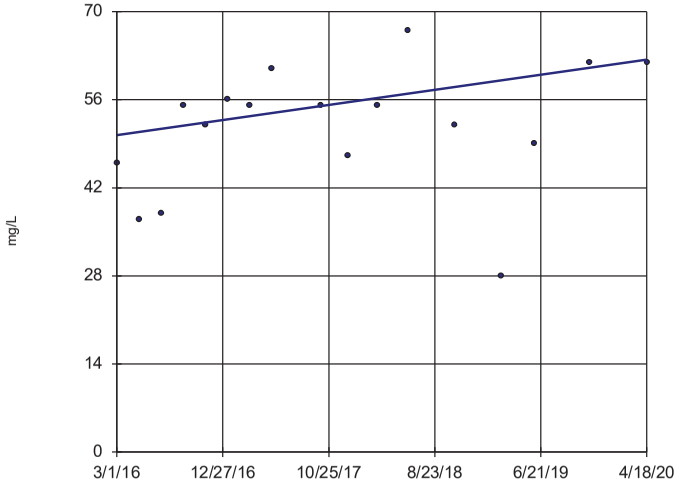
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-104



n = 17

Slope = 2.901 units per year.

Mann-Kendall statistic = 38
critical = 63

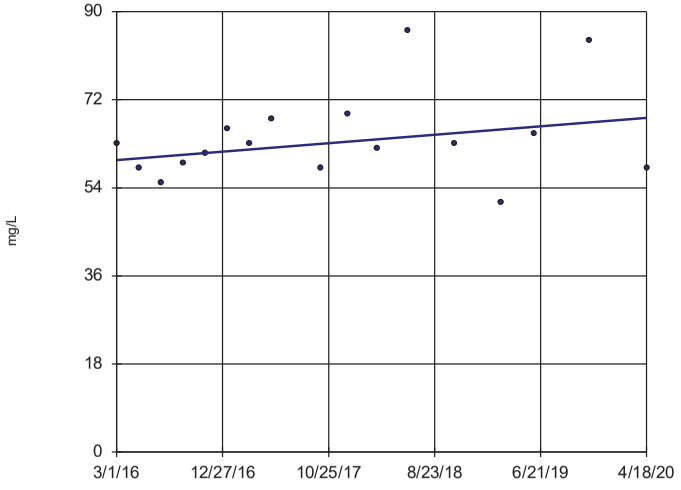
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-105



n = 17

Slope = 2.095 units per year.

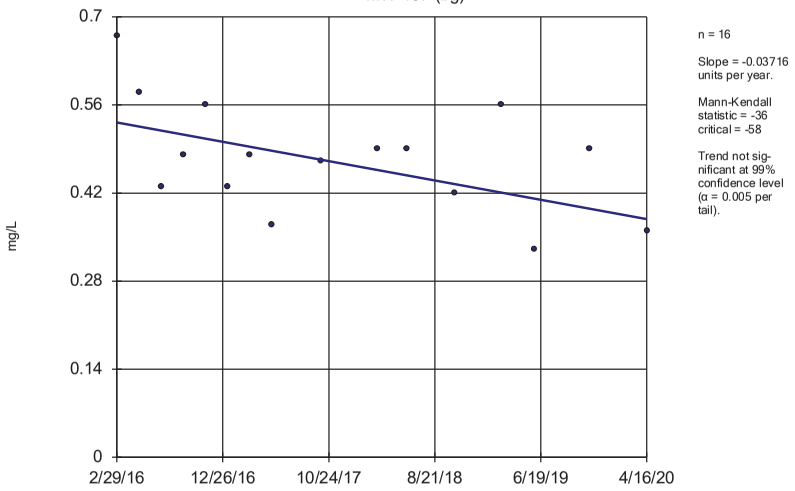
Mann-Kendall statistic = 28
critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-107 (bg)



n = 16

Slope = -0.03716 units per year.

Mann-Kendall statistic = -36
critical = -58

Trend not significant at 99% confidence level (α = 0.005 per tail).

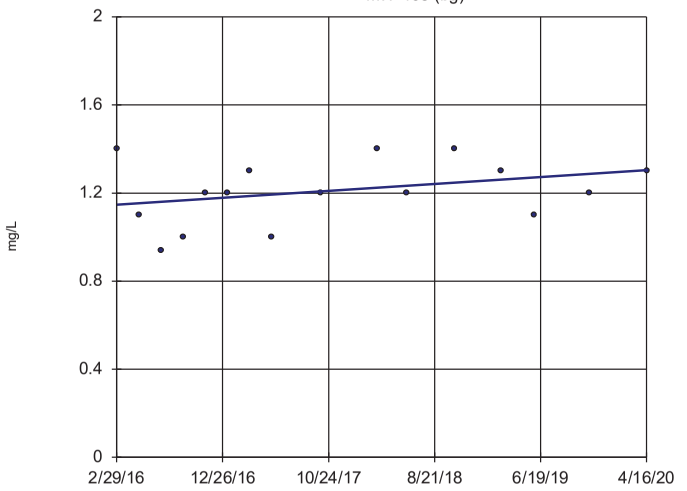
Constituent: Calcium Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-108 (bg)



n = 16

Slope = 0.03799 units per year.

Mann-Kendall statistic = 26
critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

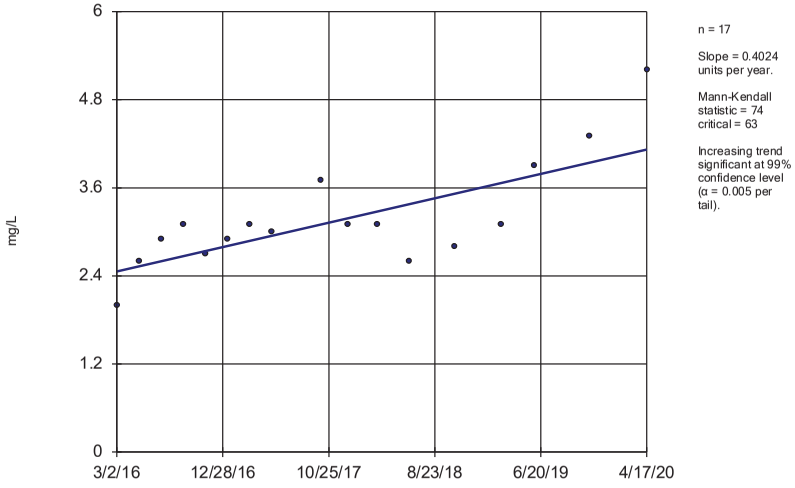
Constituent: Calcium Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-109



n = 17

Slope = 0.4024 units per year.

Mann-Kendall statistic = 74
critical = 63

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

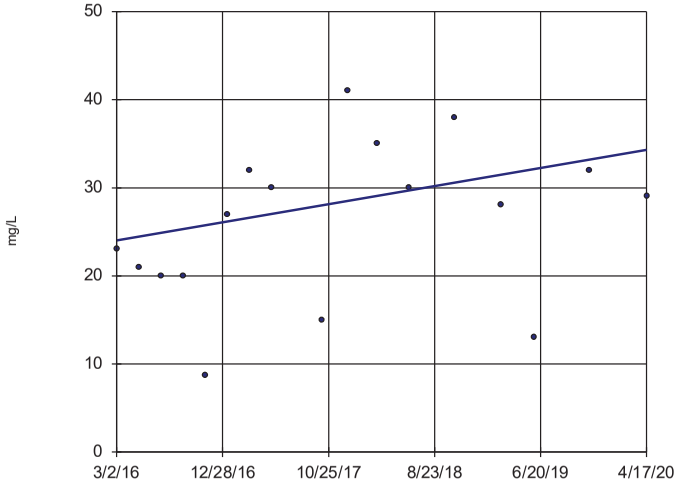
Constituent: Calcium Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-110



n = 17

Slope = 2.486 units per year.

Mann-Kendall statistic = 31
critical = 63

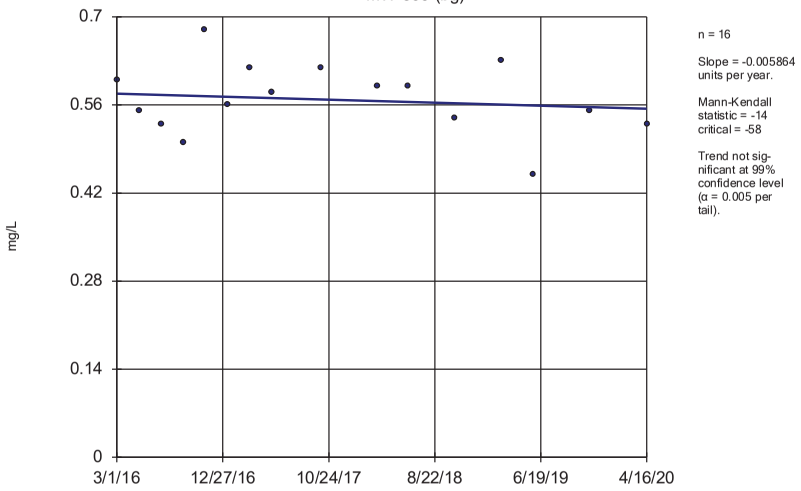
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-306 (bg)



n = 16

Slope = -0.005864 units per year.

Mann-Kendall statistic = -14
critical = -58

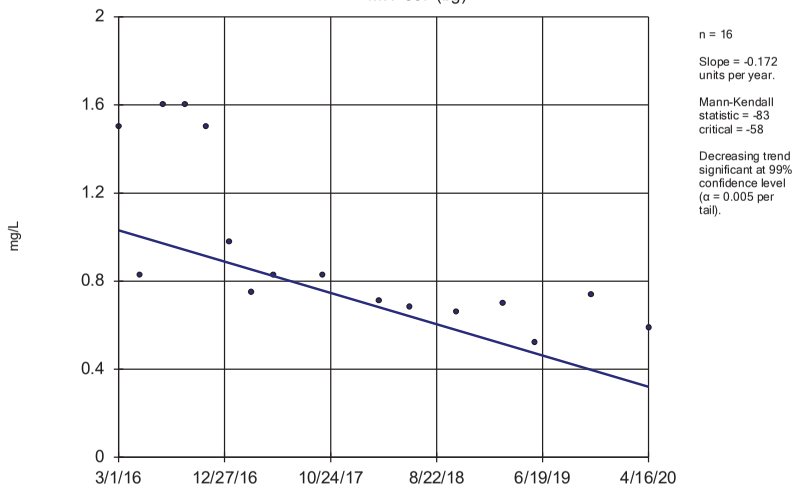
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-307 (bg)



n = 16

Slope = -0.172 units per year.

Mann-Kendall statistic = -83
critical = -58

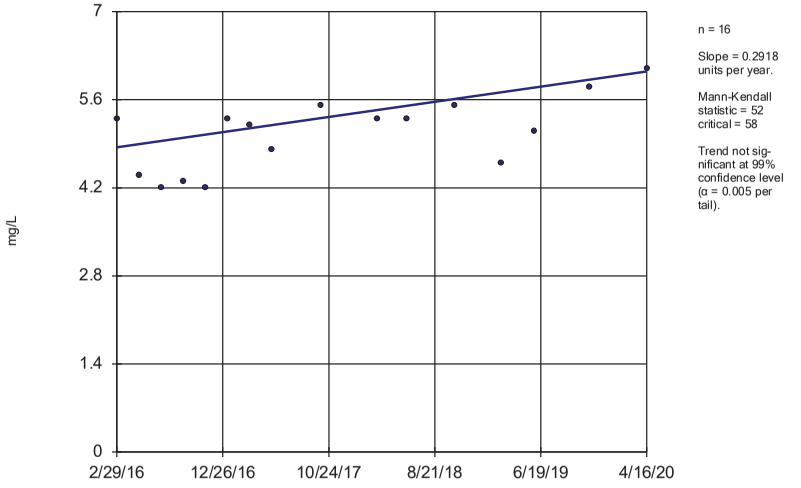
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-100 (bg)



n = 16

Slope = 0.2918 units per year.

Mann-Kendall statistic = 52
critical = 58

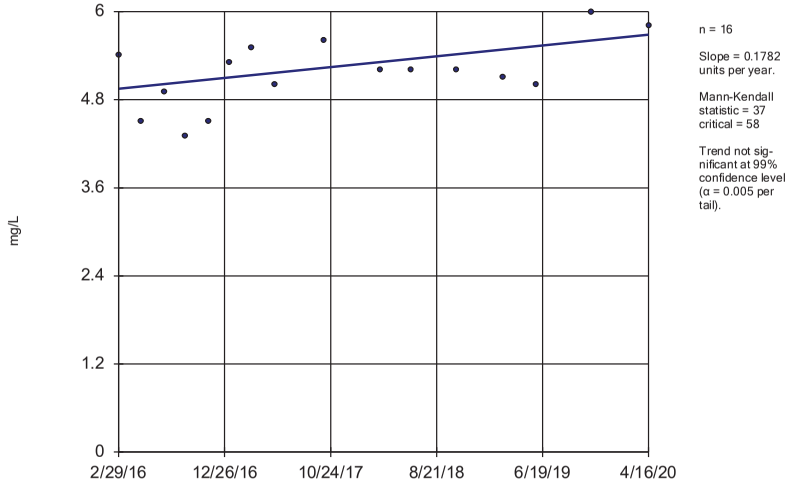
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-101 (bg)



n = 16

Slope = 0.1782 units per year.

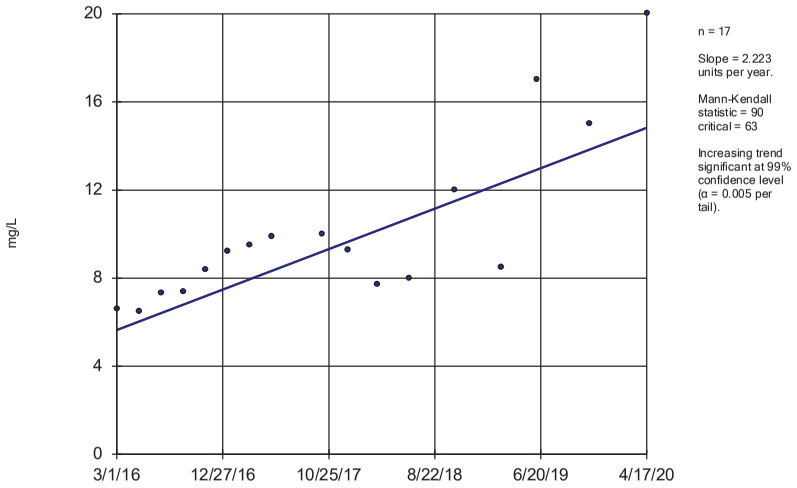
Mann-Kendall statistic = 37
critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-103



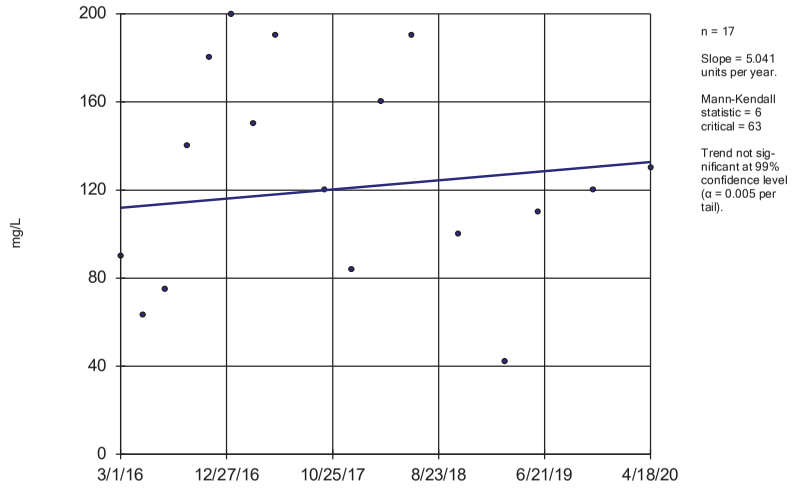
Constituent: Chloride Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-104



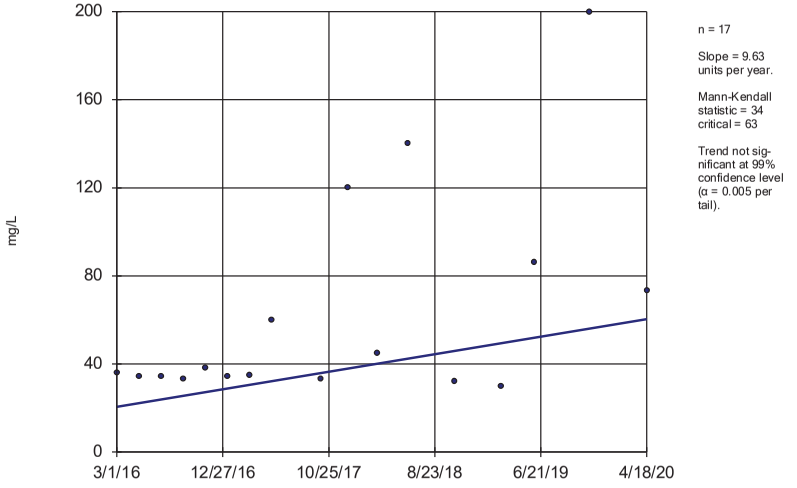
Constituent: Chloride Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-105



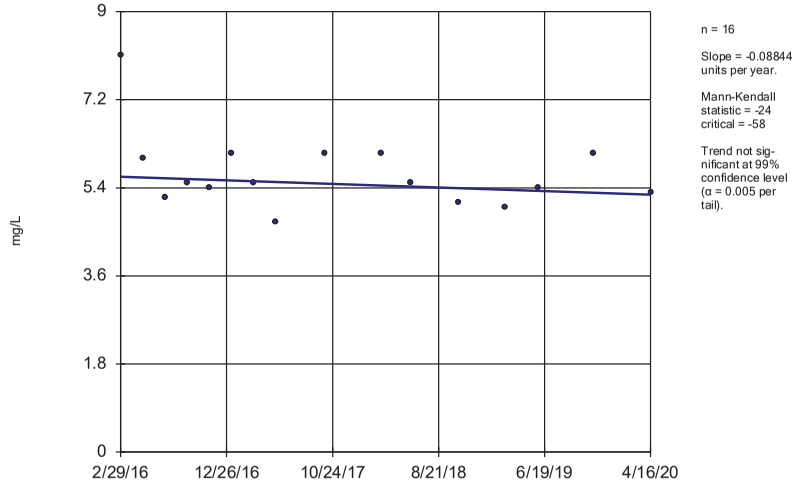
Constituent: Chloride Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-107 (bg)

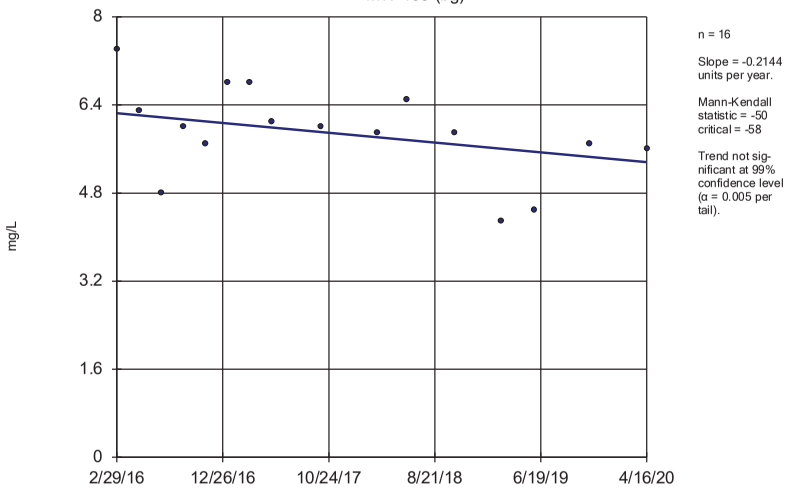


Constituent: Chloride Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-108 (bg)



n = 16

Slope = -0.2144 units per year.

Mann-Kendall statistic = -50
critical = -58

Trend not significant at 99% confidence level (α = 0.005 per tail).

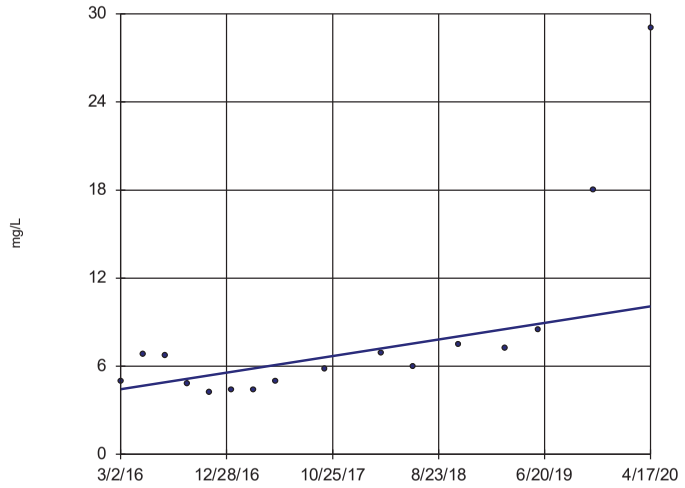
Constituent: Chloride Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-109



n = 16

Slope = 1.369 units per year.

Mann-Kendall statistic = 70
critical = 58

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

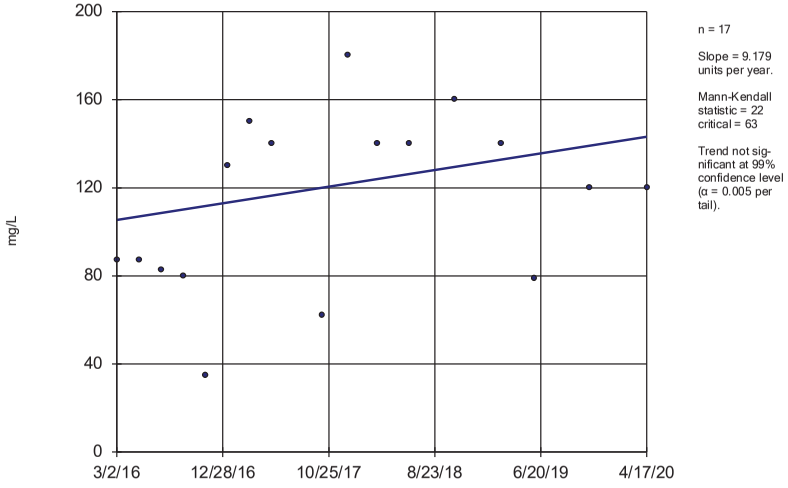
Constituent: Chloride Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-110



n = 17

Slope = 9.179 units per year.

Mann-Kendall statistic = 22
critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

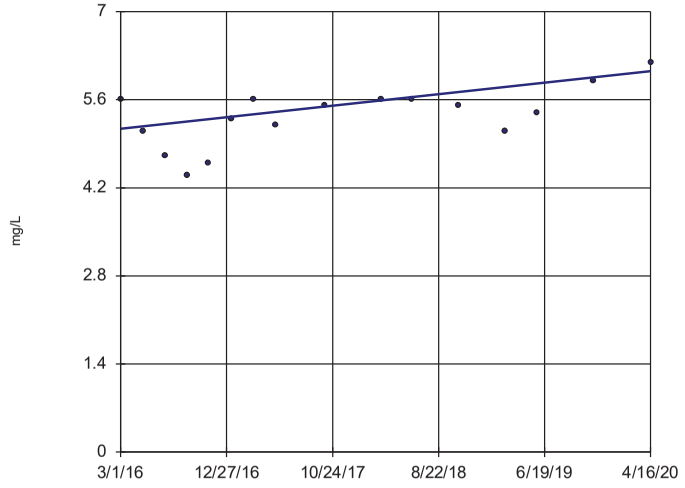
Constituent: Chloride Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-306 (bg)



n = 16

Slope = 0.2217 units per year.

Mann-Kendall statistic = 46
critical = 58

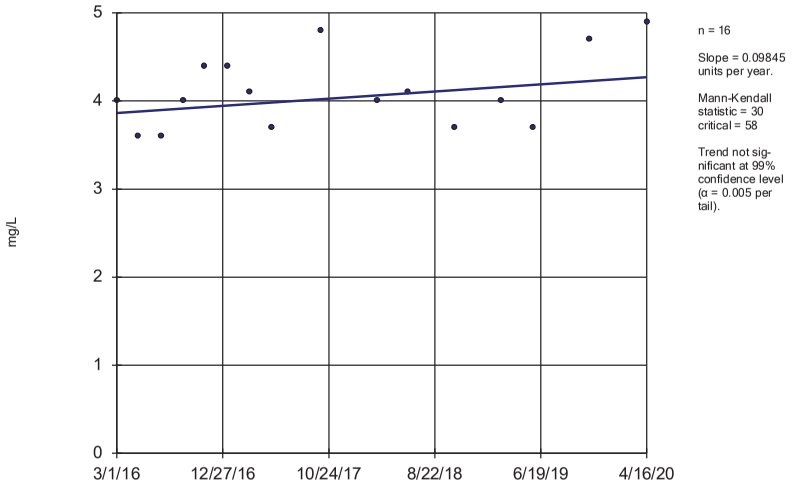
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-307 (bg)



n = 16

Slope = 0.09845 units per year.

Mann-Kendall statistic = 30
critical = 58

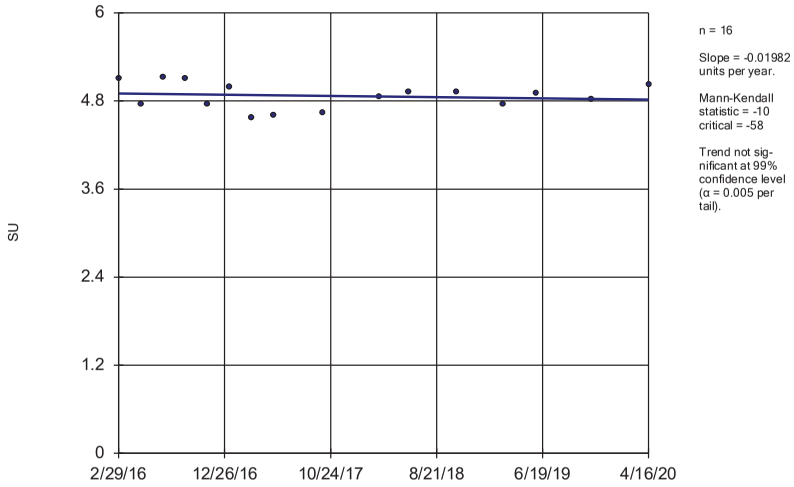
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-100 (bg)



n = 16

Slope = -0.01982 units per year.

Mann-Kendall statistic = -10
critical = -58

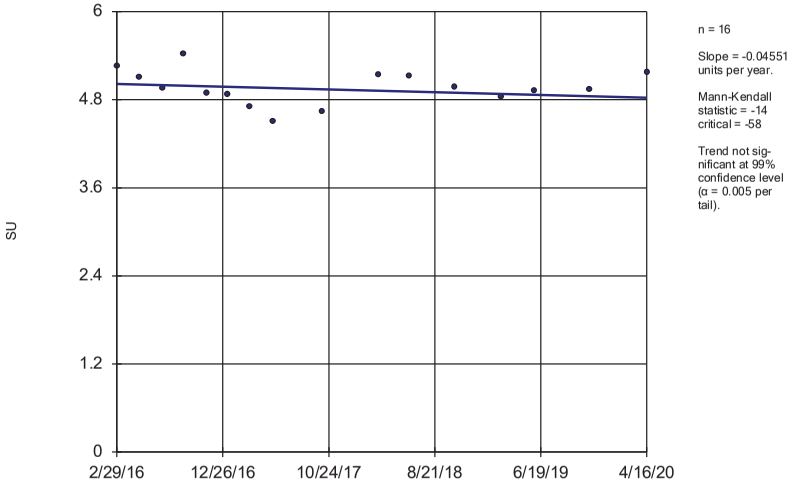
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-101 (bg)



n = 16

Slope = -0.04551 units per year.

Mann-Kendall statistic = -14
critical = -58

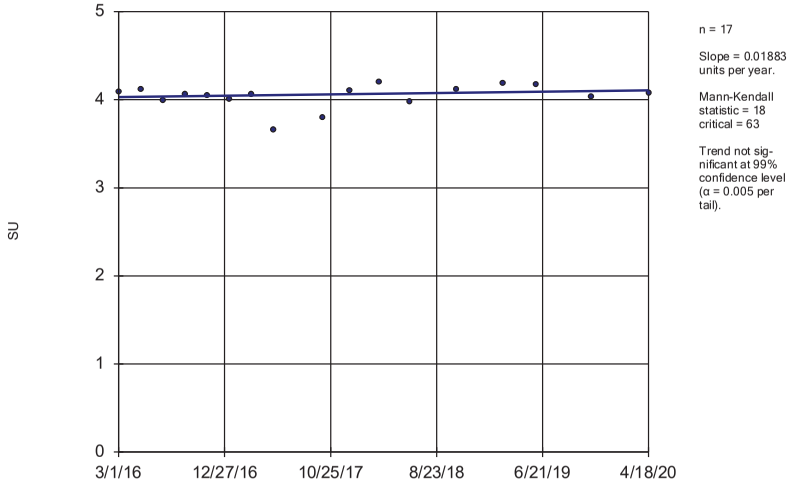
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-104



n = 17

Slope = 0.01883 units per year.

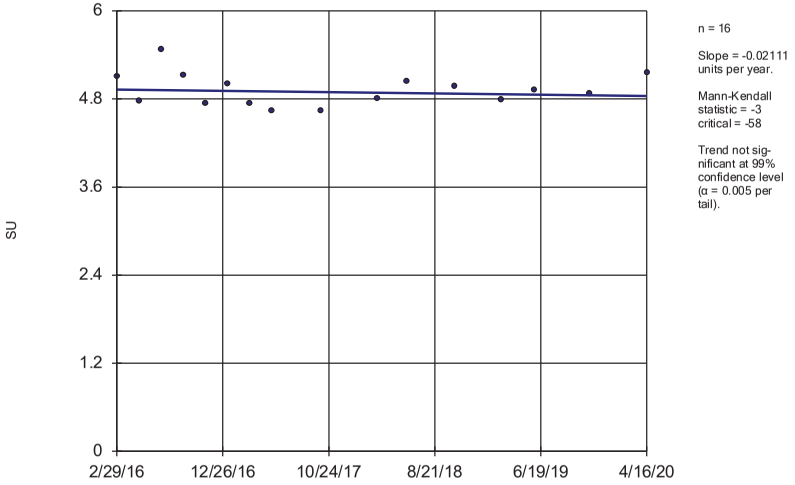
Mann-Kendall statistic = 18
critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-107 (bg)



n = 16

Slope = -0.02111 units per year.

Mann-Kendall statistic = -3
critical = -58

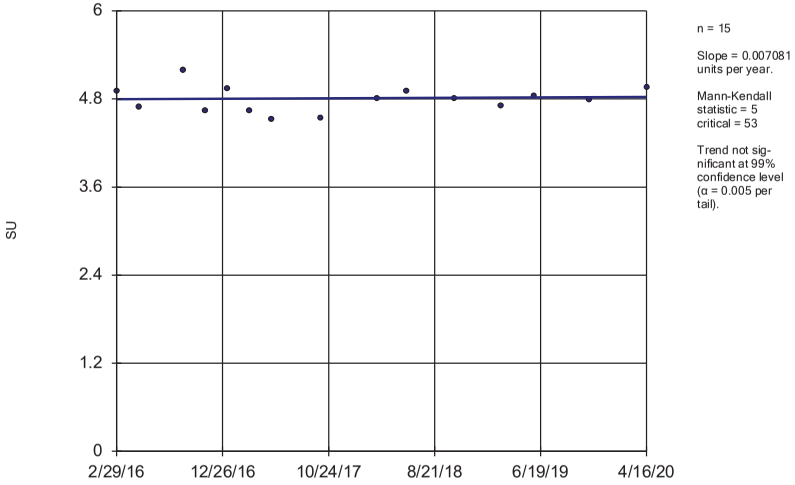
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-108 (bg)



n = 15

Slope = 0.007081 units per year.

Mann-Kendall statistic = 5
critical = 53

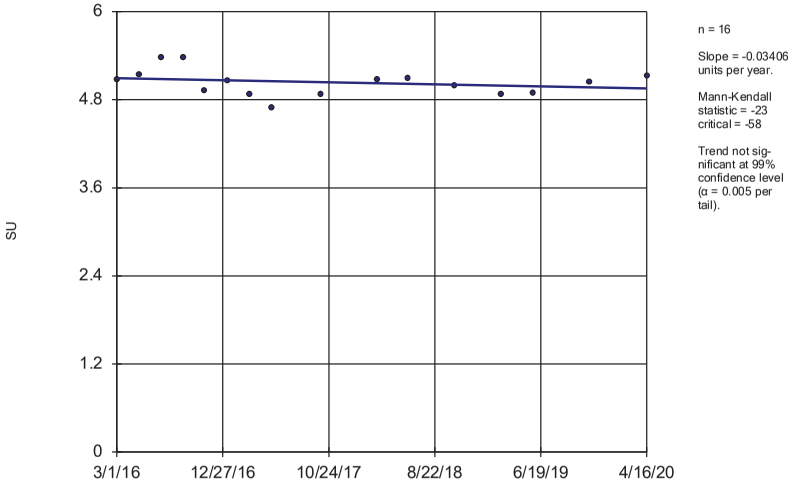
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-306 (bg)



n = 16

Slope = -0.03406 units per year.

Mann-Kendall statistic = -23
critical = -58

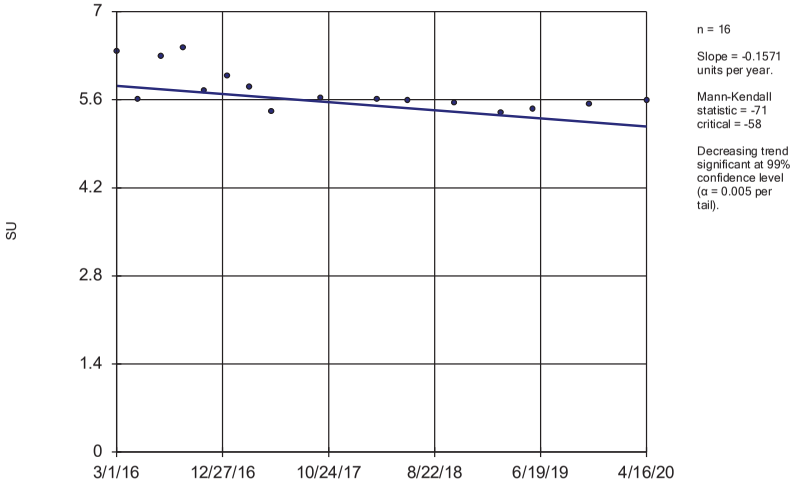
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-307 (bg)



n = 16

Slope = -0.1571 units per year.

Mann-Kendall statistic = -71
critical = -58

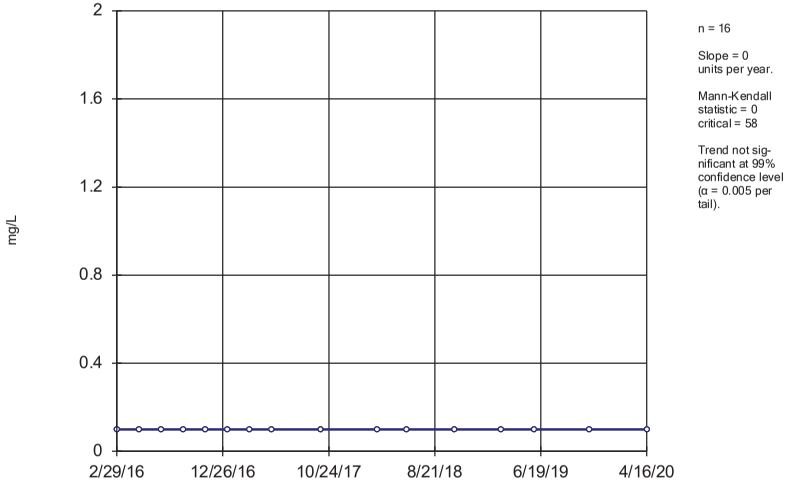
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 58

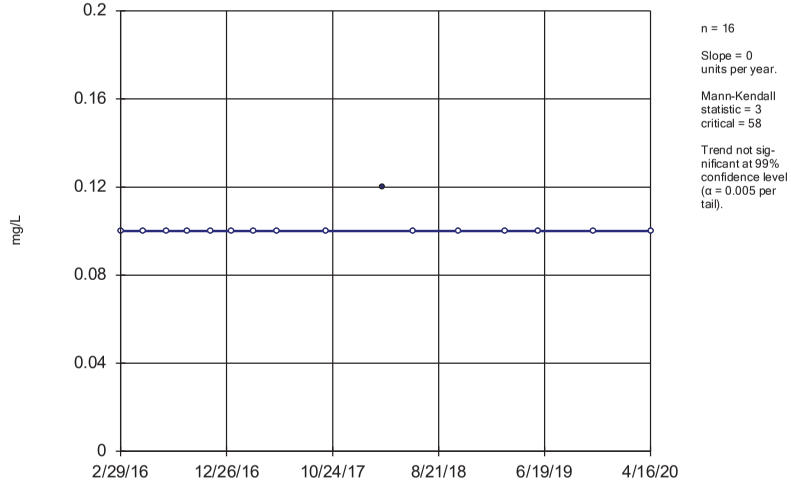
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 3
critical = 58

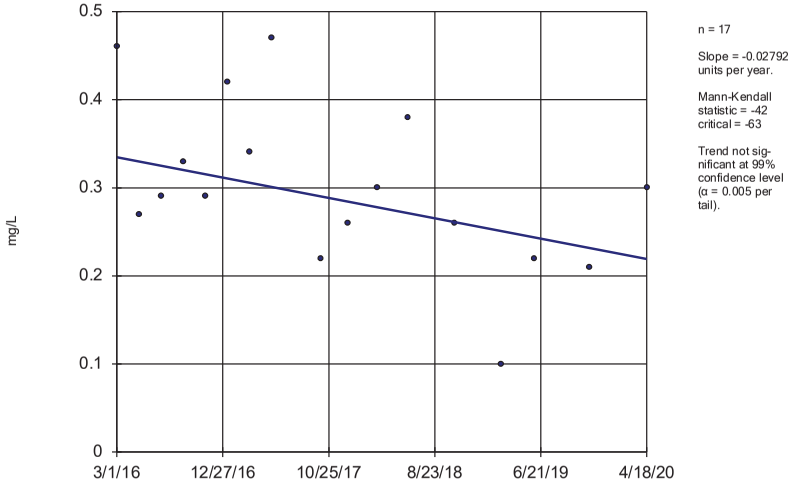
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-104



n = 17

Slope = -0.02792 units per year.

Mann-Kendall statistic = -42
critical = -63

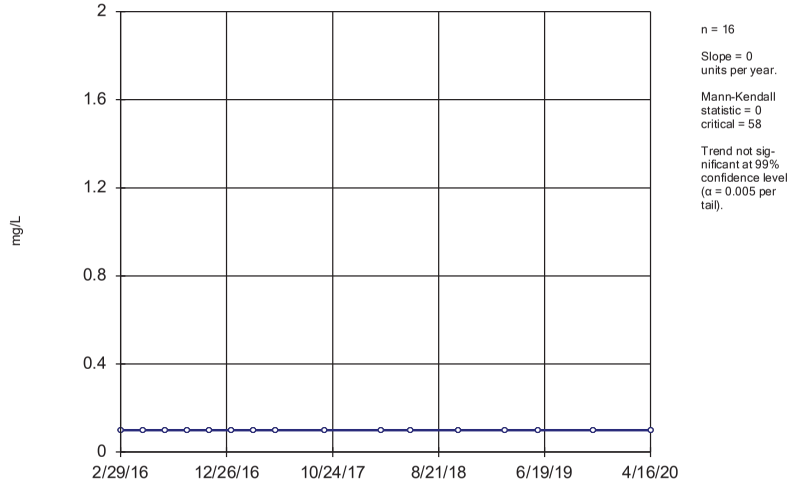
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 58

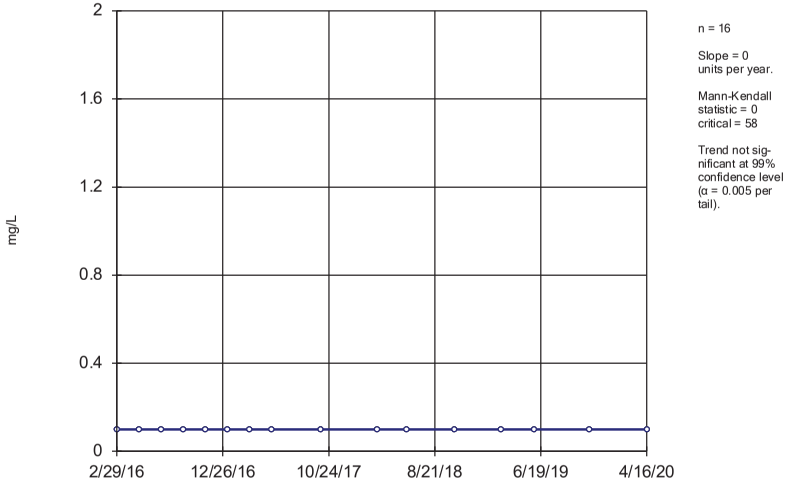
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 58

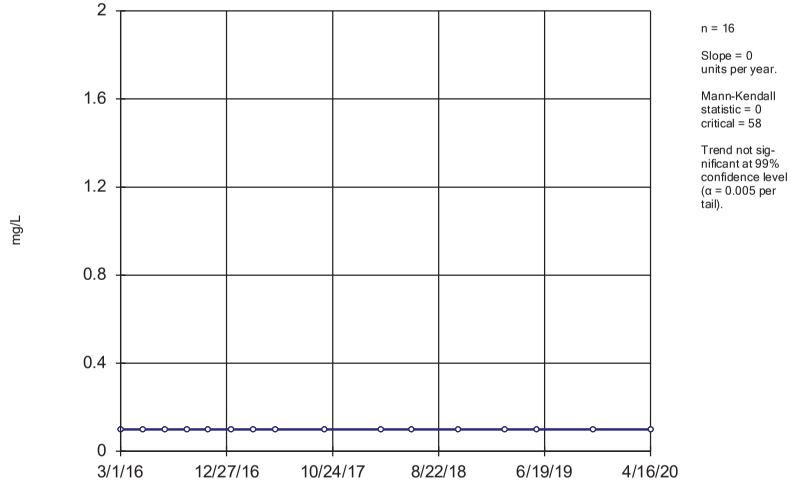
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 58

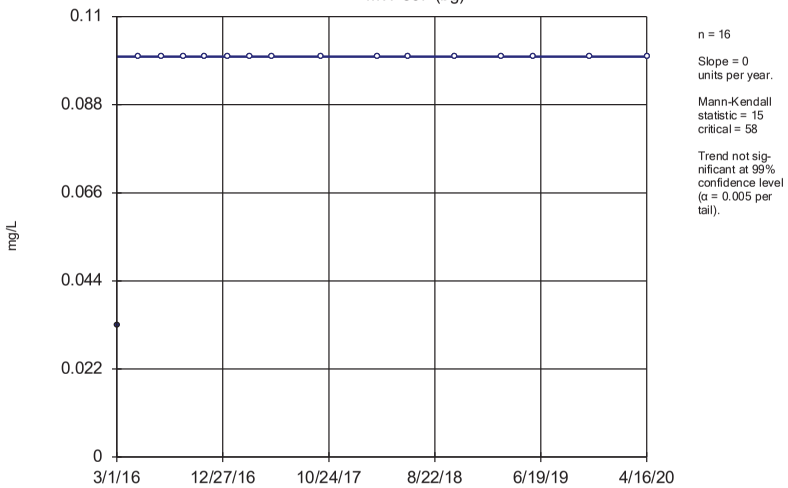
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 15
critical = 58

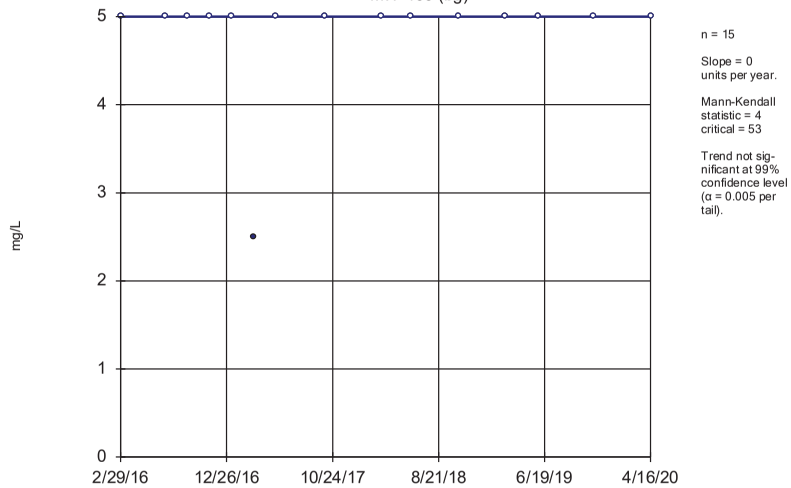
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 15

Slope = 0 units per year.

Mann-Kendall statistic = 4
critical = 53

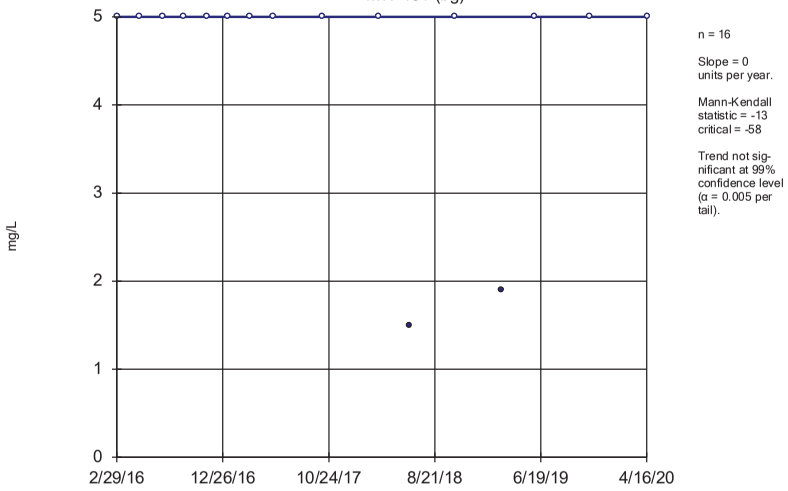
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = -13
critical = -58

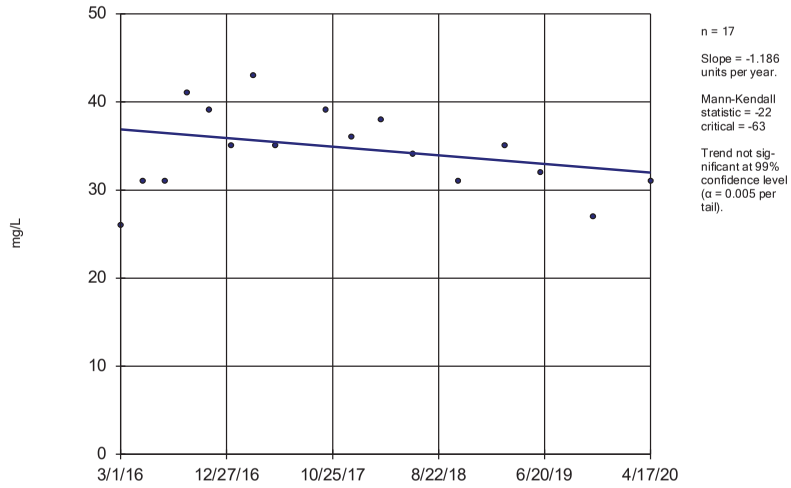
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-103



n = 17

Slope = -1.186 units per year.

Mann-Kendall statistic = -22
critical = -63

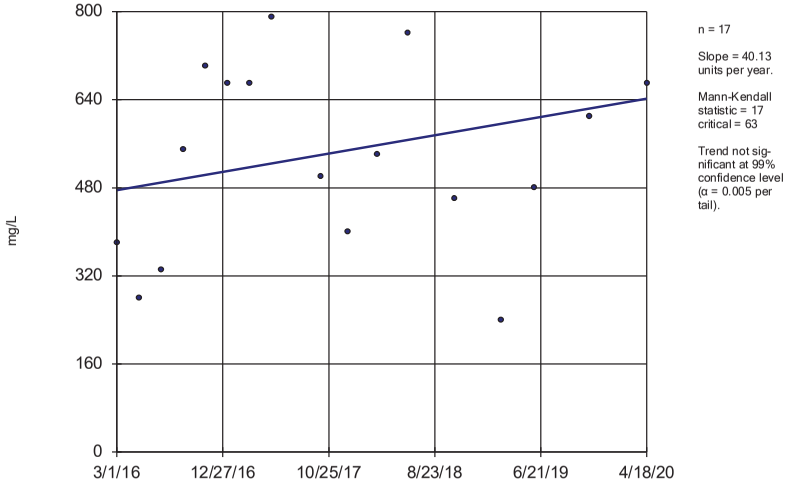
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-104



n = 17

Slope = 40.13 units per year.

Mann-Kendall statistic = 17
critical = 63

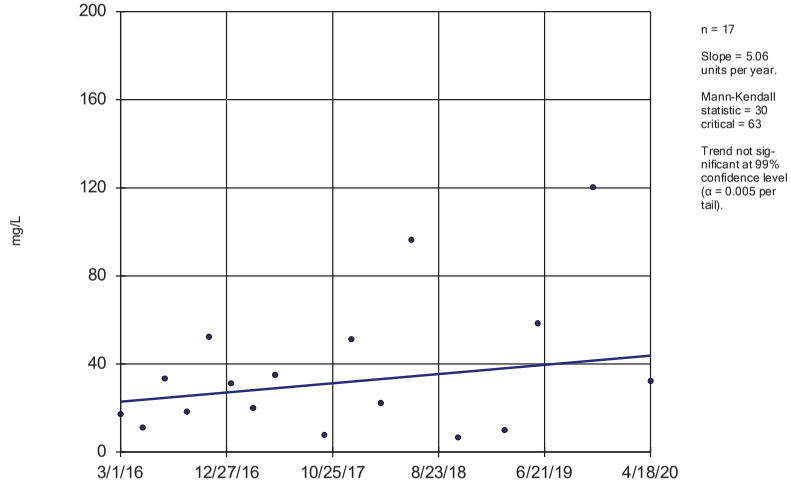
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-105



n = 17

Slope = 5.06 units per year.

Mann-Kendall statistic = 30
critical = 63

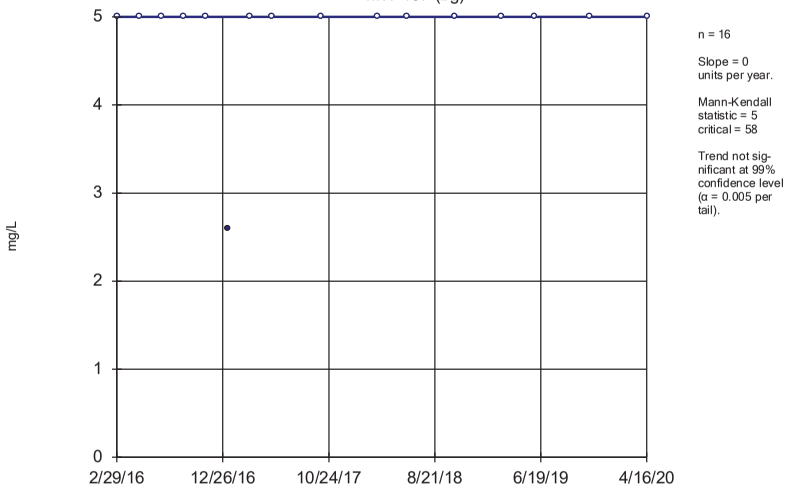
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)

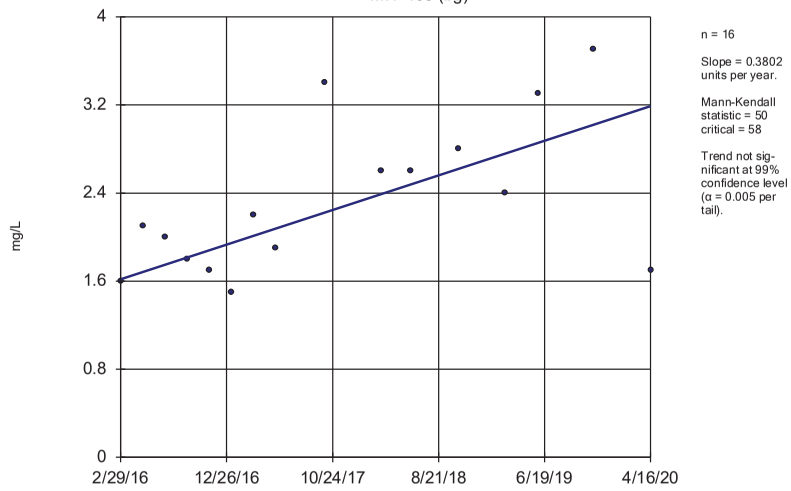


Constituent: Sulfate Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-108 (bg)

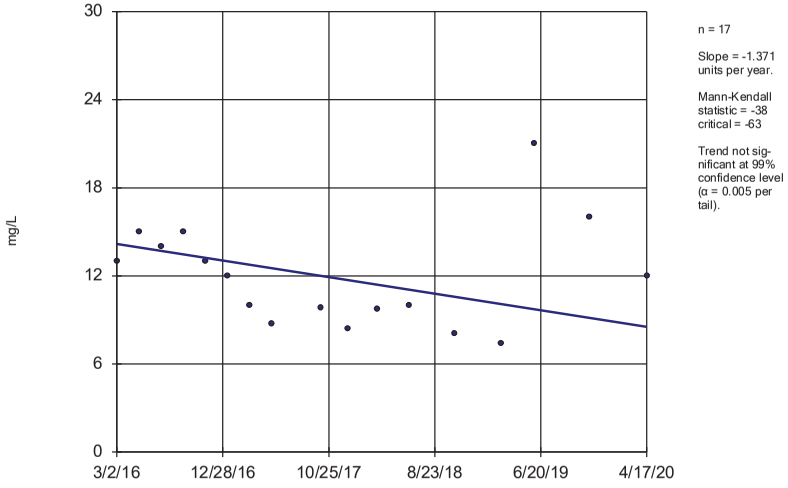


Constituent: Sulfate Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-109

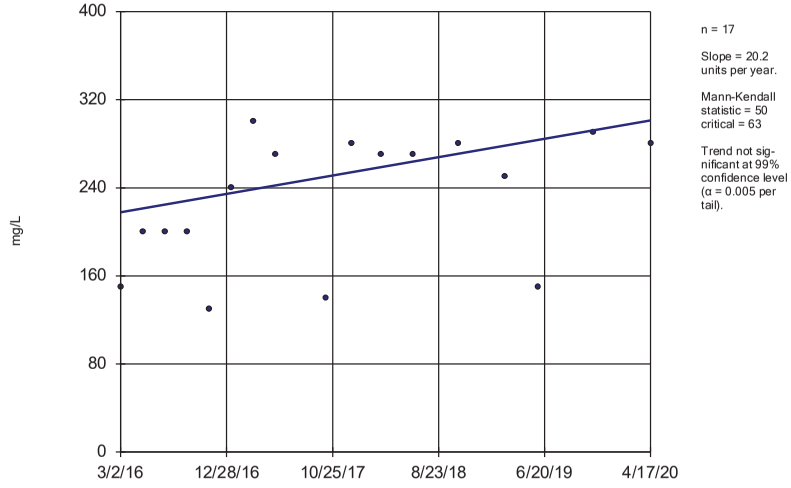


Constituent: Sulfate Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-110

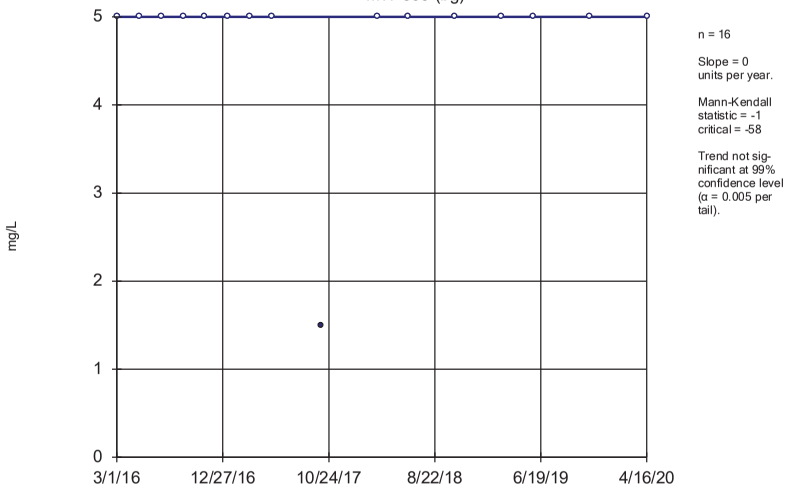


Constituent: Sulfate Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)

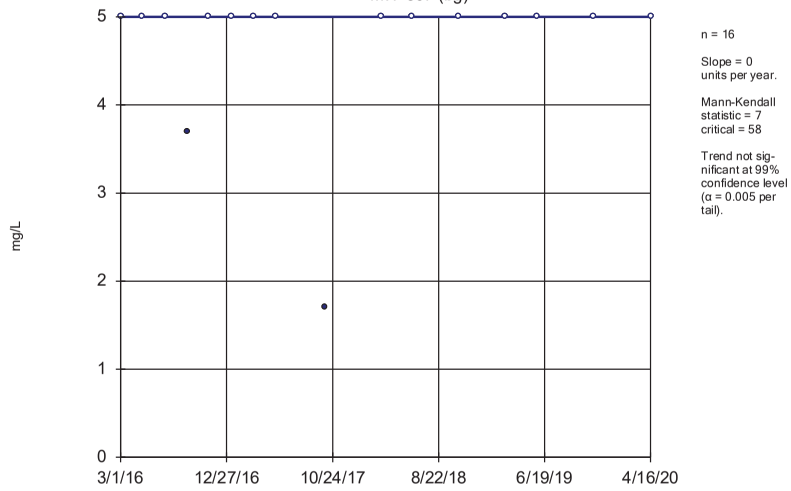


Constituent: Sulfate Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)

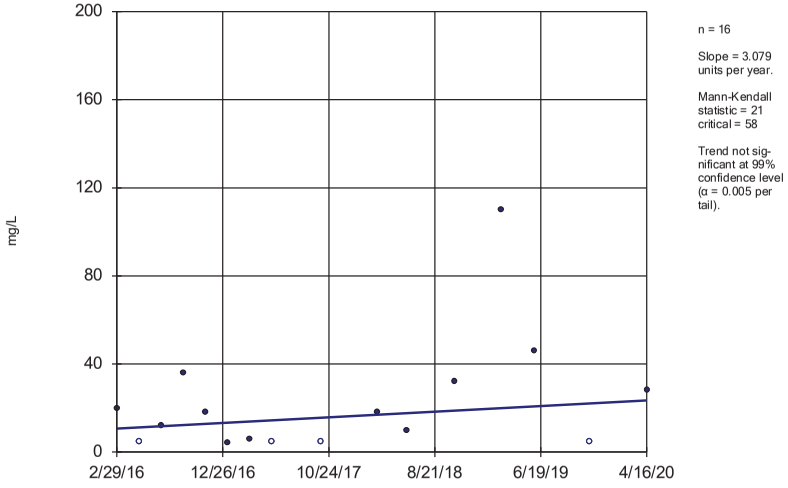


Constituent: Sulfate Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)

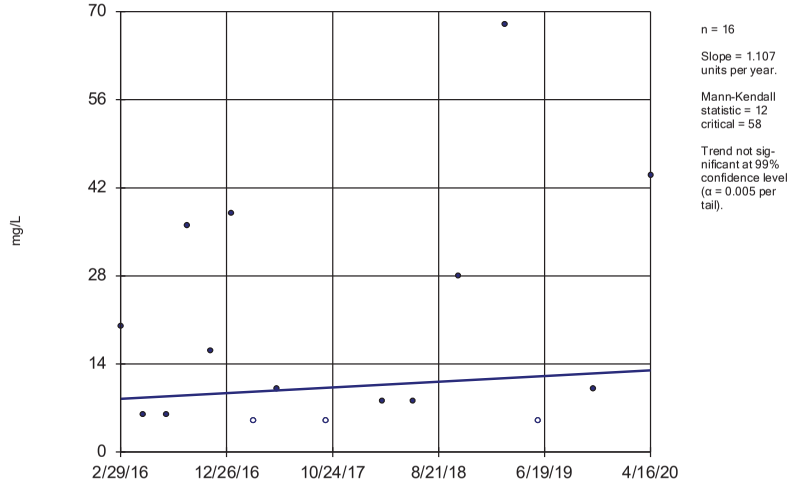


Constituent: Total Dissolved Solids Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

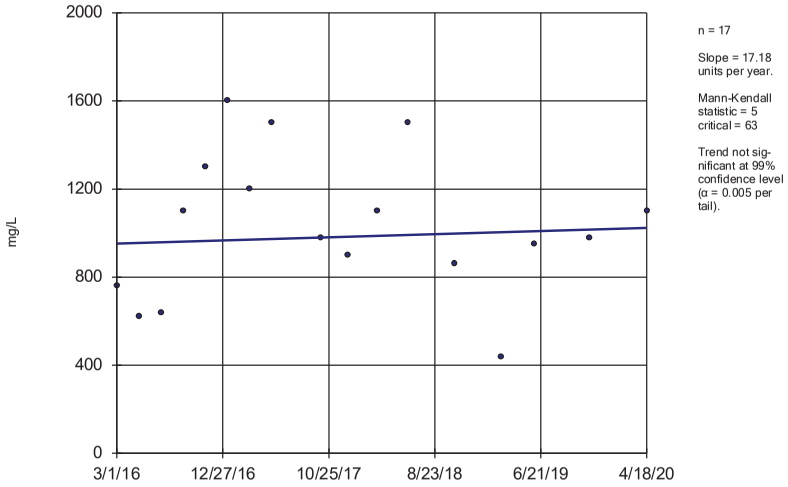
MW-101 (bg)



Constituent: Total Dissolved Solids Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-104



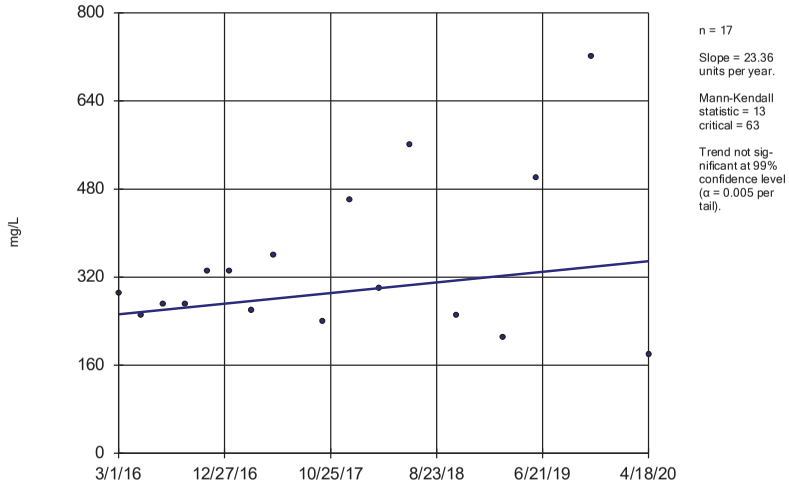
Constituent: Total Dissolved Solids Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-105



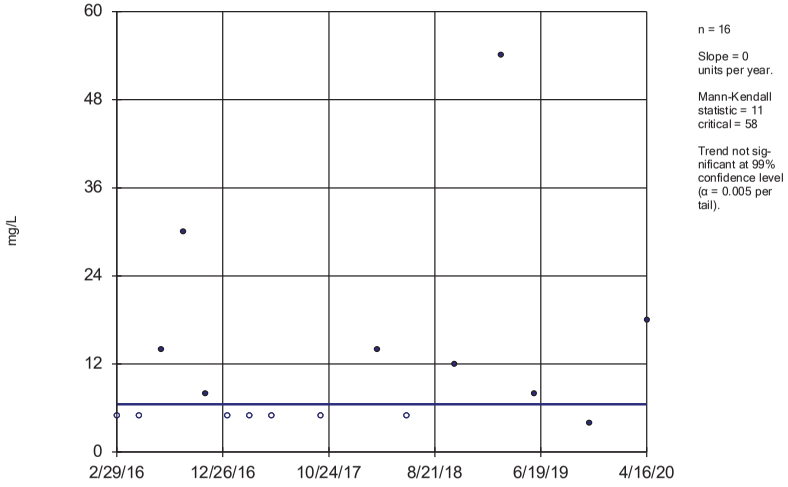
Constituent: Total Dissolved Solids Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



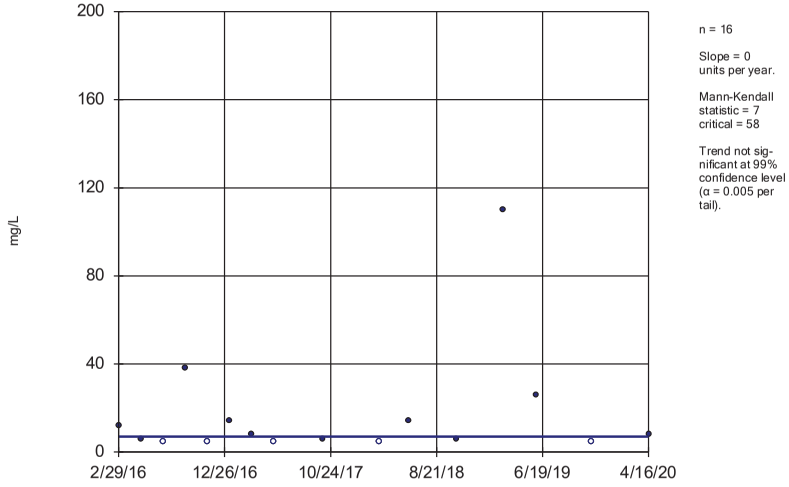
Constituent: Total Dissolved Solids Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



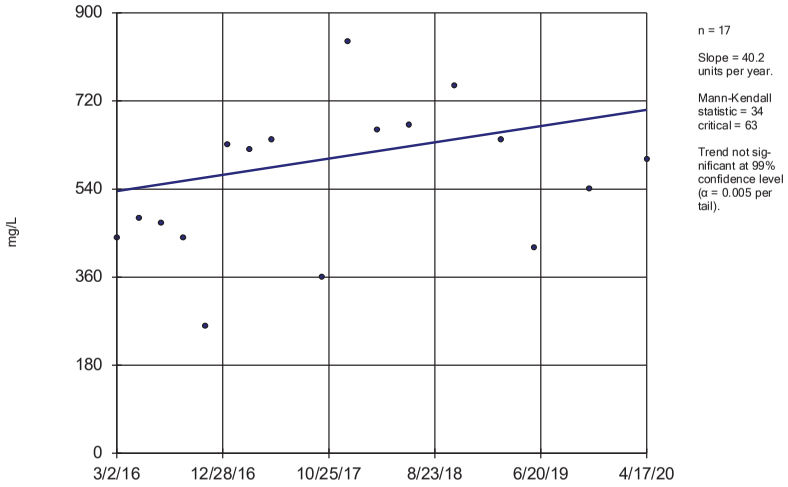
Constituent: Total Dissolved Solids Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-110



Constituent: Total Dissolved Solids Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests

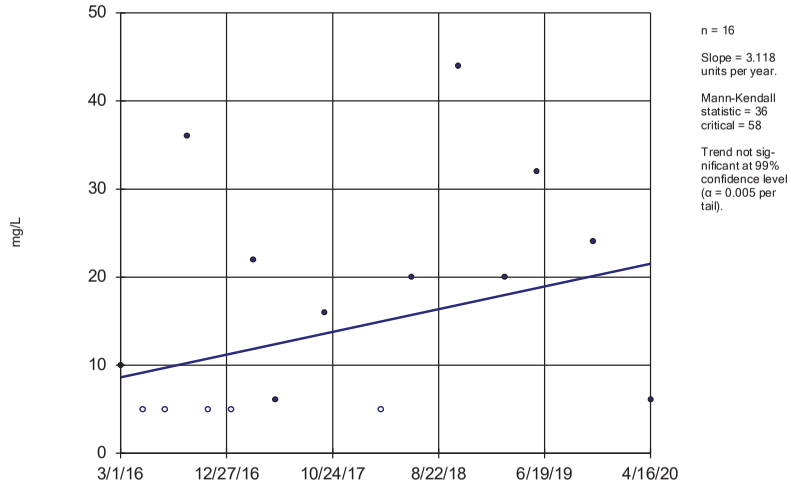
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



Constituent: Total Dissolved Solids Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests

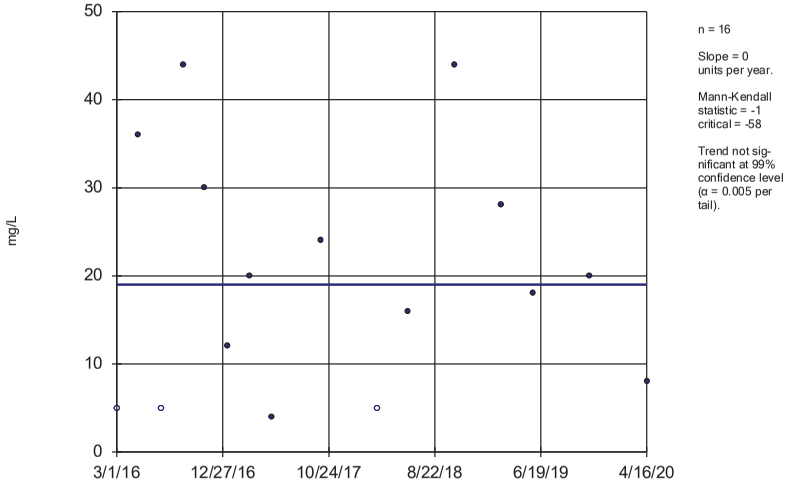
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



Constituent: Total Dissolved Solids Analysis Run 6/22/2020 2:25 PM View: 100 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

200 Series

Appendix III Trend Tests - 200 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/25/2020, 9:21 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**MW-200**	**-8.472**	**-103**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**MW-201**	**-9.217**	**-90**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**MW-206**	**-22.06**	**-118**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-200**	**-208.6**	**-112**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-201**	**-230.8**	**-111**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-206**	**-597.4**	**-128**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-307 (bg)**	**-0.172**	**-83**	**-58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-200**	**-342.9**	**-89**	**-63**	**Yes**	**17**	**5.882**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-201**	**-493.4**	**-88**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-206**	**-1331**	**-110**	**-58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	**MW-307 (bg)**	**-0.1571**	**-71**	**-58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-200**	**-83.88**	**-82**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-201**	**-107.2**	**-113**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-206**	**-143.7**	**-97**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-200**	**-1353**	**-111**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-201**	**-1471**	**-97**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-206**	**-3178**	**-102**	**-58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - 200 Series Wells - All Results

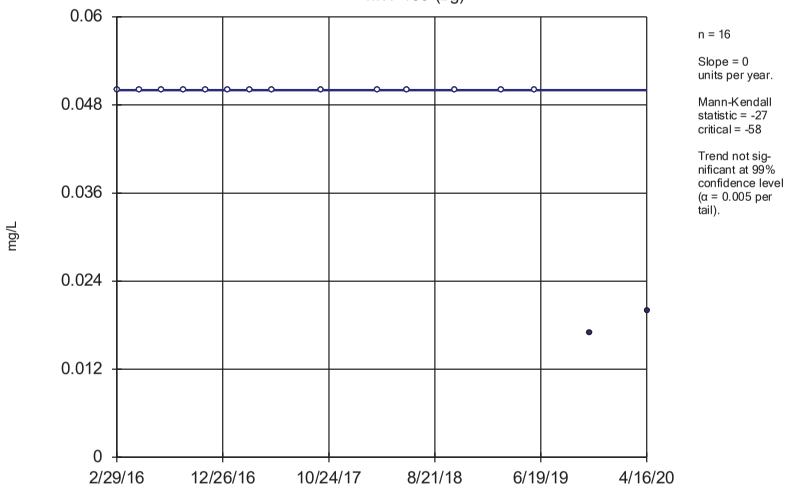
Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/25/2020, 9:21 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	MW-100 (bg)	0	-27	-58	No	16	87.5	n/a	n/a	0.01	NP
Boron (mg/L)	MW-101 (bg)	0	-20	-58	No	16	81.25	n/a	n/a	0.01	NP
Boron (mg/L)	MW-107 (bg)	0	-29	-58	No	16	87.5	n/a	n/a	0.01	NP
Boron (mg/L)	MW-108 (bg)	0	-29	-58	No	16	75	n/a	n/a	0.01	NP
Boron (mg/L)	**MW-200**	**-8.472**	**-103**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**MW-201**	**-9.217**	**-90**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**MW-206**	**-22.06**	**-118**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	MW-306 (bg)	0	-29	-58	No	16	87.5	n/a	n/a	0.01	NP
Boron (mg/L)	MW-307 (bg)	0	-29	-58	No	16	87.5	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-100 (bg)	0.03779	33	58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-101 (bg)	-0.03287	-44	-58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-107 (bg)	-0.03716	-36	-58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-108 (bg)	0.03799	26	58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-200**	**-208.6**	**-112**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-201**	**-230.8**	**-111**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-206**	**-597.4**	**-128**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-306 (bg)	-0.005864	-14	-58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-307 (bg)**	**-0.172**	**-83**	**-58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-100 (bg)	0.2918	52	58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-101 (bg)	0.1782	37	58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-107 (bg)	-0.08844	-24	-58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-108 (bg)	-0.2144	-50	-58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-200**	**-342.9**	**-89**	**-63**	**Yes**	**17**	**5.882**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-201**	**-493.4**	**-88**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-206**	**-1331**	**-110**	**-58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-306 (bg)	0.2217	46	58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-307 (bg)	0.09845	30	58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-100 (bg)	-0.01982	-10	-58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-101 (bg)	-0.04551	-14	-58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-107 (bg)	-0.02111	-3	-58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-108 (bg)	0.007081	5	53	No	15	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-206	0.1014	52	63	No	17	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-306 (bg)	-0.03406	-23	-58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	**MW-307 (bg)**	**-0.1571**	**-71**	**-58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	MW-100 (bg)	0	0	58	No	16	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-101 (bg)	0	3	58	No	16	93.75	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-107 (bg)	0	0	58	No	16	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-108 (bg)	0	0	58	No	16	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-201	-0.002519	-1	-63	No	17	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-306 (bg)	0	0	58	No	16	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-307 (bg)	0	15	58	No	16	93.75	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-100 (bg)	0	4	53	No	15	93.33	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-101 (bg)	0	-13	-58	No	16	87.5	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-107 (bg)	0	5	58	No	16	93.75	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-108 (bg)	0.3802	50	58	No	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-200**	**-83.88**	**-82**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-201**	**-107.2**	**-113**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-206**	**-143.7**	**-97**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	MW-306 (bg)	0	-1	-58	No	16	93.75	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-307 (bg)	0	7	58	No	16	87.5	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-100 (bg)	3.079	21	58	No	16	25	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-101 (bg)	1.107	12	58	No	16	18.75	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-107 (bg)	0	11	58	No	16	43.75	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-108 (bg)	0	7	58	No	16	31.25	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	**MW-200**	**-1353**	**-111**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-201**	**-1471**	**-97**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-206**	**-3178**	**-102**	**-58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	MW-306 (bg)	3.118	36	58	No	16	31.25	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-307 (bg)	0	-1	-58	No	16	18.75	n/a	n/a	0.01	NP

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)

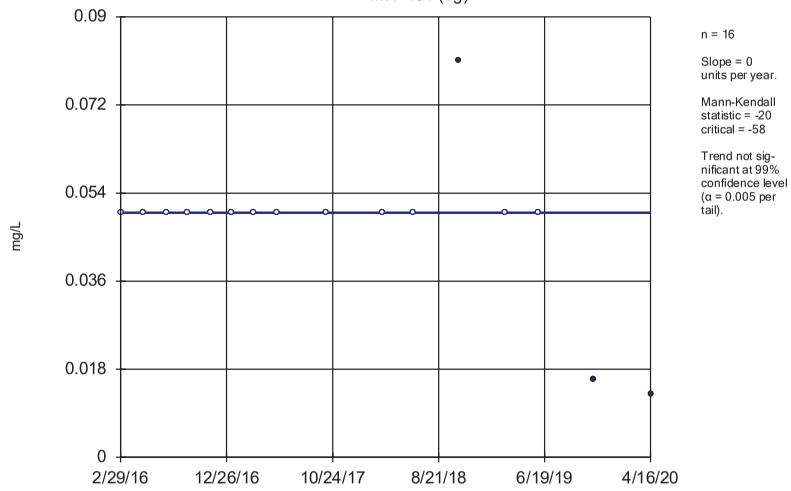


Constituent: Boron Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)

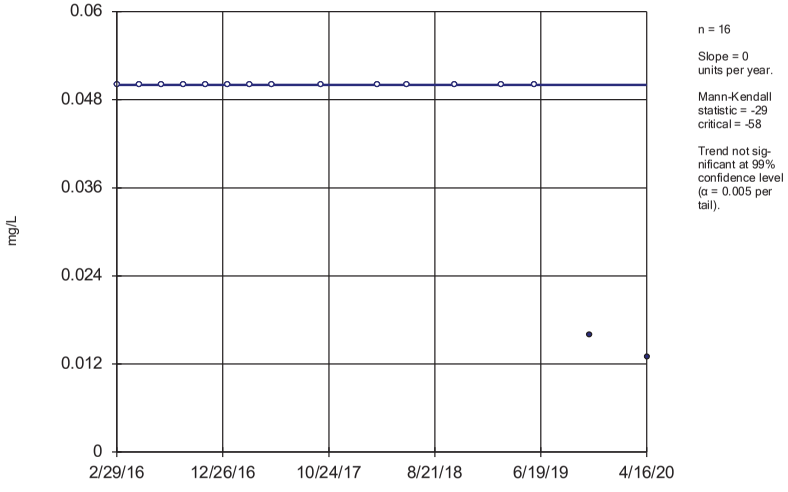


Constituent: Boron Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)

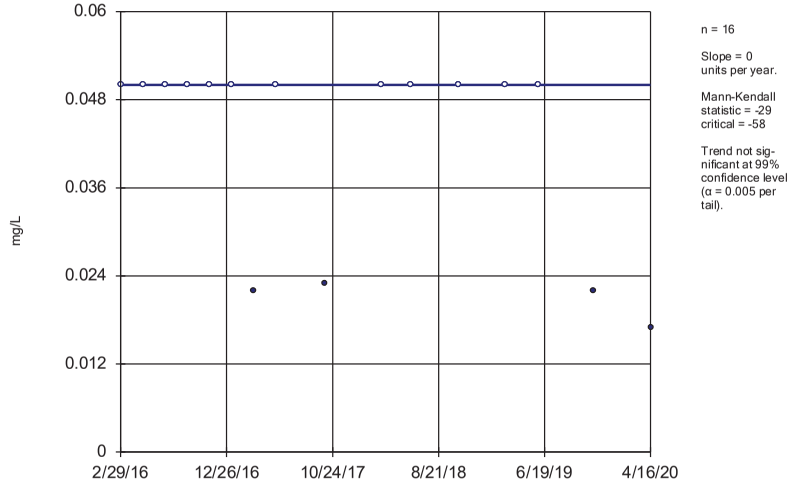


Constituent: Boron Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

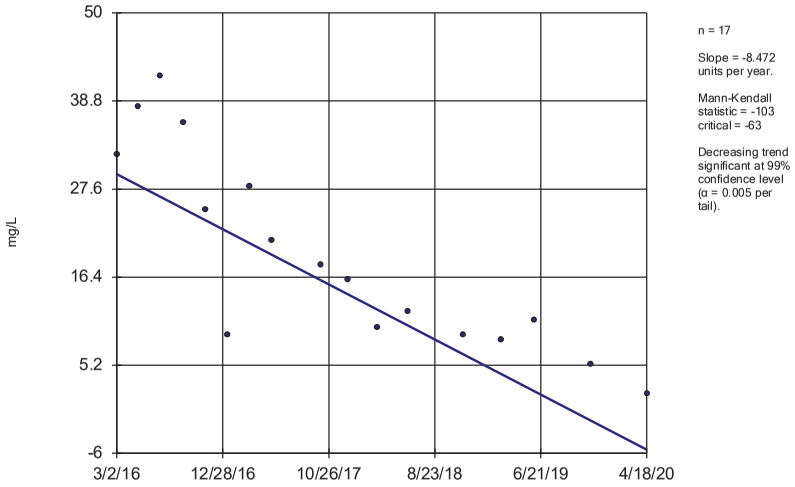
MW-108 (bg)



Constituent: Boron Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-200

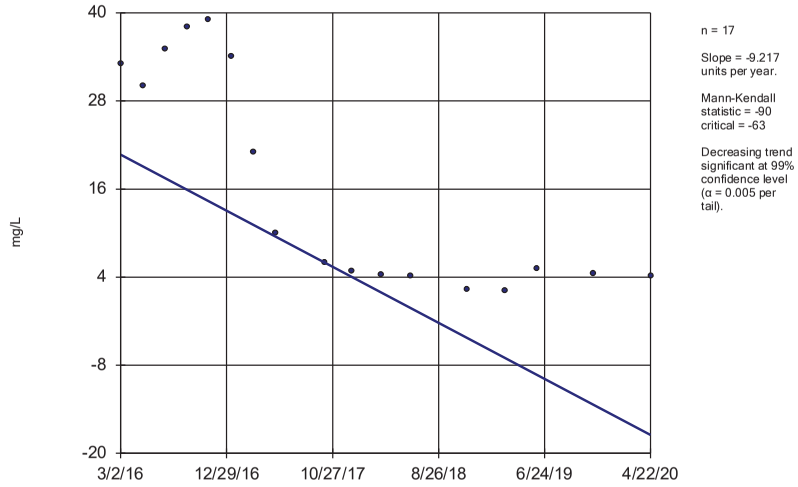


Constituent: Boron Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-201

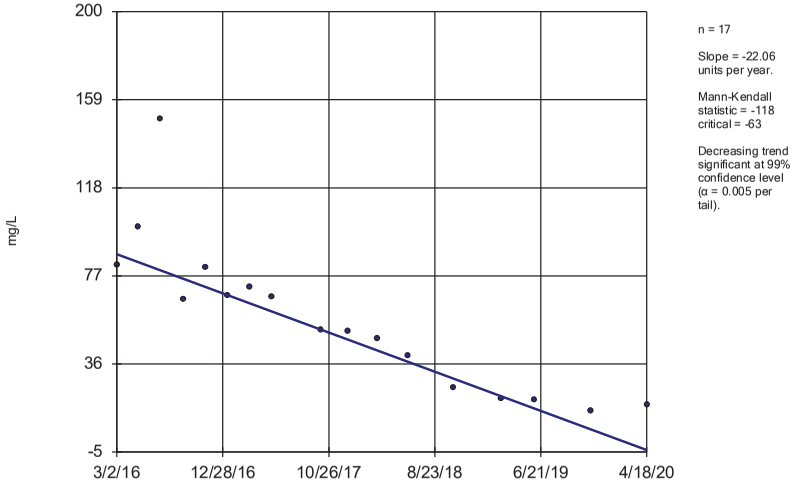


Constituent: Boron Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-206



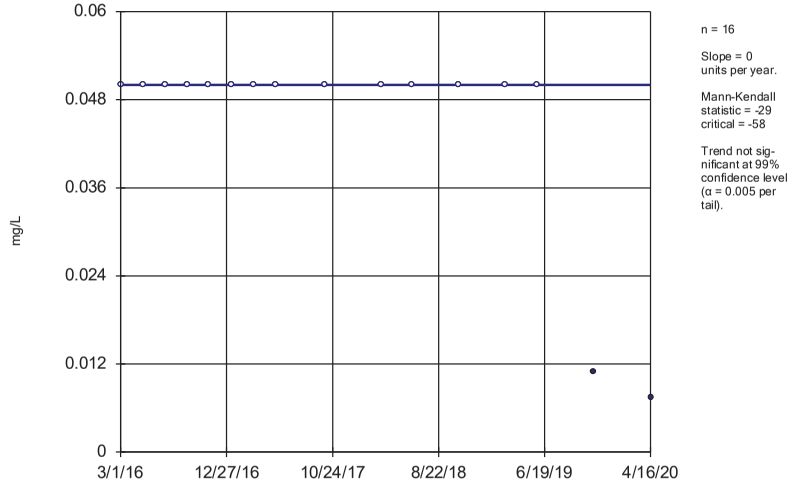
Constituent: Boron Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



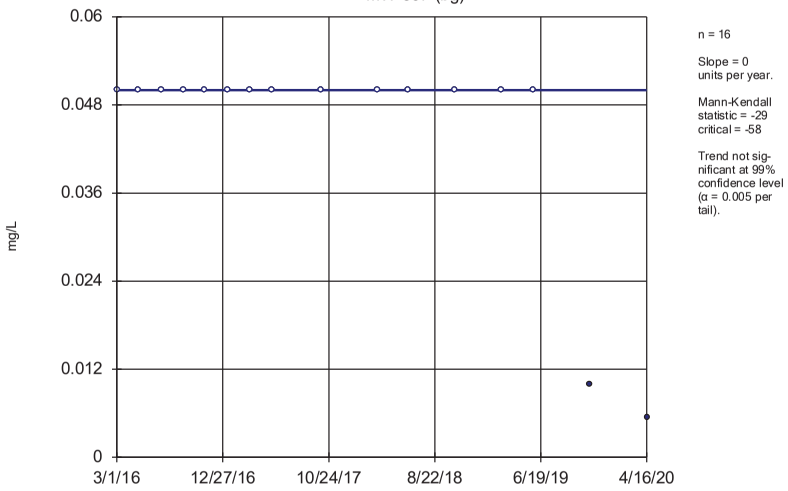
Constituent: Boron Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = -29
critical = -58

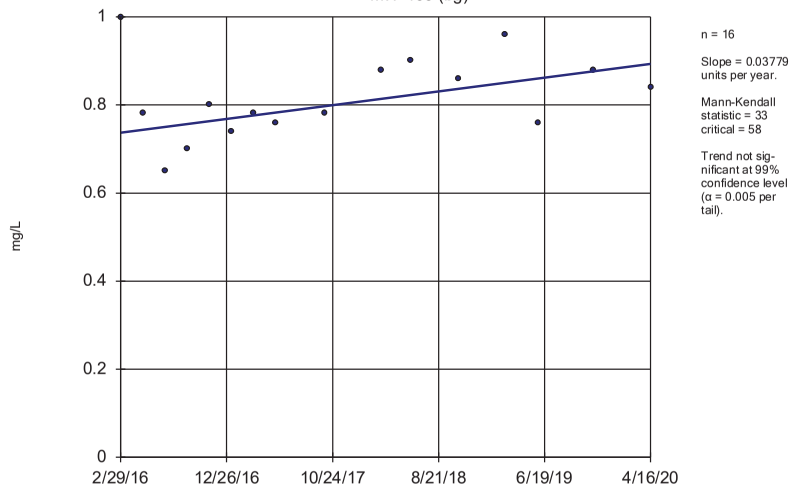
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-100 (bg)



n = 16

Slope = 0.03779 units per year.

Mann-Kendall statistic = 33
critical = 58

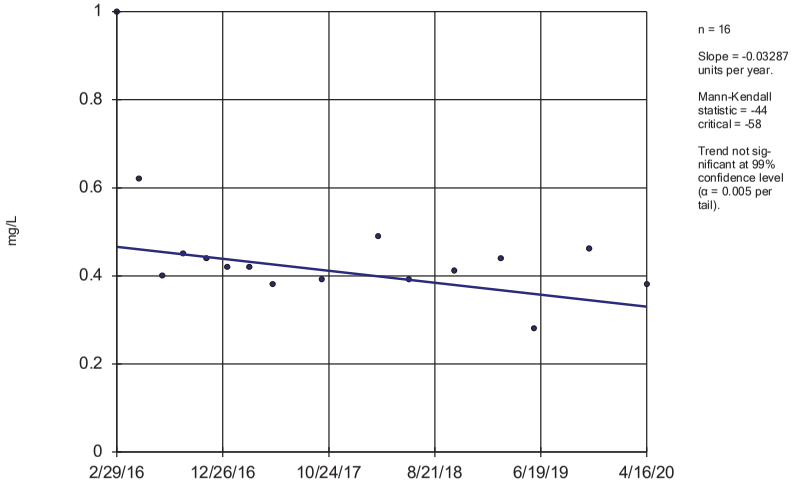
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-101 (bg)



n = 16

Slope = -0.03287 units per year.

Mann-Kendall statistic = -44
critical = -58

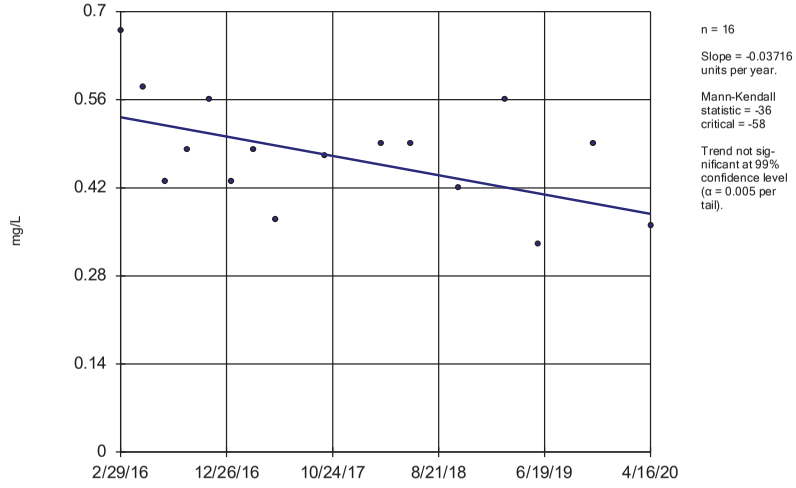
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-107 (bg)



n = 16

Slope = -0.03716 units per year.

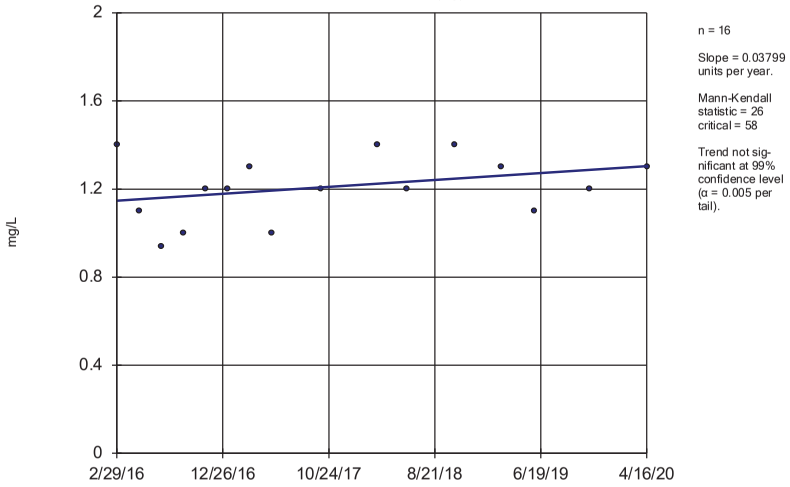
Mann-Kendall statistic = -36
critical = -58

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-108 (bg)



n = 16

Slope = 0.03799 units per year.

Mann-Kendall statistic = 26
critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

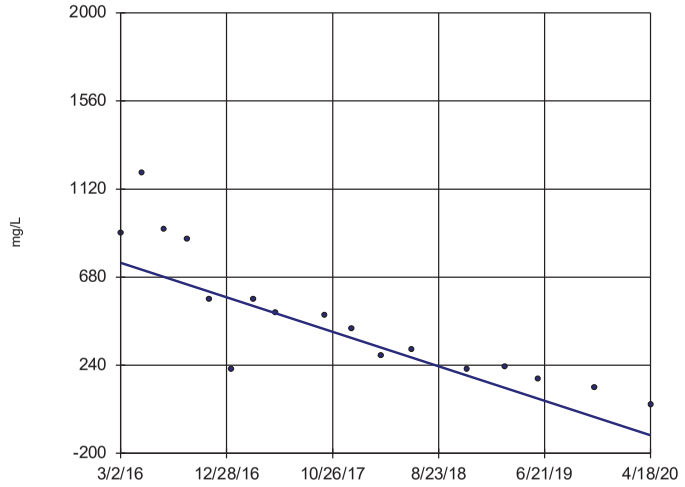
Constituent: Calcium Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-200



n = 17

Slope = -208.6 units per year.

Mann-Kendall statistic = -112
critical = -63

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

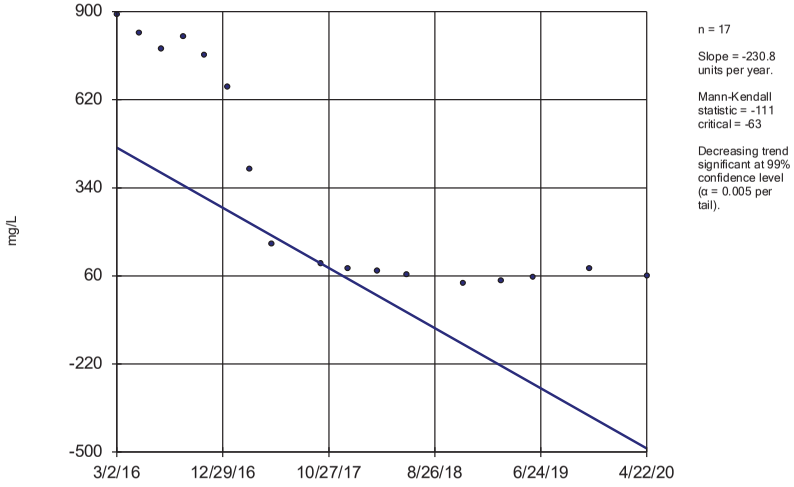
Constituent: Calcium Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-201



n = 17

Slope = -230.8 units per year.

Mann-Kendall statistic = -111
critical = -63

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

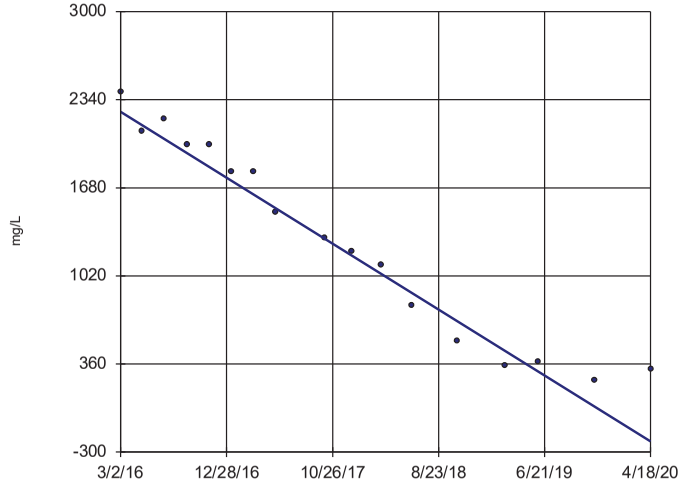
Constituent: Calcium Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-206



n = 17

Slope = -597.4 units per year.

Mann-Kendall statistic = -128
critical = -63

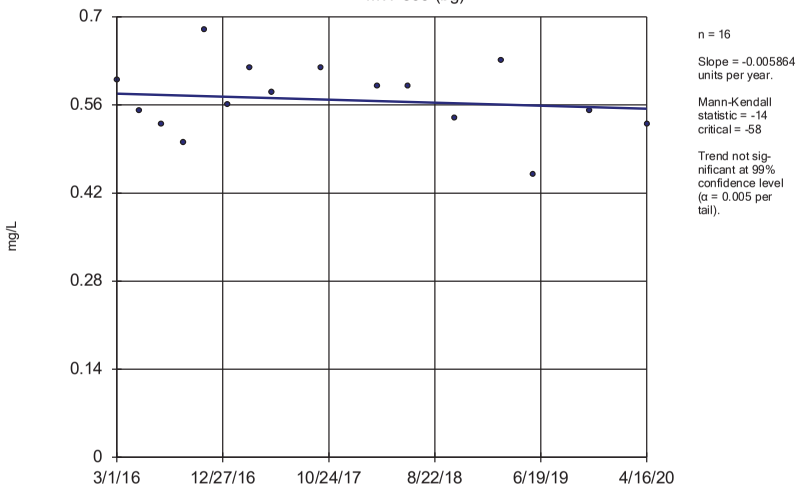
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-306 (bg)



n = 16

Slope = -0.005864 units per year.

Mann-Kendall statistic = -14
critical = -58

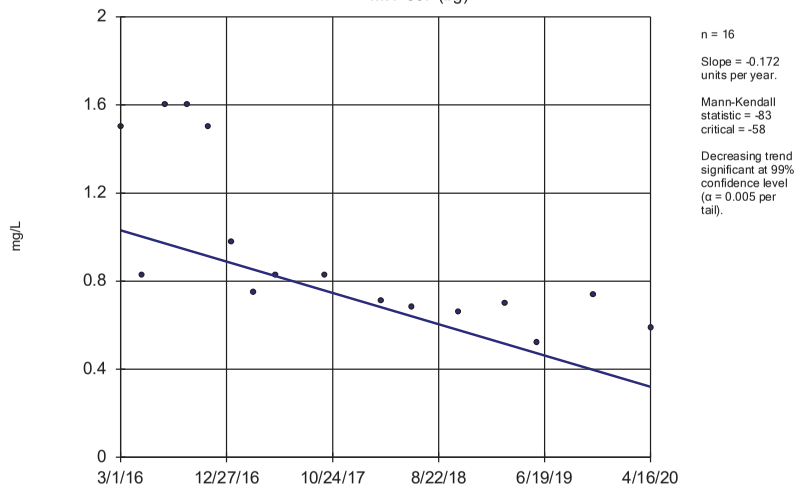
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-307 (bg)



n = 16

Slope = -0.172 units per year.

Mann-Kendall statistic = -83
critical = -58

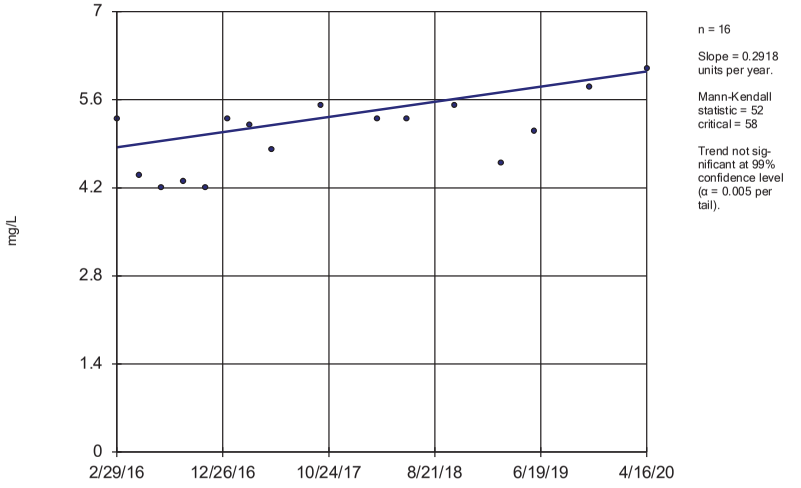
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-100 (bg)



n = 16

Slope = 0.2918 units per year.

Mann-Kendall statistic = 52
critical = 58

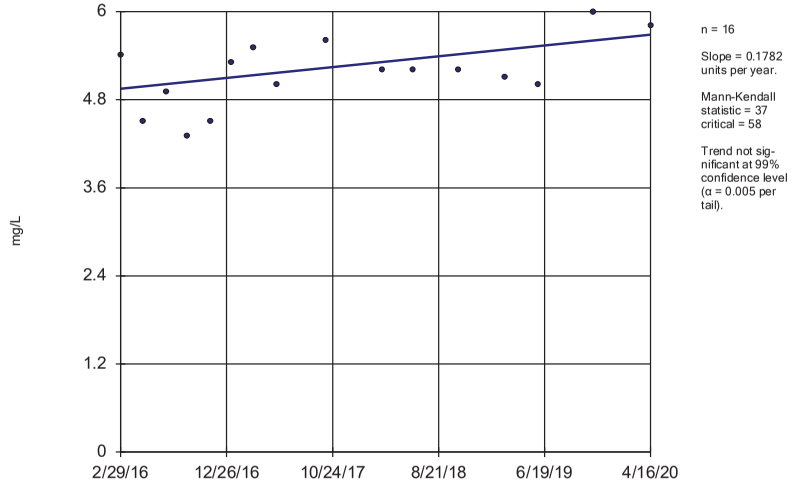
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-101 (bg)



n = 16

Slope = 0.1782 units per year.

Mann-Kendall statistic = 37
critical = 58

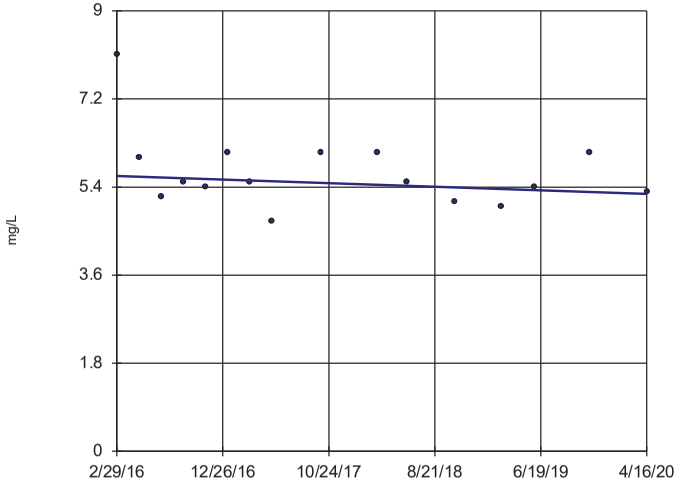
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-107 (bg)



n = 16

Slope = -0.08844 units per year.

Mann-Kendall statistic = -24
critical = -58

Trend not significant at 99% confidence level (α = 0.005 per tail).

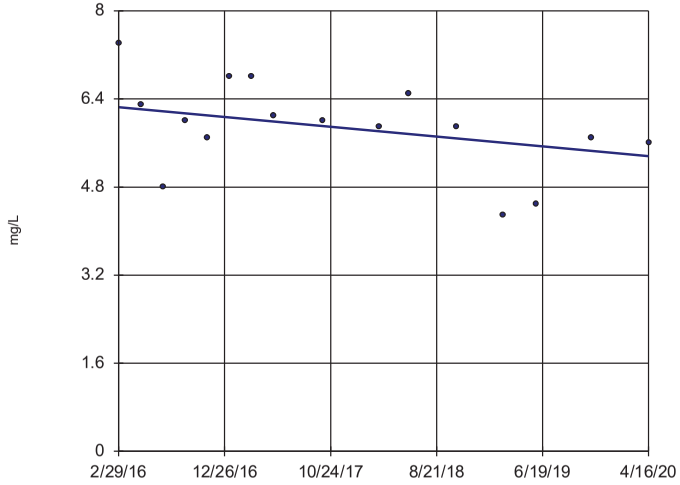
Constituent: Chloride Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-108 (bg)



n = 16

Slope = -0.2144 units per year.

Mann-Kendall statistic = -50
critical = -58

Trend not significant at 99% confidence level (α = 0.005 per tail).

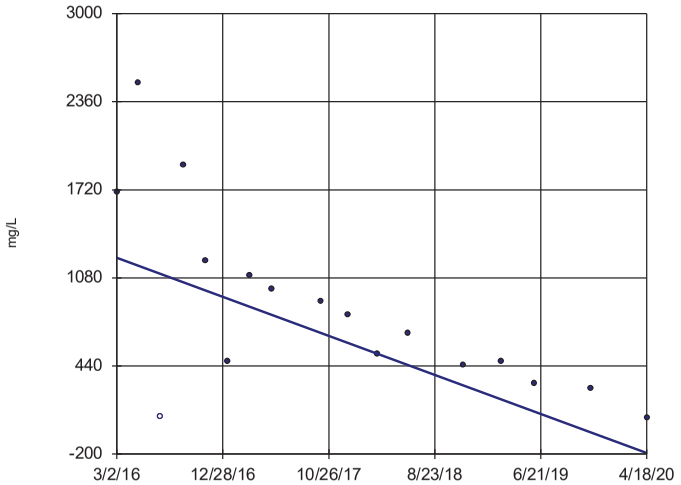
Constituent: Chloride Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-200



n = 17

Slope = -342.9 units per year.

Mann-Kendall statistic = -89
critical = -63

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

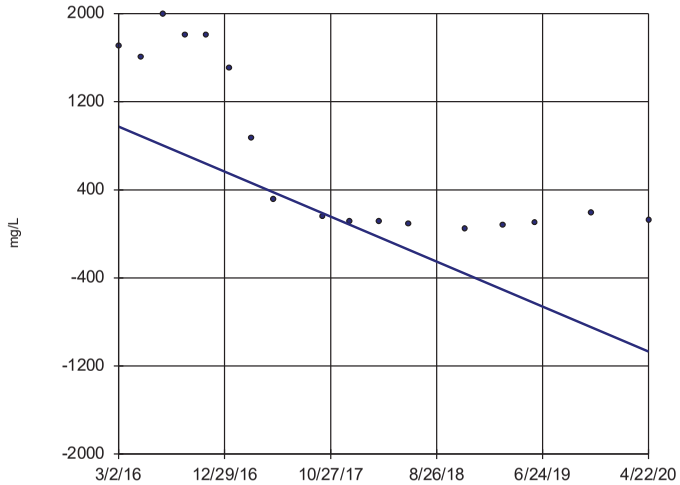
Constituent: Chloride Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-201



n = 17

Slope = -493.4 units per year.

Mann-Kendall statistic = -88
critical = -63

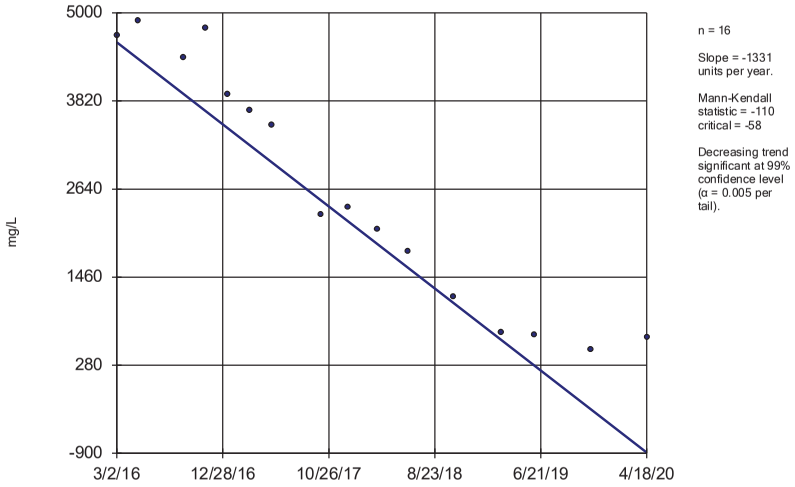
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-206



n = 16

Slope = -1331 units per year.

Mann-Kendall statistic = -110
critical = -58

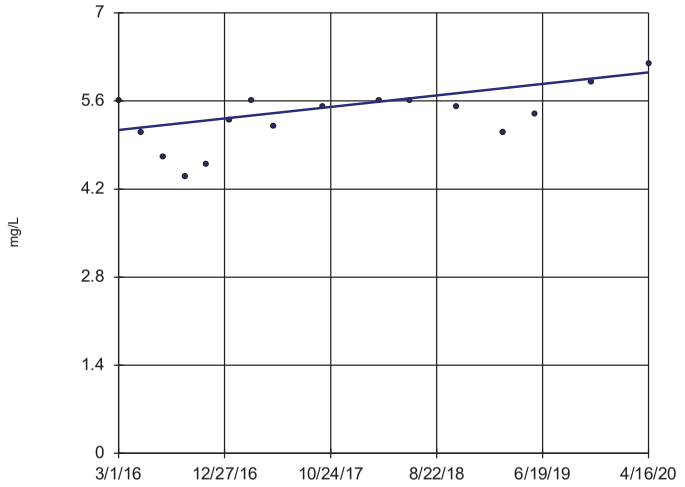
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-306 (bg)



n = 16

Slope = 0.2217 units per year.

Mann-Kendall statistic = 46
critical = 58

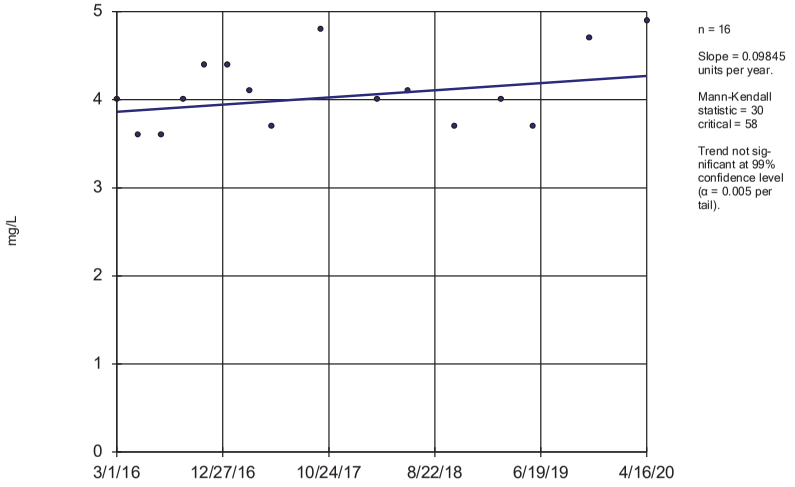
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-307 (bg)



n = 16

Slope = 0.09845 units per year.

Mann-Kendall statistic = 30
critical = 58

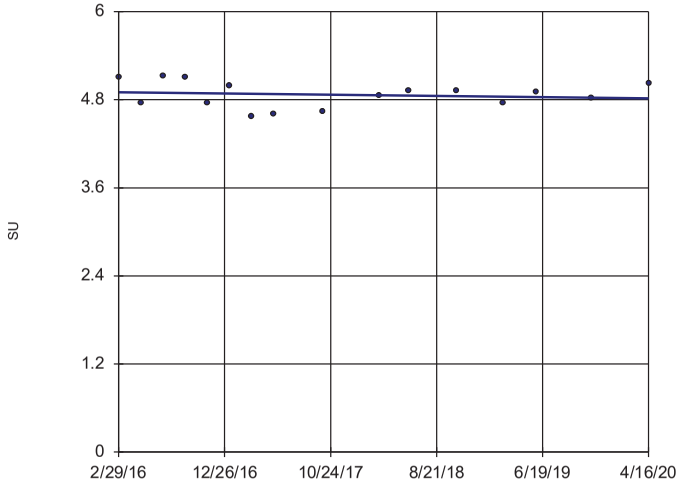
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-100 (bg)



n = 16

Slope = -0.01982 units per year.

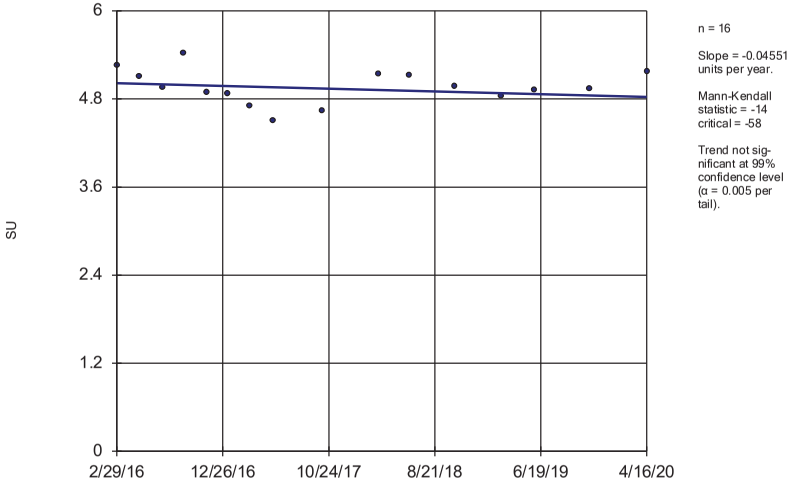
Mann-Kendall statistic = -10
critical = -58

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-101 (bg)



n = 16

Slope = -0.04551 units per year.

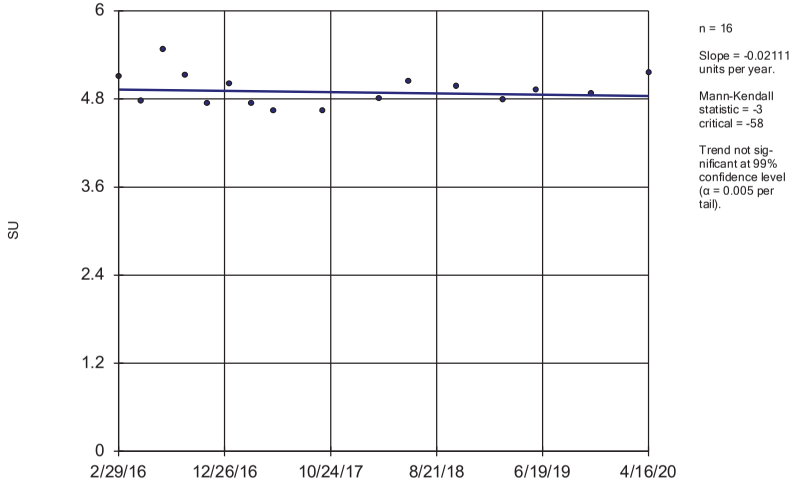
Mann-Kendall statistic = -14
critical = -58

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-107 (bg)



n = 16

Slope = -0.02111 units per year.

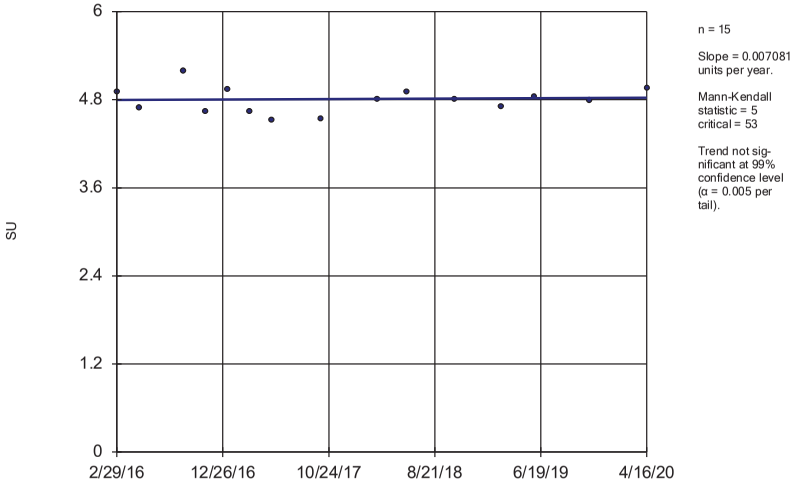
Mann-Kendall statistic = -3
critical = -58

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-108 (bg)



n = 15

Slope = 0.007081 units per year.

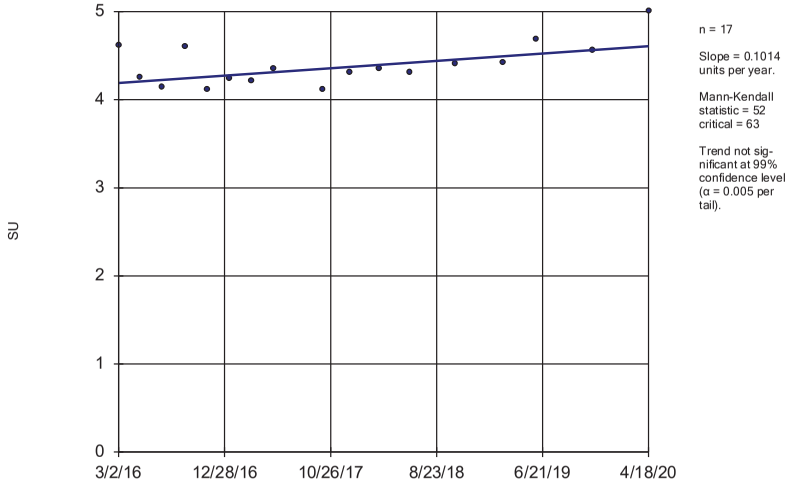
Mann-Kendall statistic = 5
critical = 53

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-206



n = 17

Slope = 0.1014 units per year.

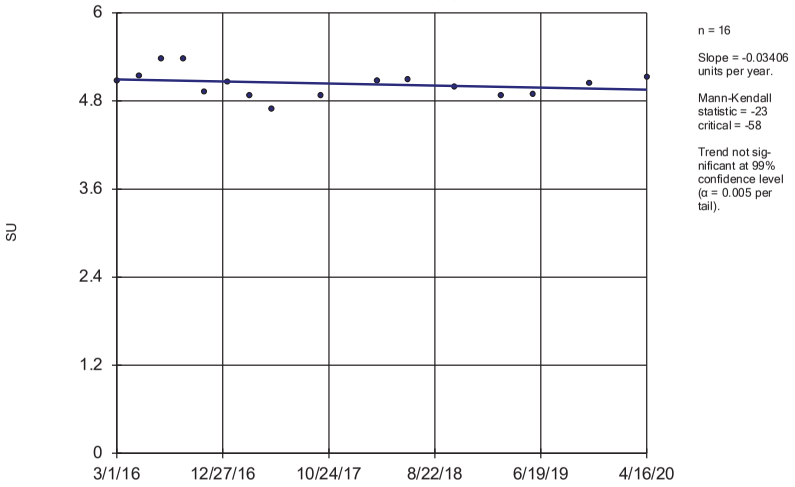
Mann-Kendall statistic = 52
critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-306 (bg)



n = 16

Slope = -0.03406 units per year.

Mann-Kendall statistic = -23
critical = -58

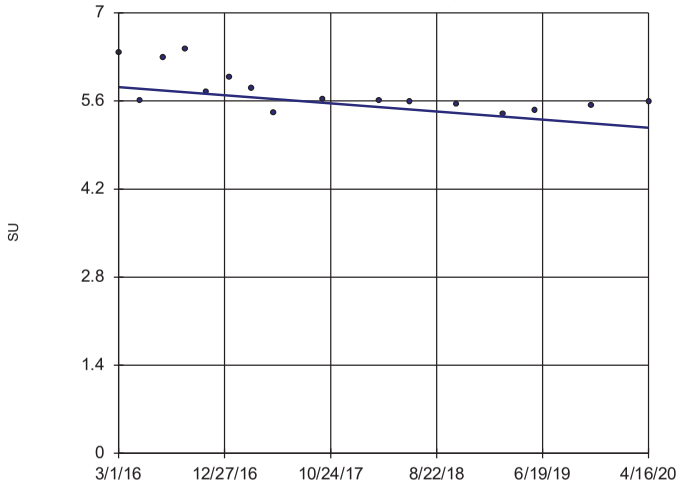
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-307 (bg)



n = 16

Slope = -0.1571 units per year.

Mann-Kendall statistic = -71
critical = -58

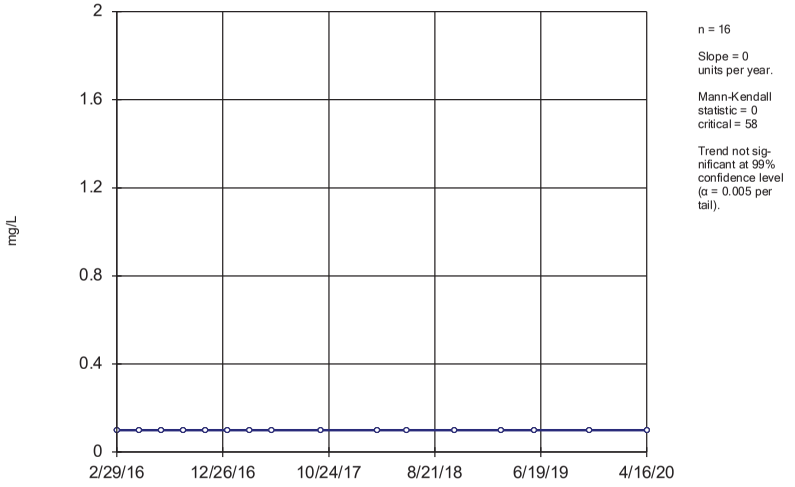
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 58

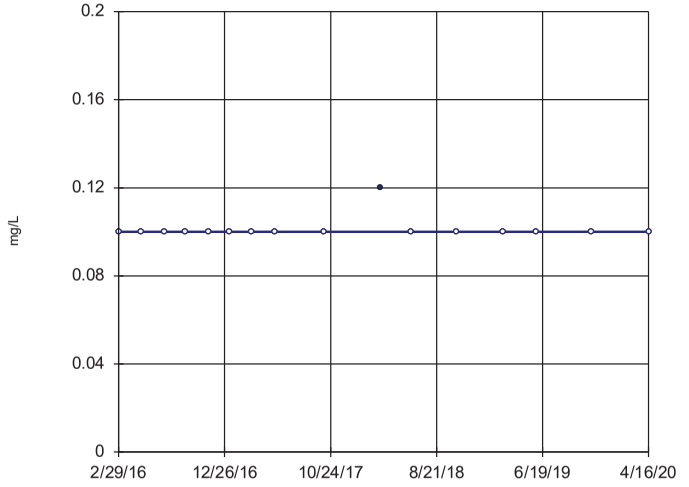
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 3
critical = 58

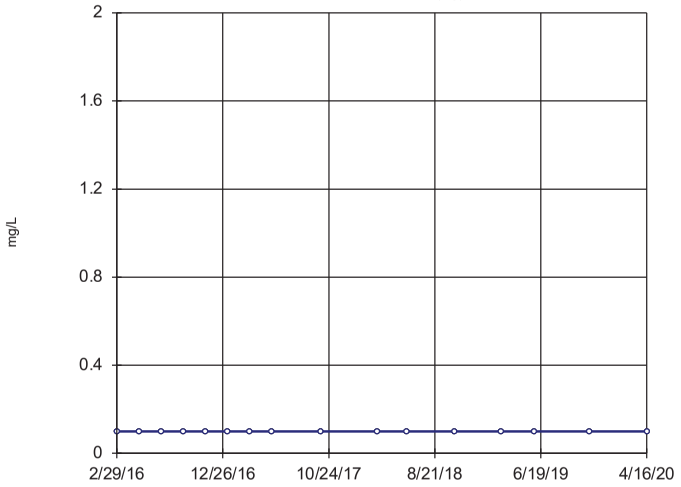
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 58

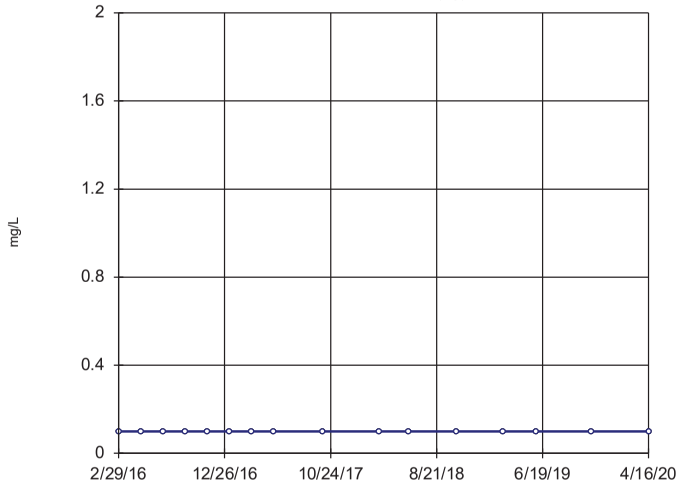
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 58

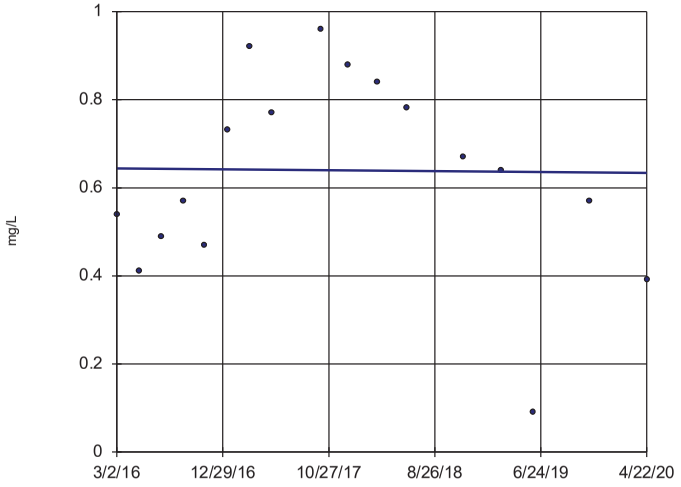
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-201



n = 17

Slope = -0.002519 units per year.

Mann-Kendall statistic = -1
critical = -63

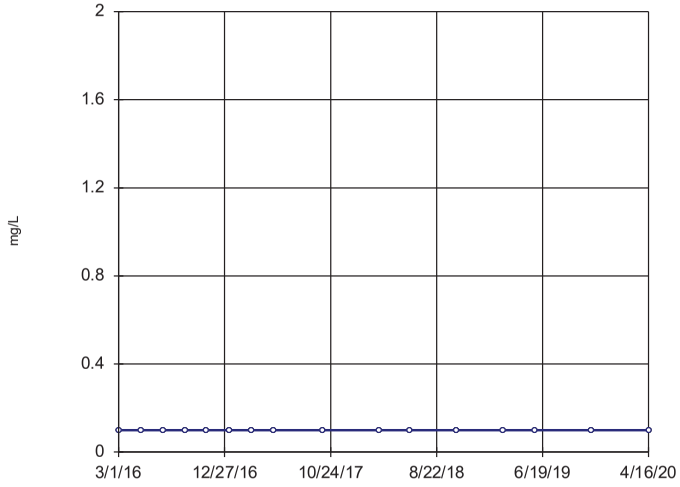
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 58

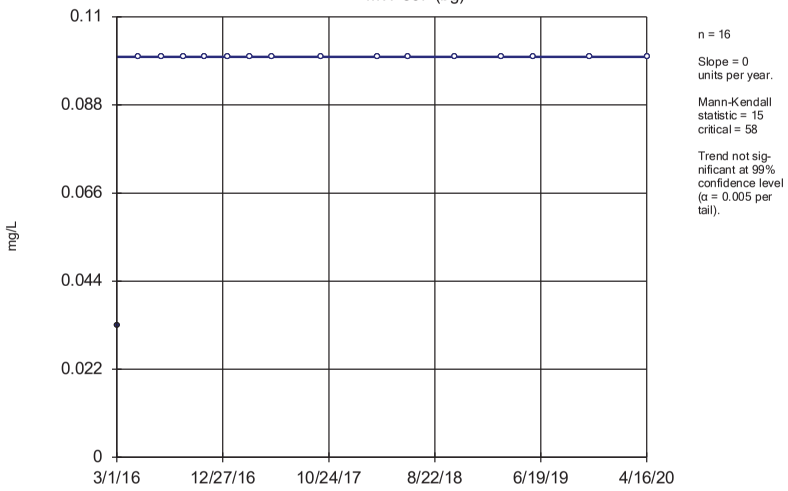
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)

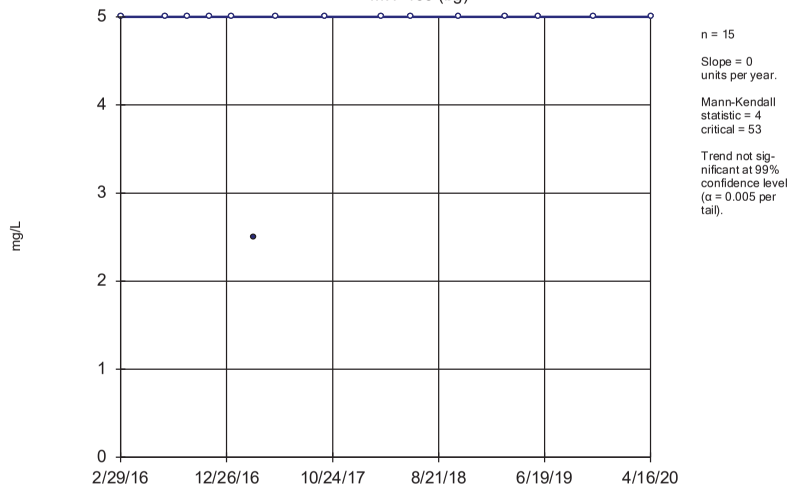


Constituent: Fluoride Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)

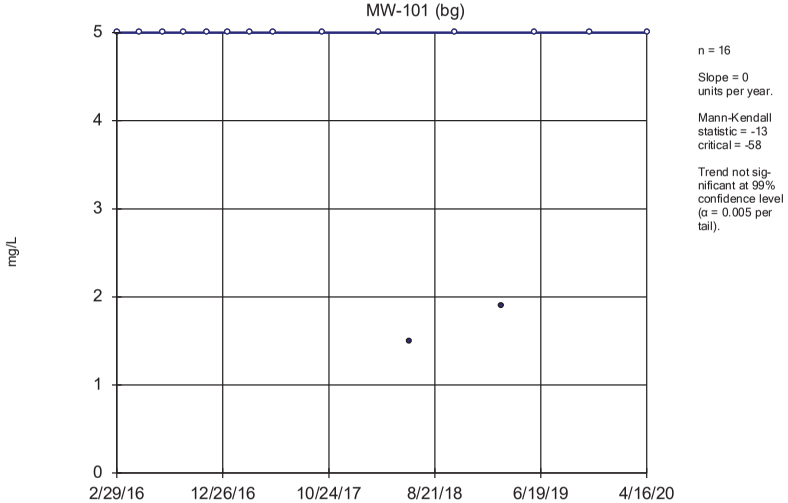


Constituent: Sulfate Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)

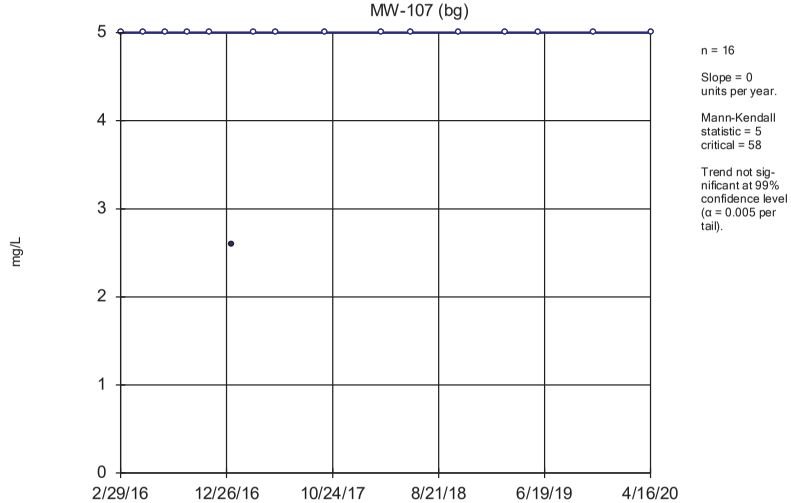


Constituent: Sulfate Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

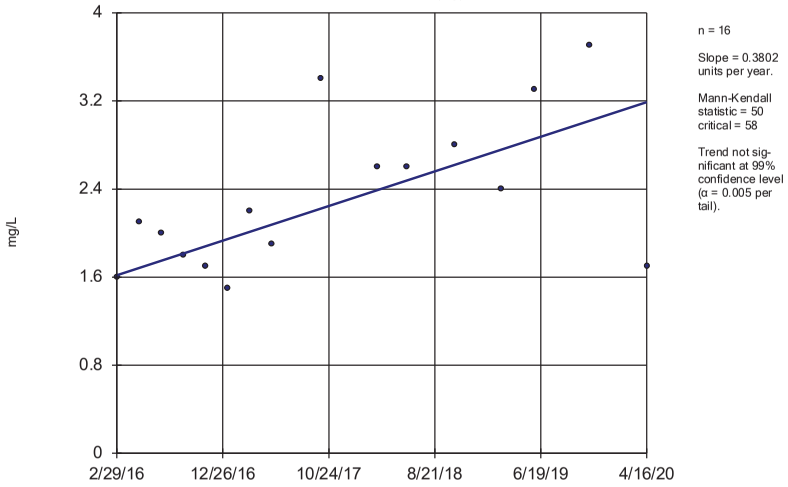
MW-107 (bg)



Constituent: Sulfate Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-108 (bg)



n = 16

Slope = 0.3802 units per year.

Mann-Kendall statistic = 50
critical = 58

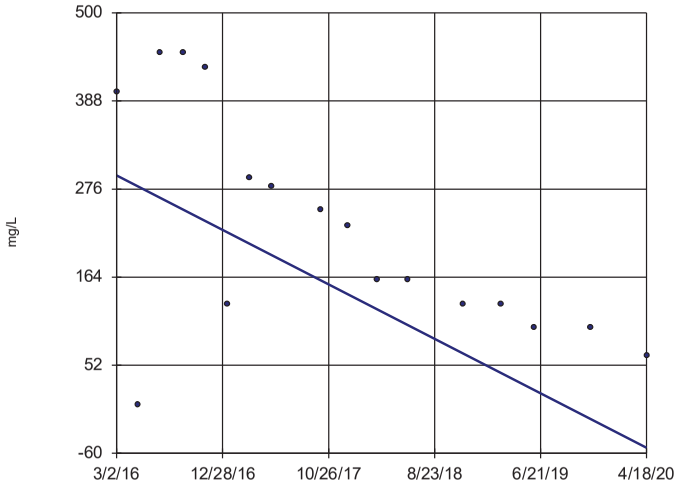
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-200



n = 17

Slope = -83.88 units per year.

Mann-Kendall statistic = -82
critical = -63

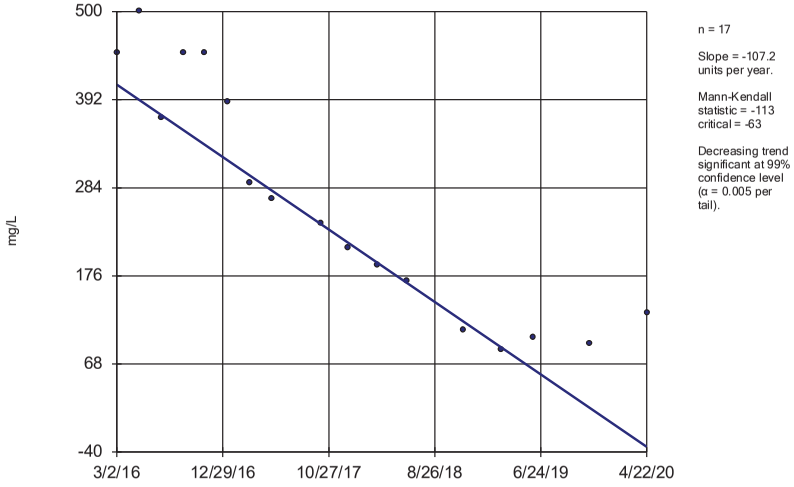
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-201



n = 17

Slope = -107.2 units per year.

Mann-Kendall statistic = -113
critical = -63

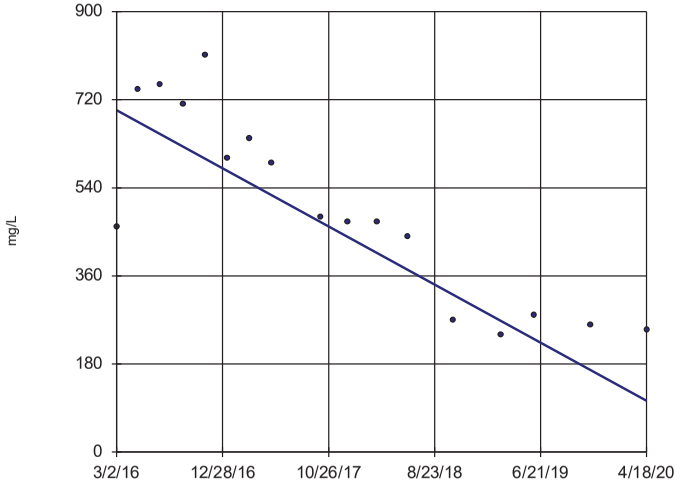
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-206



n = 17

Slope = -143.7 units per year.

Mann-Kendall statistic = -97
critical = -63

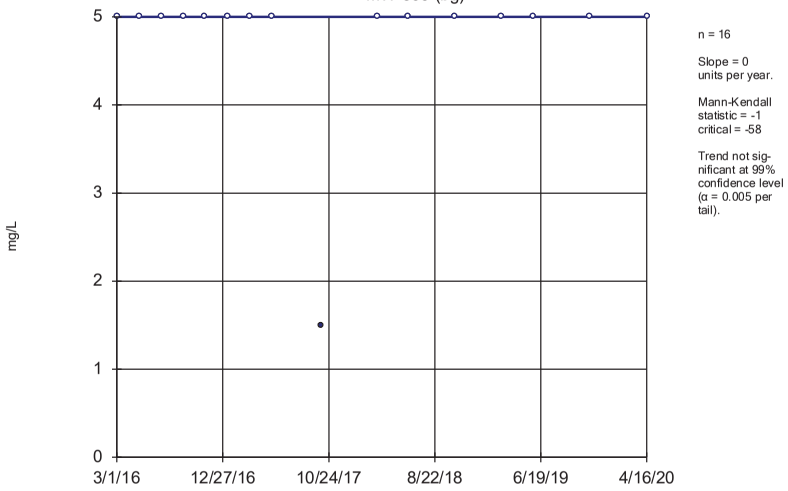
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)

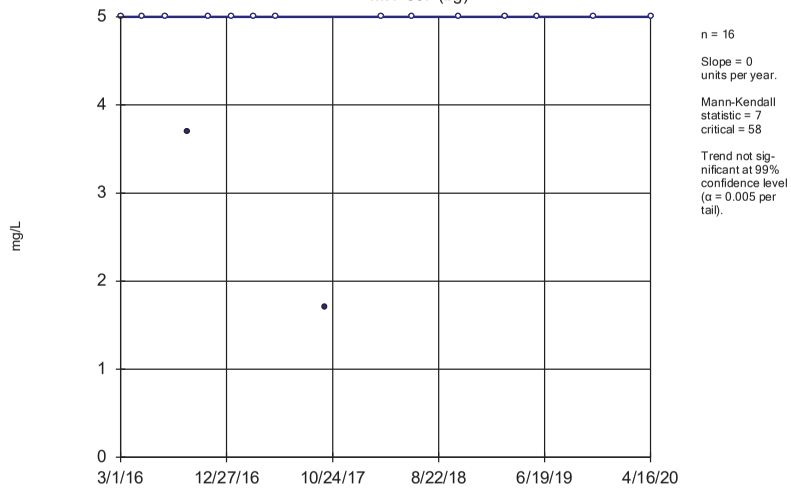


Constituent: Sulfate Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)

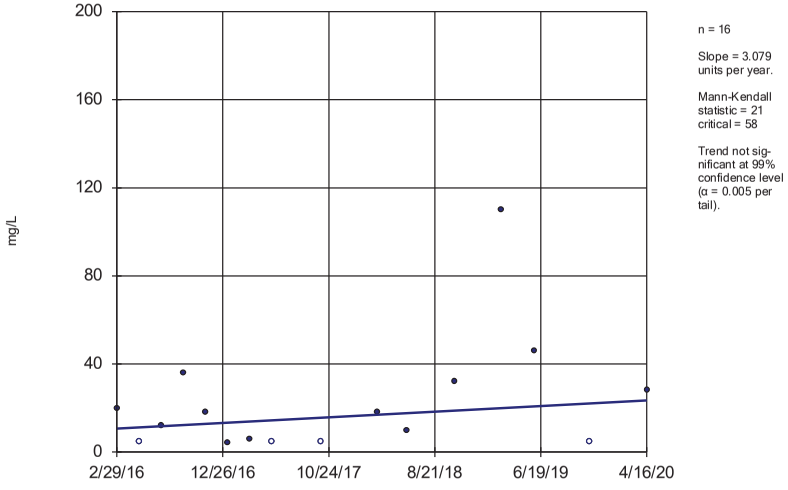


Constituent: Sulfate Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)

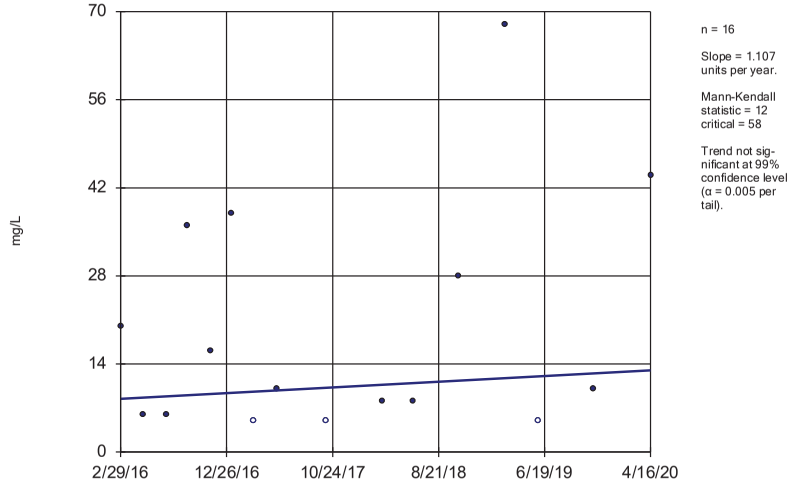


Constituent: Total Dissolved Solids Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)

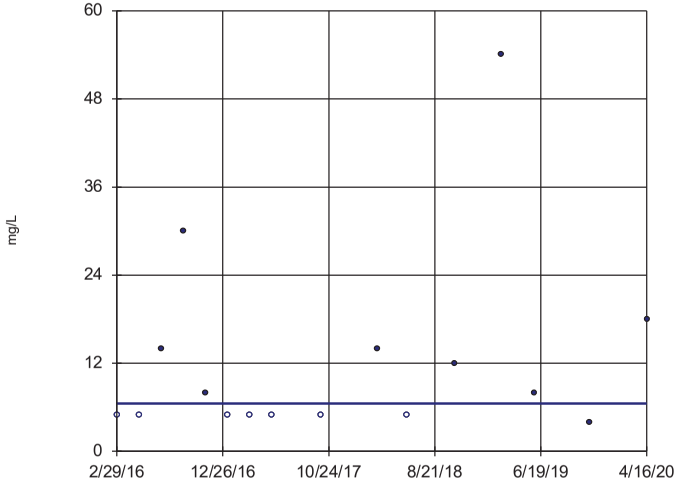


Constituent: Total Dissolved Solids Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 11
critical = 58

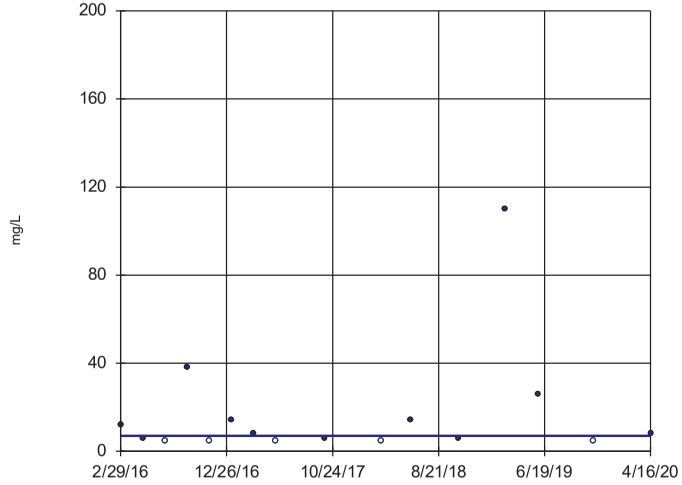
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 7
critical = 58

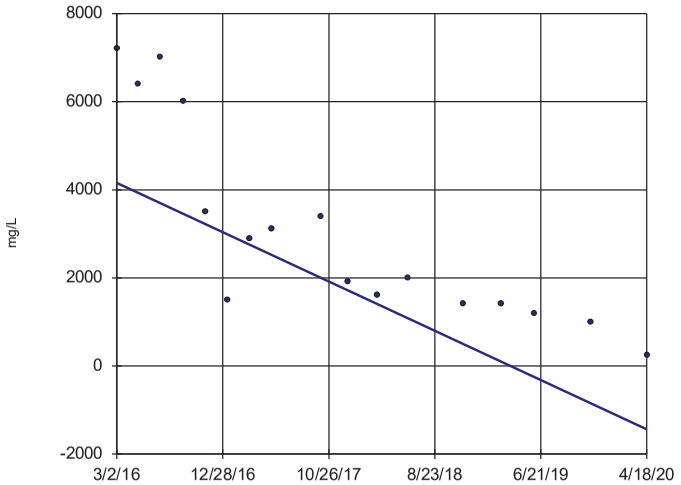
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-200



n = 17

Slope = -1353 units per year.

Mann-Kendall statistic = -111
critical = -63

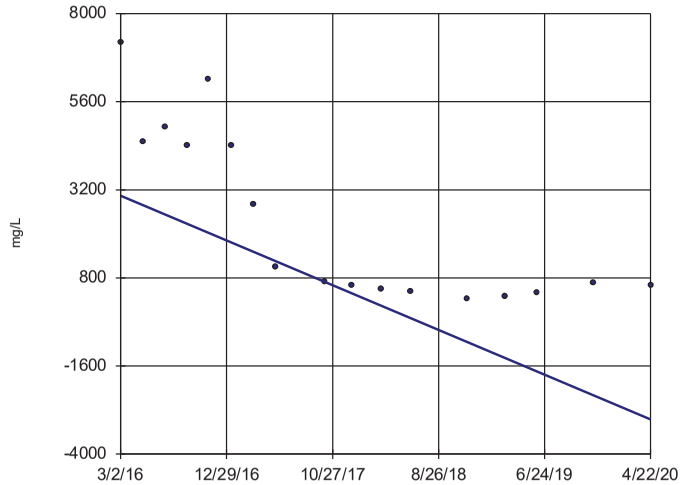
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-201



n = 17

Slope = -1471 units per year.

Mann-Kendall statistic = -97
critical = -63

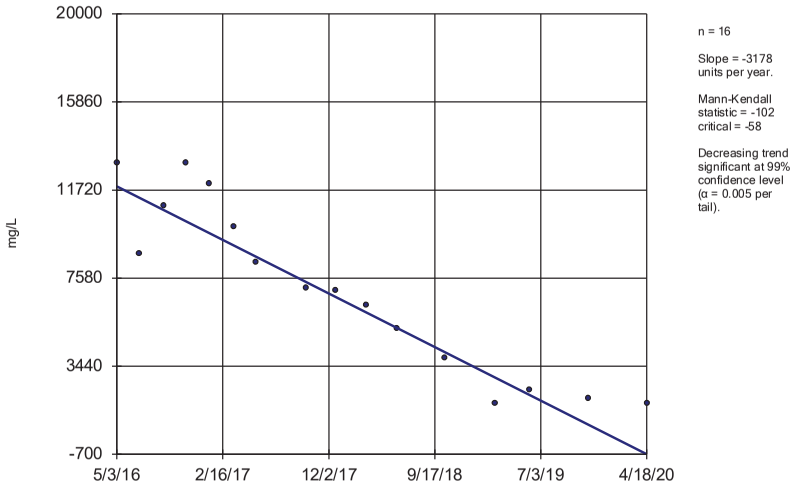
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-206



Constituent: Total Dissolved Solids Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests

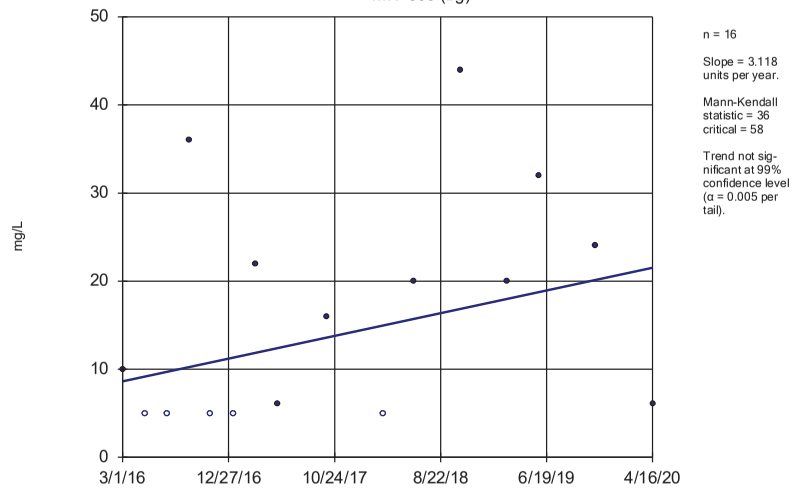
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



Constituent: Total Dissolved Solids Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests

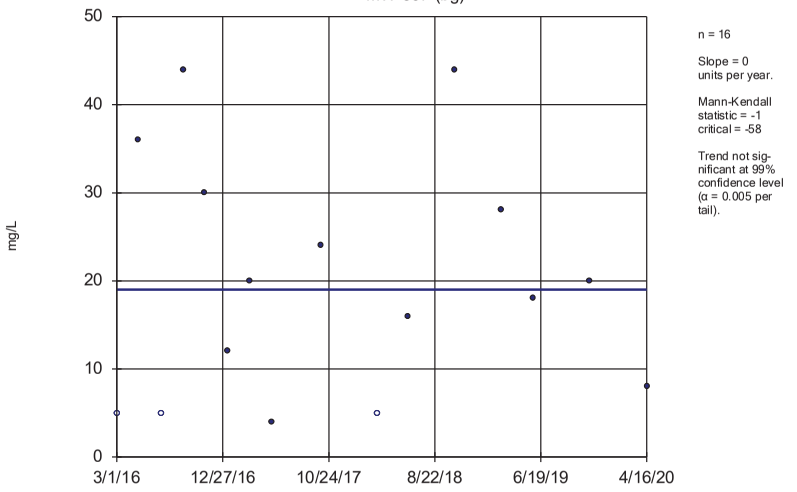
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



Constituent: Total Dissolved Solids Analysis Run 6/25/2020 9:20 AM View: 200 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

300 Series

Appendix III Trend Tests - 300 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/25/2020, 9:37 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	**MW-307 (bg)**	**-0.172**	**-83**	**-58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	**MW-307 (bg)**	**-0.1571**	**-71**	**-58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	**MW-303**	**0.05703**	**97**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	**MW-308**	**0.03056**	**83**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-308**	**-34.45**	**-87**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - 300 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/25/2020, 9:37 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	MW-100 (bg)	0	-27	-58	No	16	87.5	n/a	n/a	0.01	NP
Boron (mg/L)	MW-101 (bg)	0	-20	-58	No	16	81.25	n/a	n/a	0.01	NP
Boron (mg/L)	MW-107 (bg)	0	-29	-58	No	16	87.5	n/a	n/a	0.01	NP
Boron (mg/L)	MW-108 (bg)	0	-29	-58	No	16	75	n/a	n/a	0.01	NP
Boron (mg/L)	MW-303	0.2903	19	63	No	17	0	n/a	n/a	0.01	NP
Boron (mg/L)	MW-304	0.3999	55	63	No	17	0	n/a	n/a	0.01	NP
Boron (mg/L)	MW-306 (bg)	0	-29	-58	No	16	87.5	n/a	n/a	0.01	NP
Boron (mg/L)	MW-307 (bg)	0	-29	-58	No	16	87.5	n/a	n/a	0.01	NP
Boron (mg/L)	MW-308	-0.6205	-32	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-100 (bg)	0.03779	33	58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-101 (bg)	-0.03287	-44	-58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-107 (bg)	-0.03716	-36	-58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-108 (bg)	0.03799	26	58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-303	3.624	26	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-304	-8.423	-31	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-306 (bg)	-0.005864	-14	-58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-307 (bg)**	**-0.172**	**-83**	**-58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-308	-4.426	-38	-63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-100 (bg)	0.2918	52	58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-101 (bg)	0.1782	37	58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-107 (bg)	-0.08844	-24	-58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-108 (bg)	-0.2144	-50	-58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-300	0.01493	7	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-303	5.851	22	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-304	0.474	3	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-305	0.1902	26	63	No	17	5.882	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-306 (bg)	0.2217	46	58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-307 (bg)	0.09845	30	58	No	16	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-308	5.492	17	63	No	17	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-100 (bg)	-0.01982	-10	-58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-101 (bg)	-0.04551	-14	-58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-107 (bg)	-0.02111	-3	-58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-108 (bg)	0.007081	5	53	No	15	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-306 (bg)	-0.03406	-23	-58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	**MW-307 (bg)**	**-0.1571**	**-71**	**-58**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	MW-308	0.1616	50	63	No	17	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-100 (bg)	0	0	58	No	16	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-101 (bg)	0	3	58	No	16	93.75	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-107 (bg)	0	0	58	No	16	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-108 (bg)	0	0	58	No	16	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	**MW-303**	**0.05703**	**97**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	MW-306 (bg)	0	0	58	No	16	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-307 (bg)	0	15	58	No	16	93.75	n/a	n/a	0.01	NP
Fluoride (mg/L)	**MW-308**	**0.03056**	**83**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	MW-100 (bg)	0	4	53	No	15	93.33	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-101 (bg)	0	-13	-58	No	16	87.5	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-107 (bg)	0	5	58	No	16	93.75	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-108 (bg)	0.3802	50	58	No	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-303	6.882	12	63	No	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-304	-18.4	-17	-63	No	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-306 (bg)	0	-1	-58	No	16	93.75	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-307 (bg)	0	7	58	No	16	87.5	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-308**	**-34.45**	**-87**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	MW-100 (bg)	3.079	21	58	No	16	25	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-101 (bg)	1.107	12	58	No	16	18.75	n/a	n/a	0.01	NP

Appendix III Trend Tests - 300 Series Wells - All Results

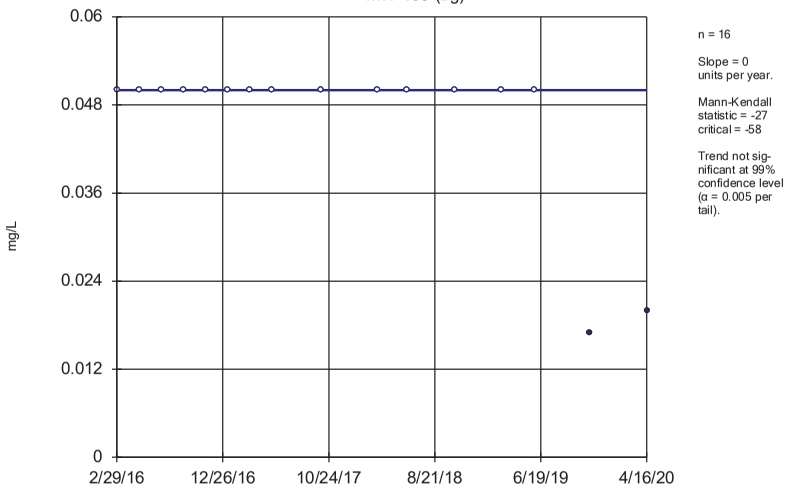
Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/25/2020, 9:37 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Total Dissolved Solids (mg/L)	MW-107 (bg)	0	11	58	No	16	43.75	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-108 (bg)	0	7	58	No	16	31.25	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-303	6.861	3	63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-304	-46.34	-17	-63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-306 (bg)	3.118	36	58	No	16	31.25	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-307 (bg)	0	-1	-58	No	16	18.75	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-308	-43.33	-44	-63	No	17	0	n/a	n/a	0.01	NP

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)

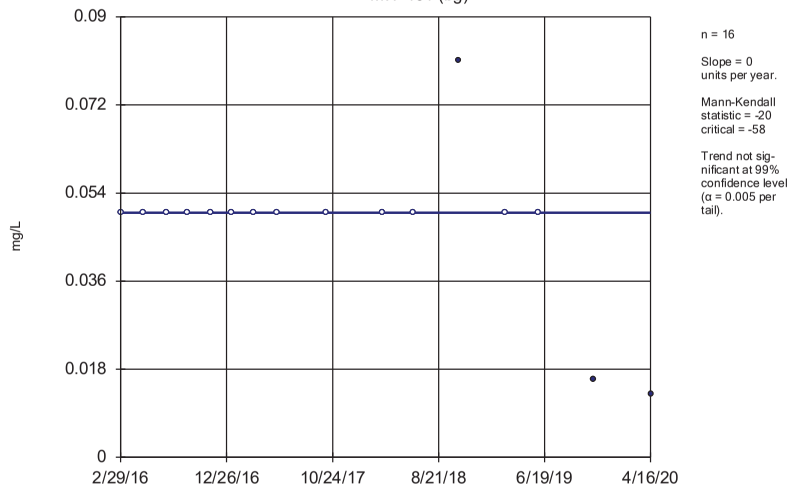


Constituent: Boron Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)

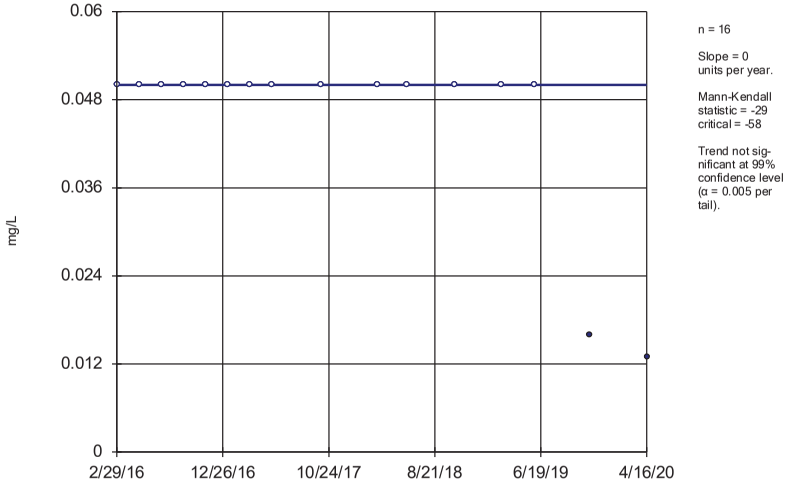


Constituent: Boron Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)

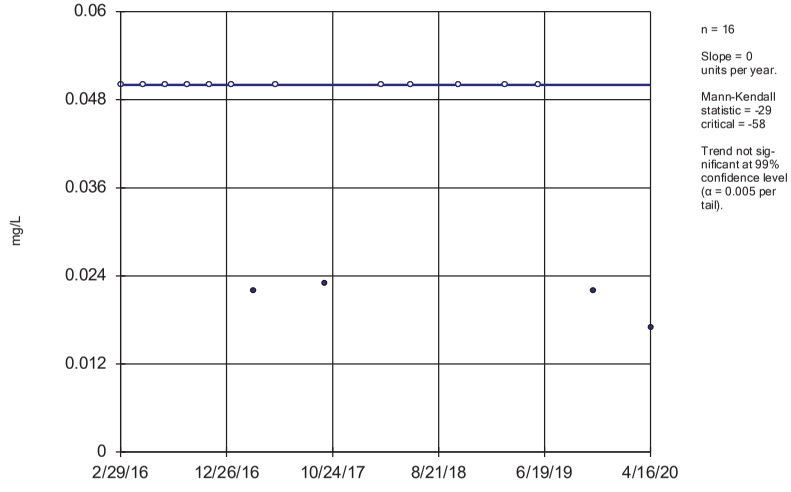


Constituent: Boron Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)

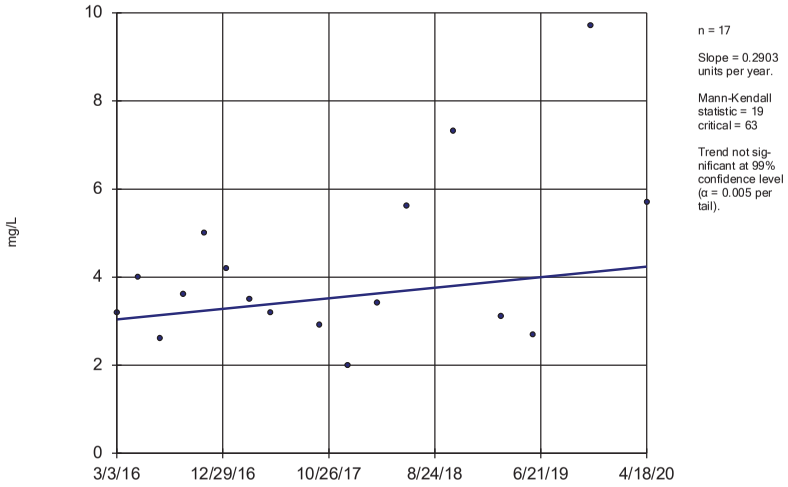


Constituent: Boron Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-303



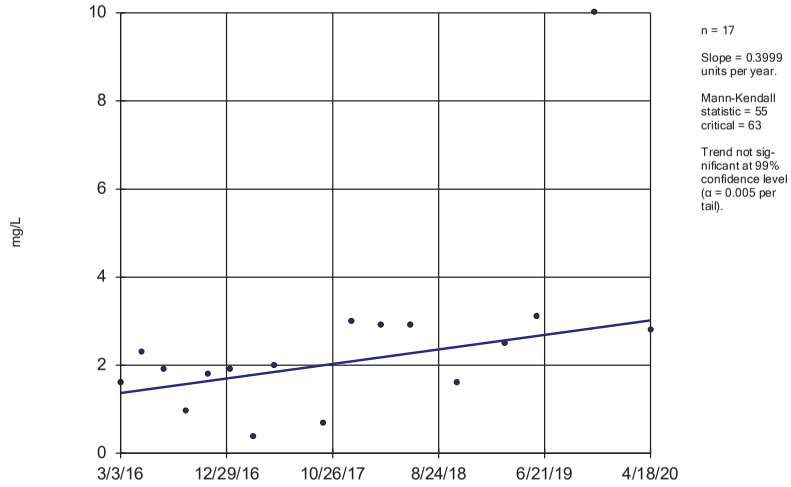
Constituent: Boron Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-304



Constituent: Boron Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests

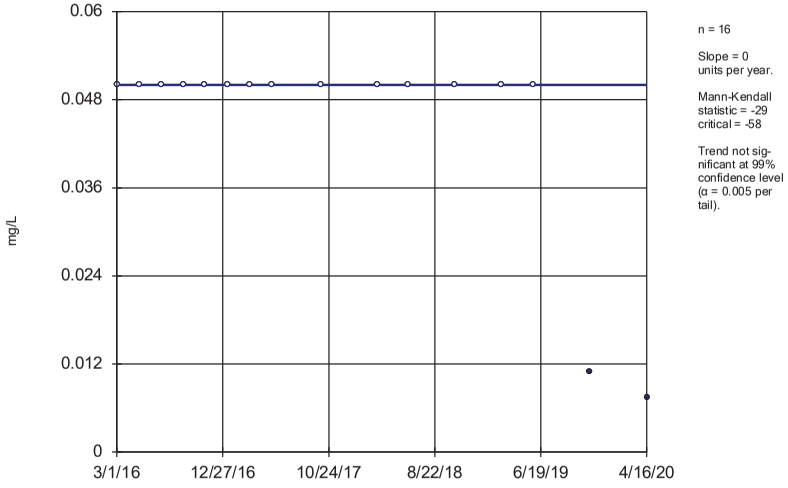
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



Constituent: Boron Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests

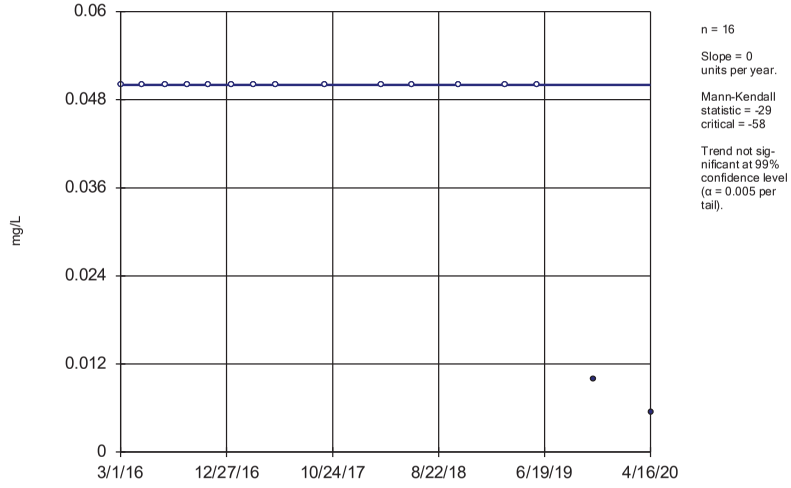
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)

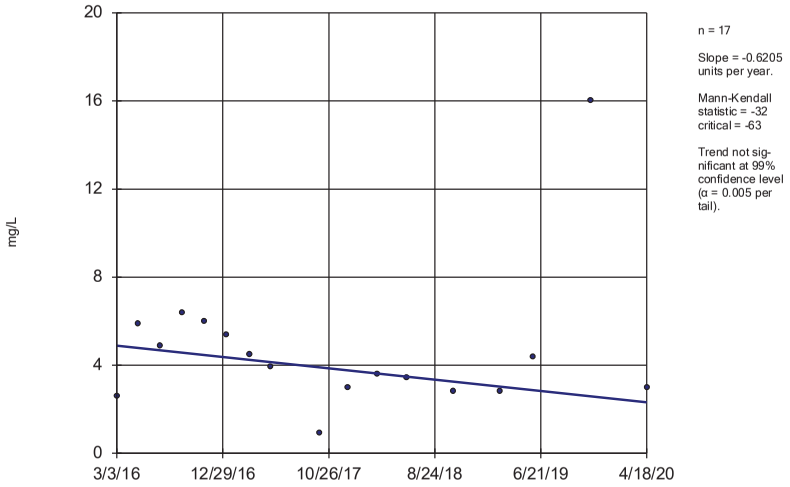


Constituent: Boron Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-308



n = 17

Slope = -0.6205 units per year.

Mann-Kendall statistic = -32
critical = -63

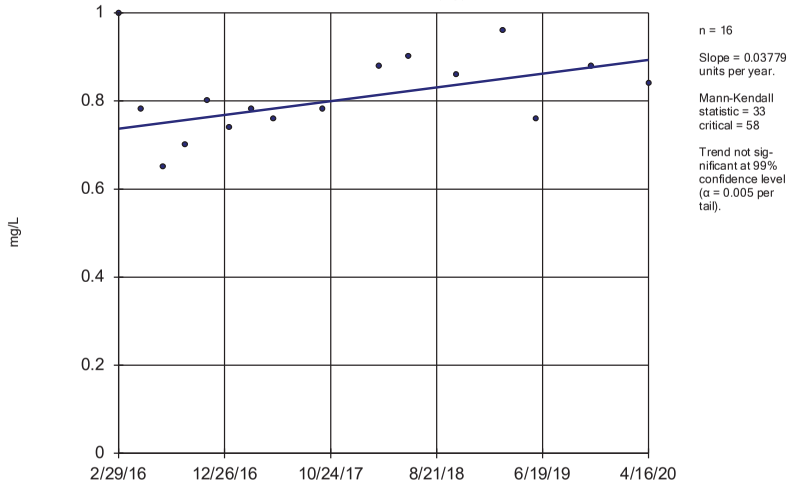
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-100 (bg)



n = 16

Slope = 0.03779 units per year.

Mann-Kendall statistic = 33
critical = 58

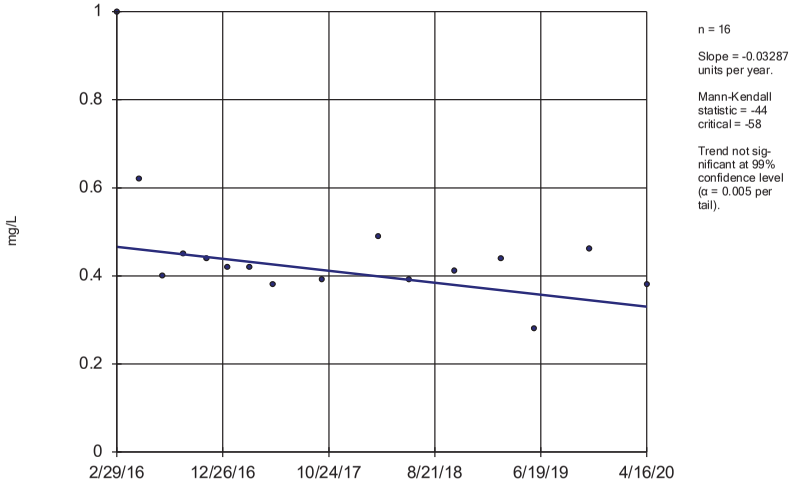
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-101 (bg)



n = 16

Slope = -0.03287 units per year.

Mann-Kendall statistic = -44
critical = -58

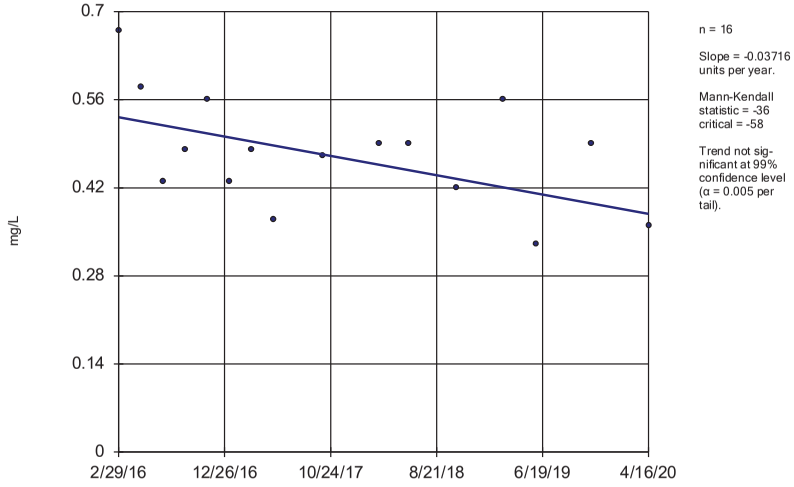
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-107 (bg)



n = 16

Slope = -0.03716 units per year.

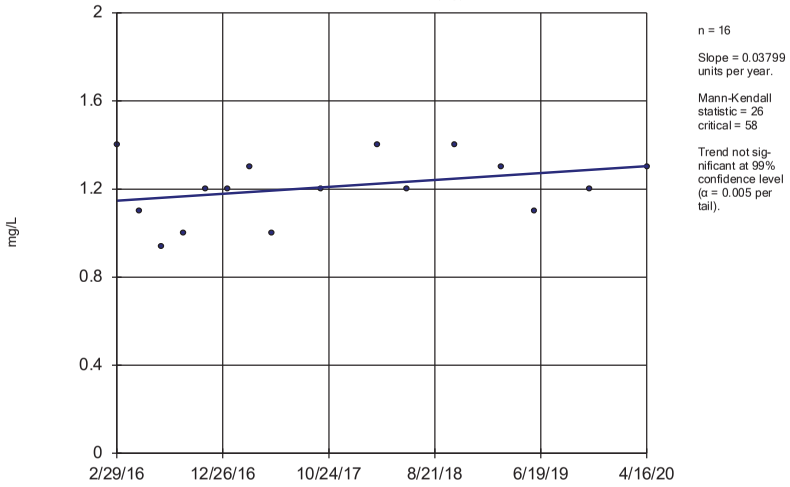
Mann-Kendall statistic = -36
critical = -58

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-108 (bg)



n = 16

Slope = 0.03799 units per year.

Mann-Kendall statistic = 26
critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

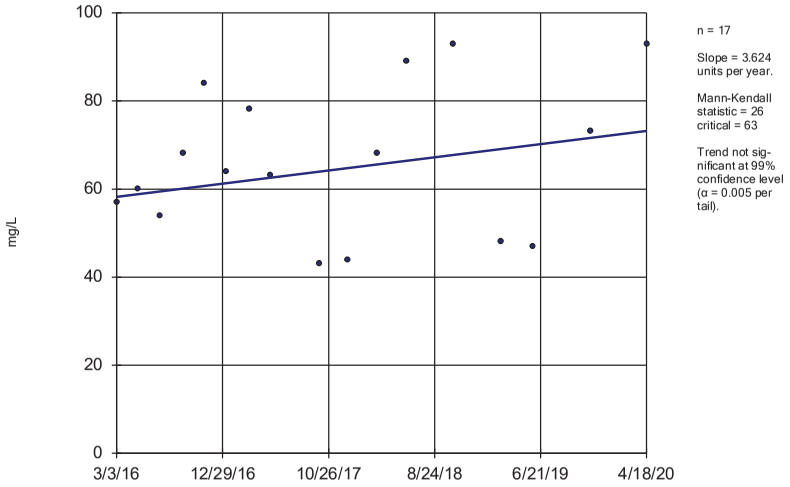
Constituent: Calcium Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-303



n = 17

Slope = 3.624 units per year.

Mann-Kendall statistic = 26
critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

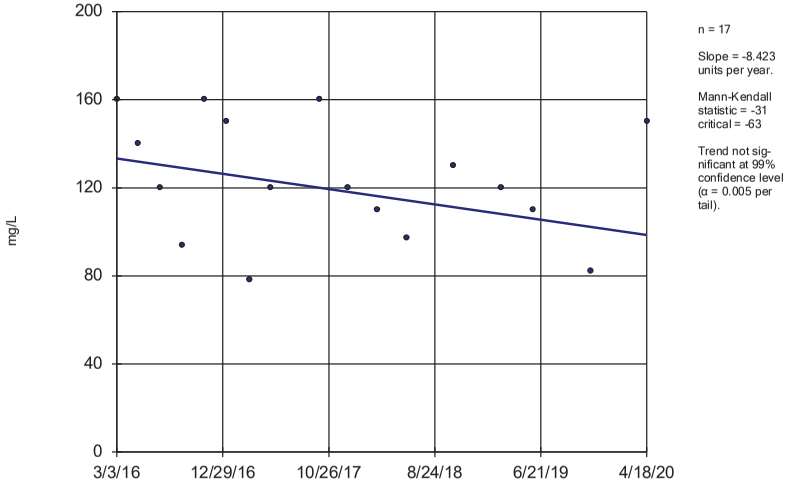
Constituent: Calcium Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-304



n = 17

Slope = -8.423 units per year.

Mann-Kendall statistic = -31
critical = -63

Trend not significant at 99% confidence level (α = 0.005 per tail).

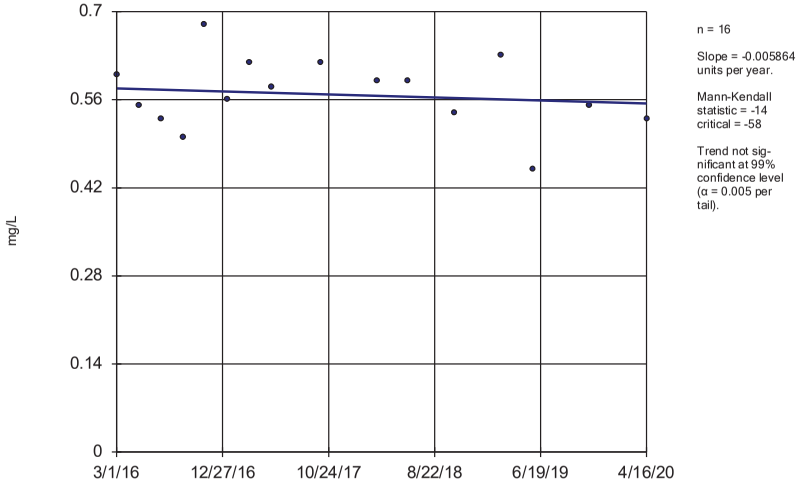
Constituent: Calcium Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-306 (bg)



n = 16

Slope = -0.005864 units per year.

Mann-Kendall statistic = -14
critical = -58

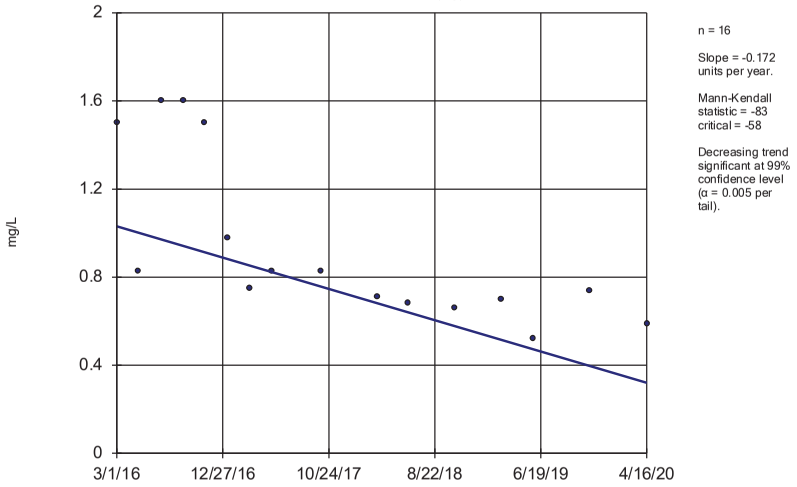
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-307 (bg)



n = 16

Slope = -0.172 units per year.

Mann-Kendall statistic = -83
critical = -58

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

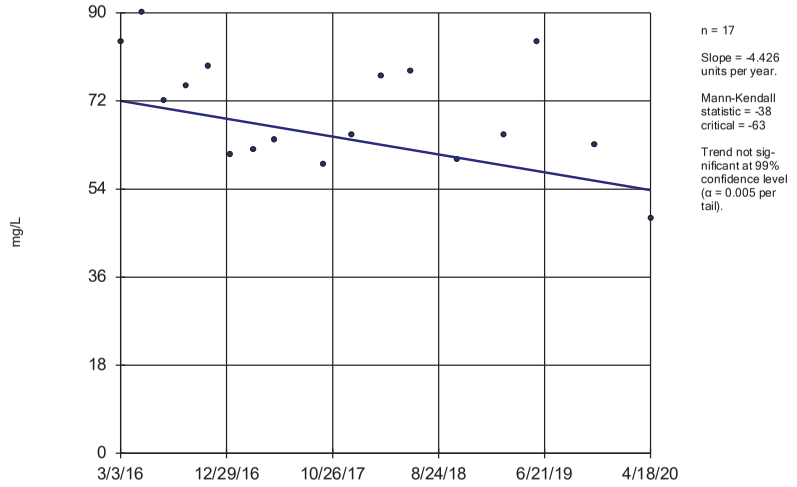
Constituent: Calcium Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-308



n = 17

Slope = -4.426 units per year.

Mann-Kendall statistic = -38
critical = -63

Trend not significant at 99% confidence level (α = 0.005 per tail).

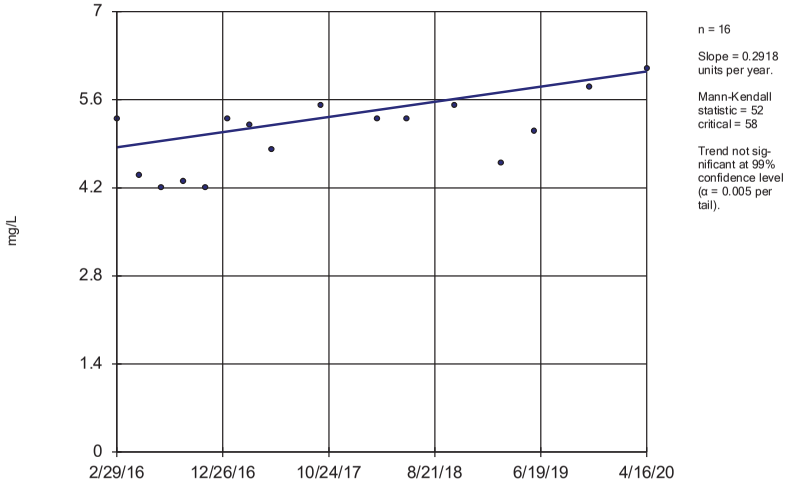
Constituent: Calcium Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-100 (bg)



n = 16

Slope = 0.2918 units per year.

Mann-Kendall statistic = 52
critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

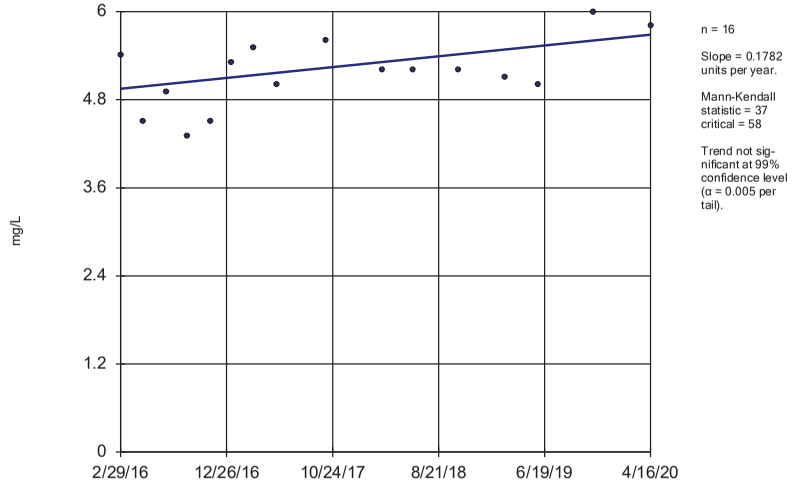
Constituent: Chloride Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-101 (bg)



n = 16

Slope = 0.1782 units per year.

Mann-Kendall statistic = 37
critical = 58

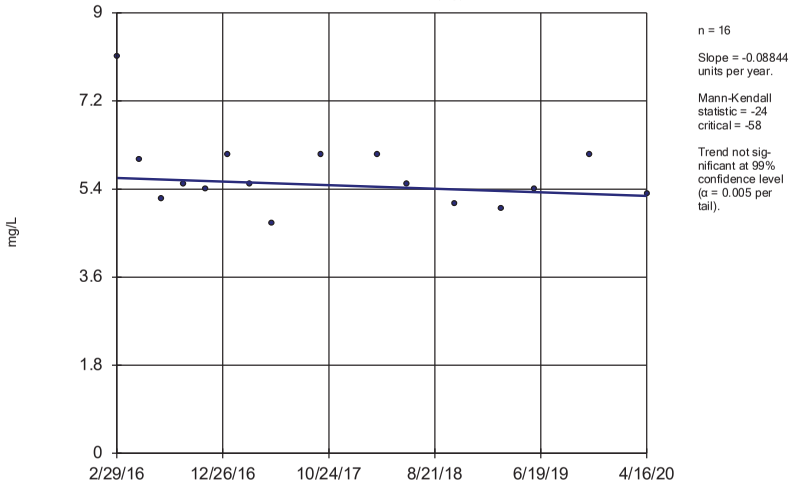
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-107 (bg)



n = 16

Slope = -0.08844 units per year.

Mann-Kendall statistic = -24
critical = -58

Trend not significant at 99% confidence level (α = 0.005 per tail).

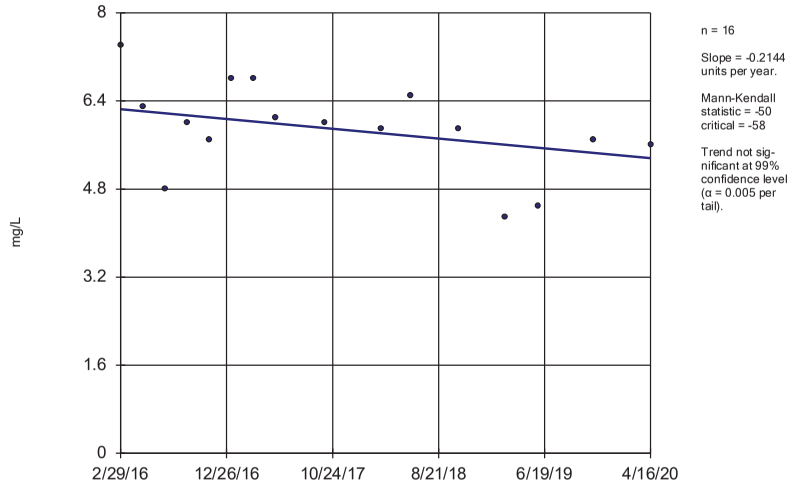
Constituent: Chloride Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-108 (bg)



n = 16

Slope = -0.2144 units per year.

Mann-Kendall statistic = -50
critical = -58

Trend not significant at 99% confidence level (α = 0.005 per tail).

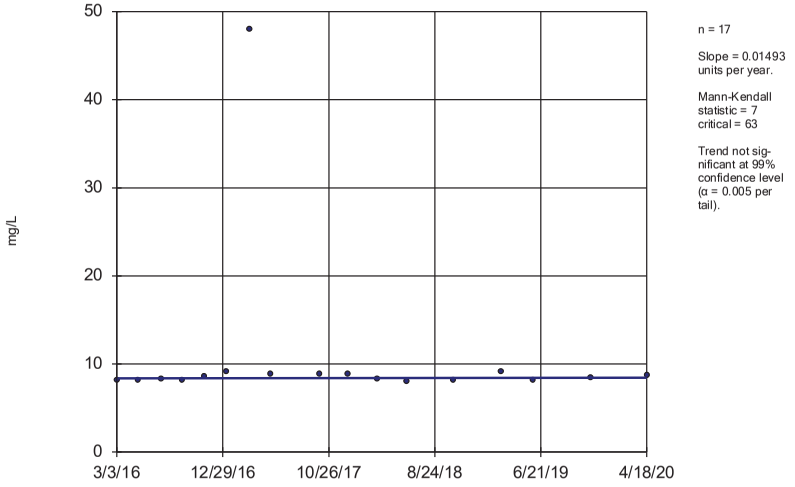
Constituent: Chloride Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-300



n = 17

Slope = 0.01493 units per year.

Mann-Kendall statistic = 7
critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

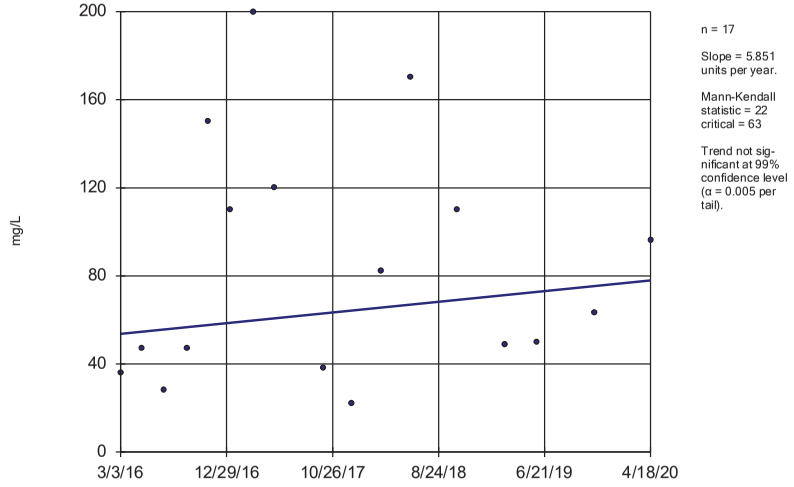
Constituent: Chloride Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-303



n = 17

Slope = 5.851 units per year.

Mann-Kendall statistic = 22
critical = 63

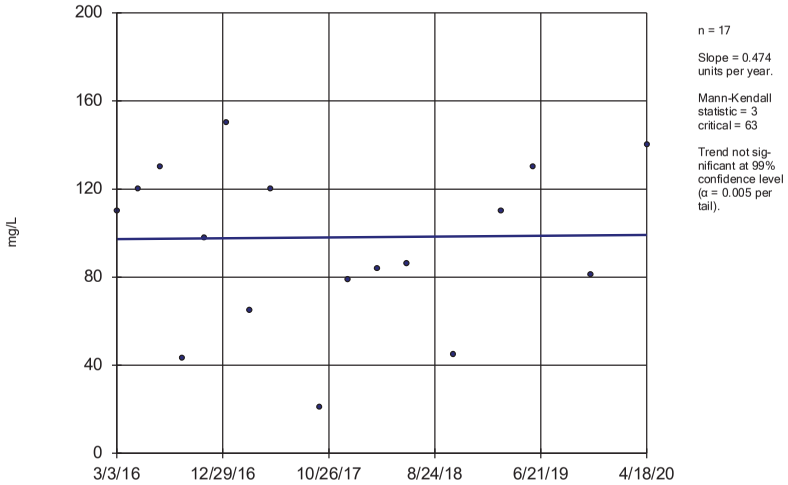
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-304



n = 17

Slope = 0.474 units per year.

Mann-Kendall statistic = 3
critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

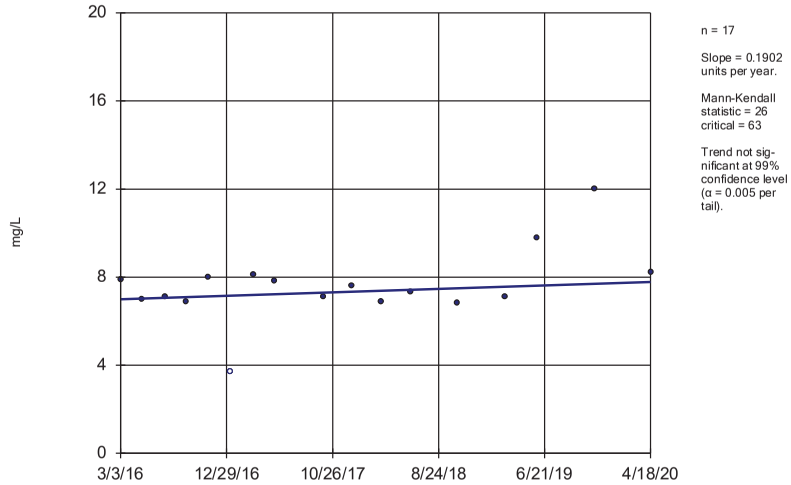
Constituent: Chloride Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-305



n = 17

Slope = 0.1902 units per year.

Mann-Kendall statistic = 26
critical = 63

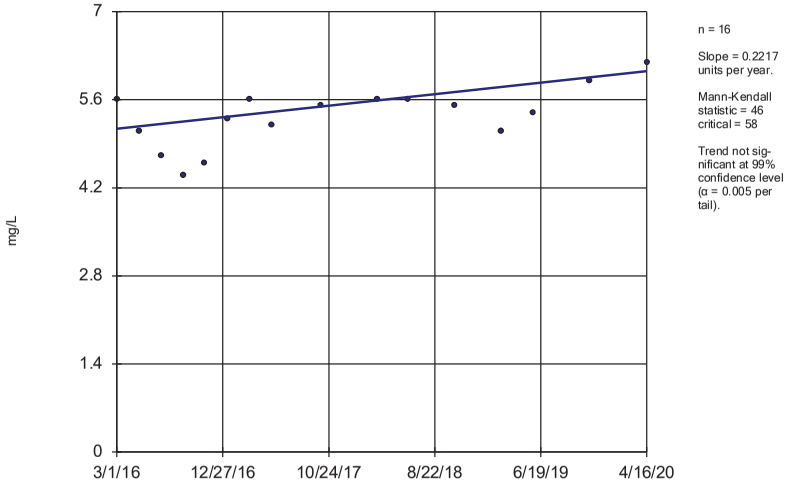
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-306 (bg)



n = 16

Slope = 0.2217 units per year.

Mann-Kendall statistic = 46
critical = 58

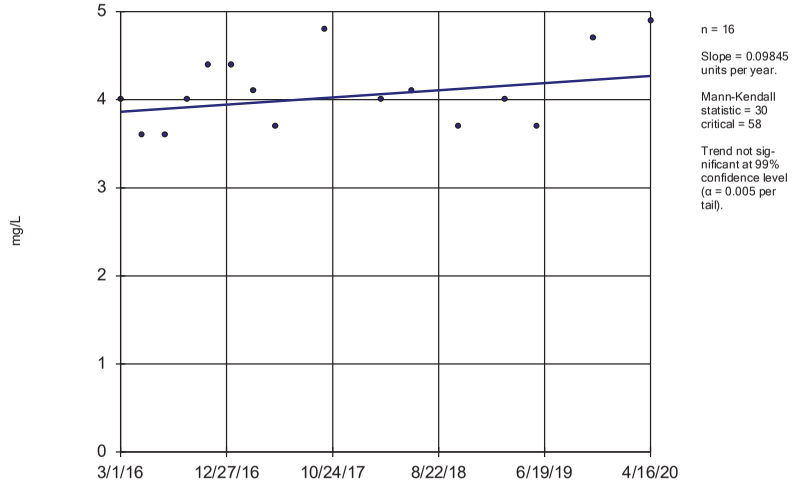
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-307 (bg)



n = 16

Slope = 0.09845 units per year.

Mann-Kendall statistic = 30
critical = 58

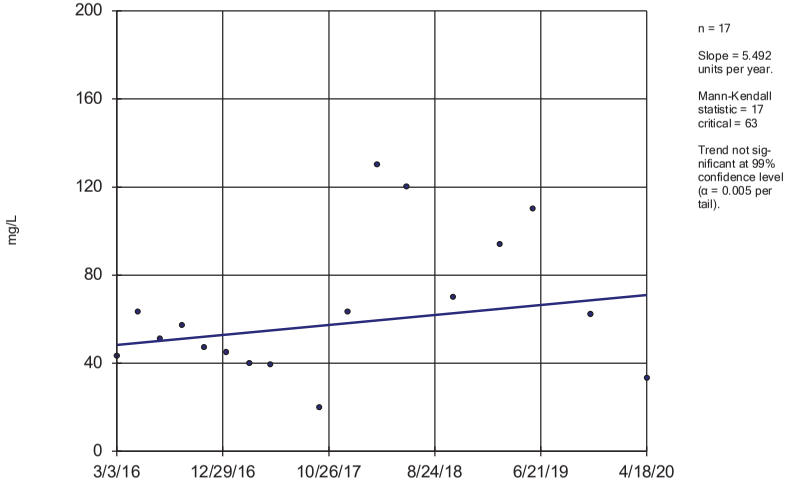
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-308



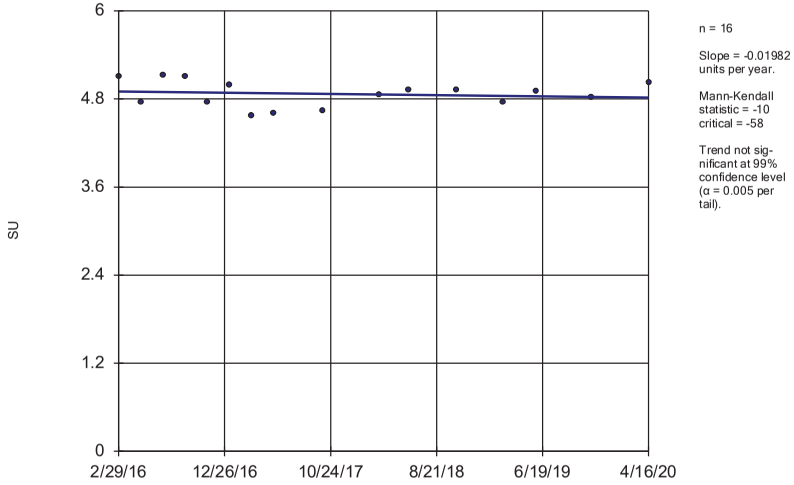
Constituent: Chloride Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

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Sen's Slope Estimator

MW-100 (bg)



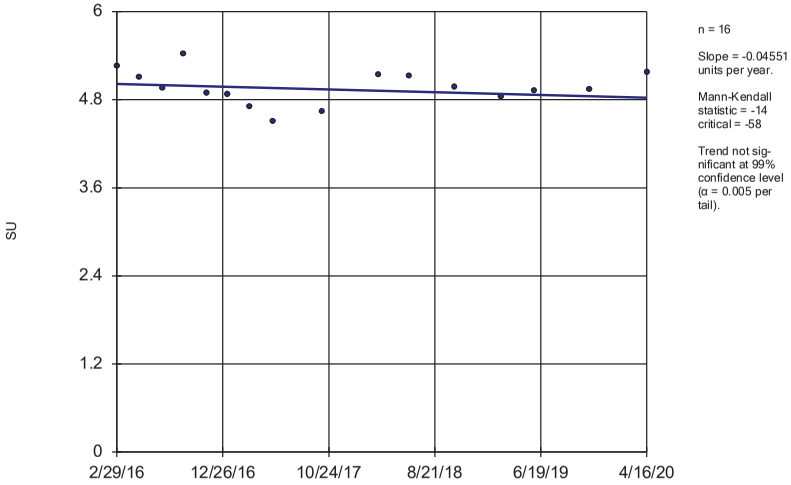
Constituent: Field pH Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-101 (bg)



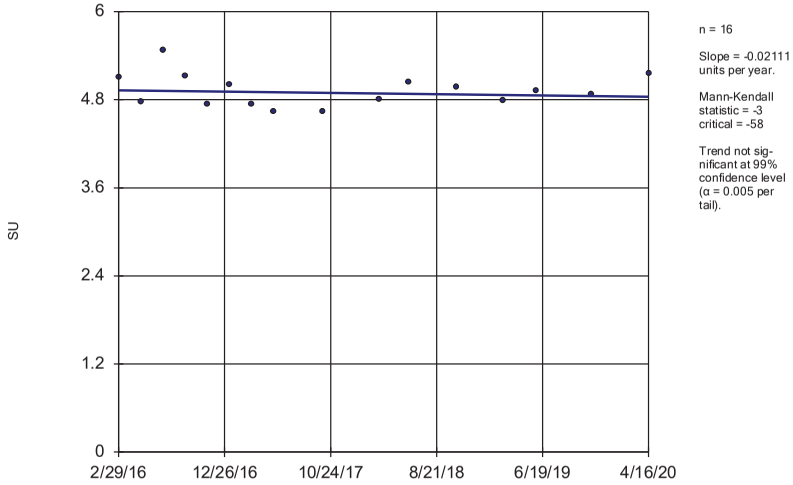
Constituent: Field pH Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-107 (bg)

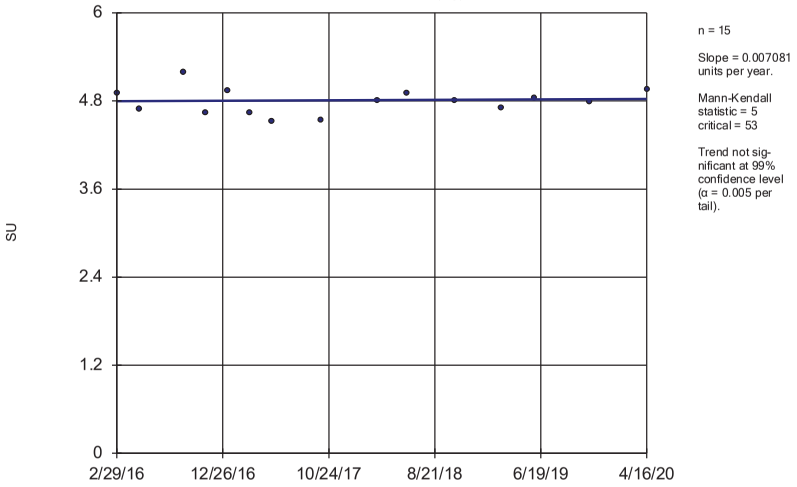


Constituent: Field pH Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-108 (bg)



n = 15

Slope = 0.007081 units per year.

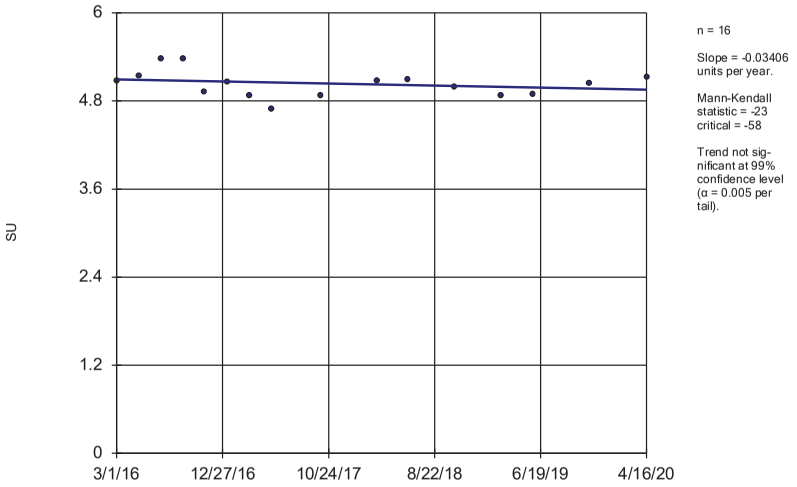
Mann-Kendall statistic = 5
critical = 53

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-306 (bg)



n = 16

Slope = -0.03406 units per year.

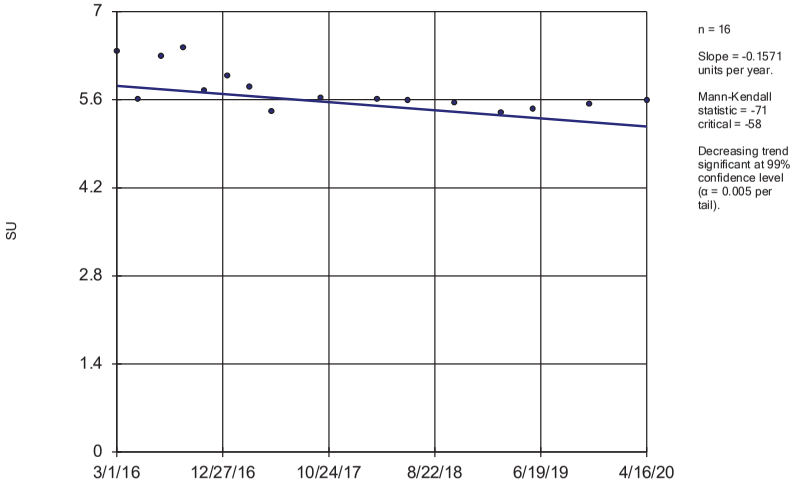
Mann-Kendall statistic = -23
critical = -58

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-307 (bg)



n = 16

Slope = -0.1571 units per year.

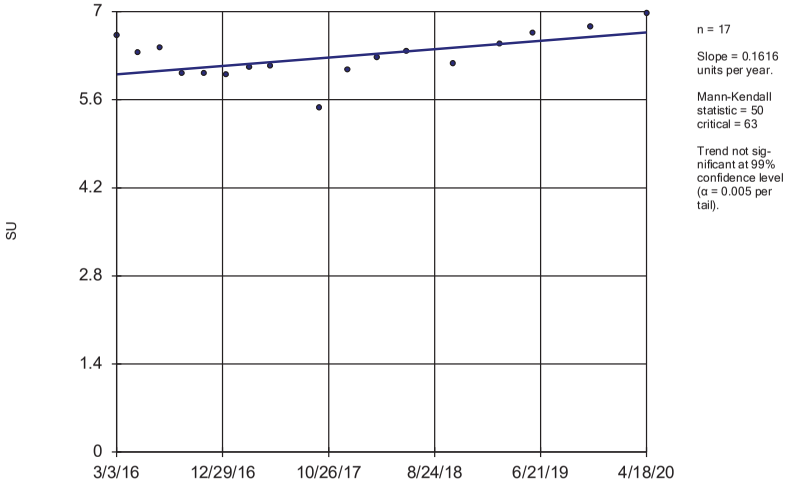
Mann-Kendall statistic = -71
critical = -58

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-308



n = 17

Slope = 0.1616 units per year.

Mann-Kendall statistic = 50
critical = 63

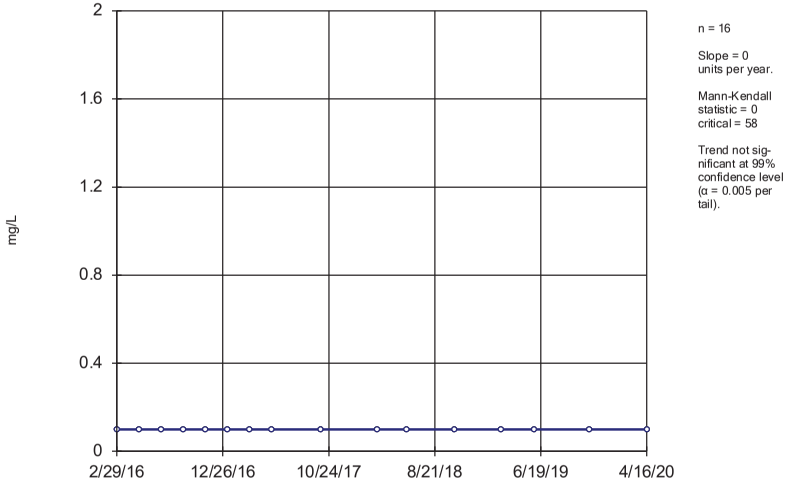
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)

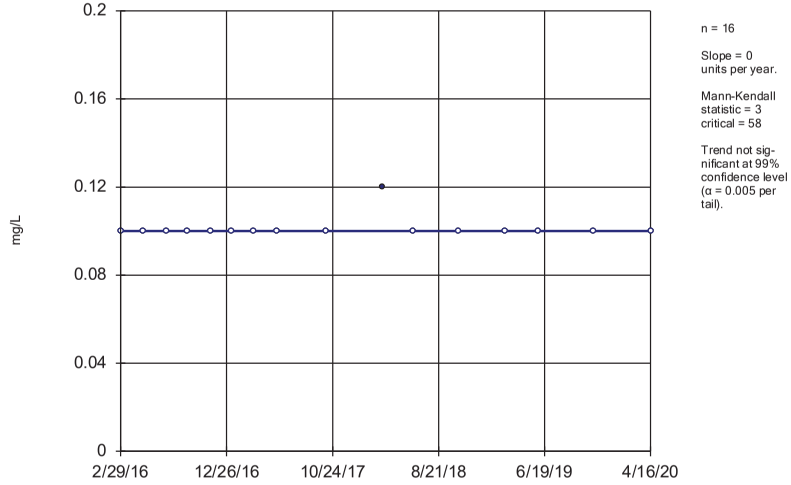


Constituent: Fluoride Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)

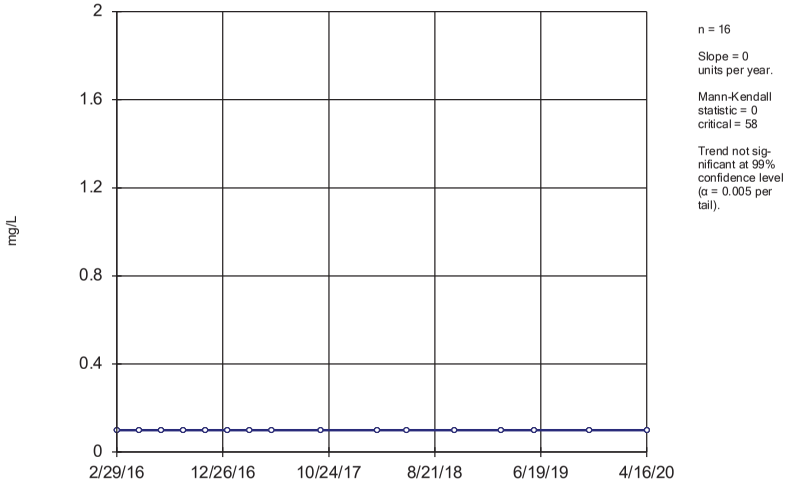


Constituent: Fluoride Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)

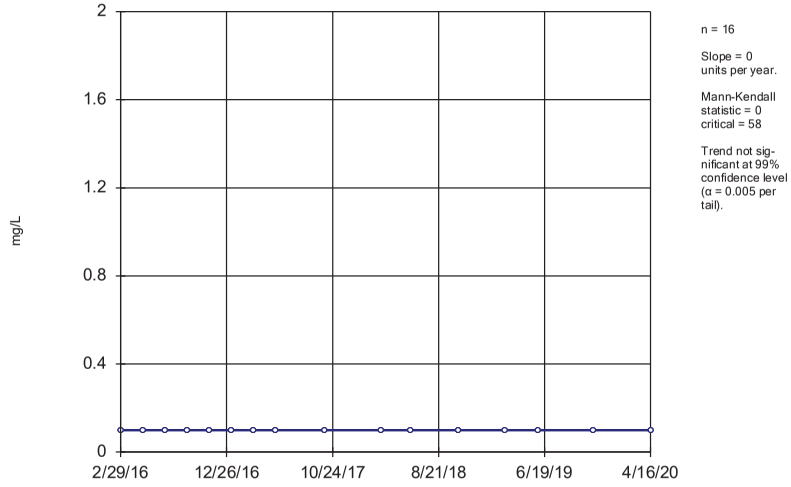


Constituent: Fluoride Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)

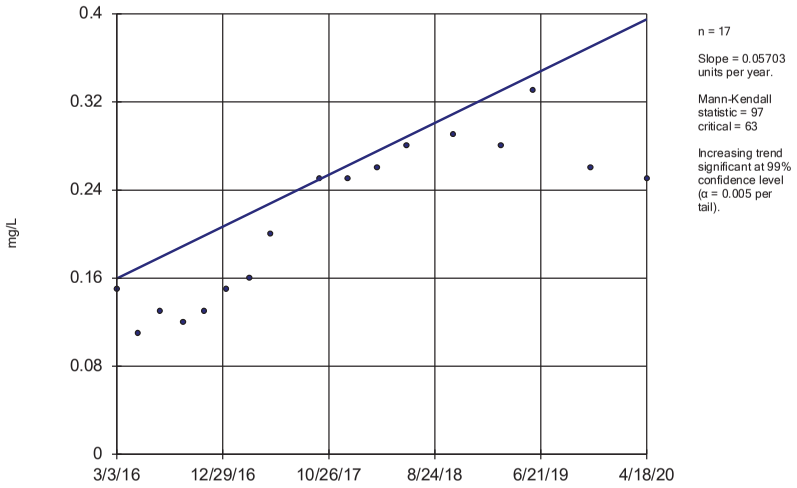


Constituent: Fluoride Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-303



n = 17

Slope = 0.05703 units per year.

Mann-Kendall statistic = 97
critical = 63

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests

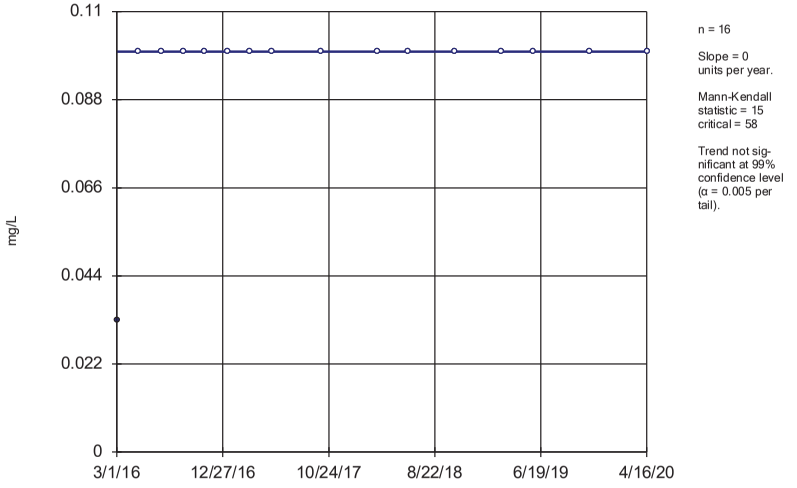
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 15
critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

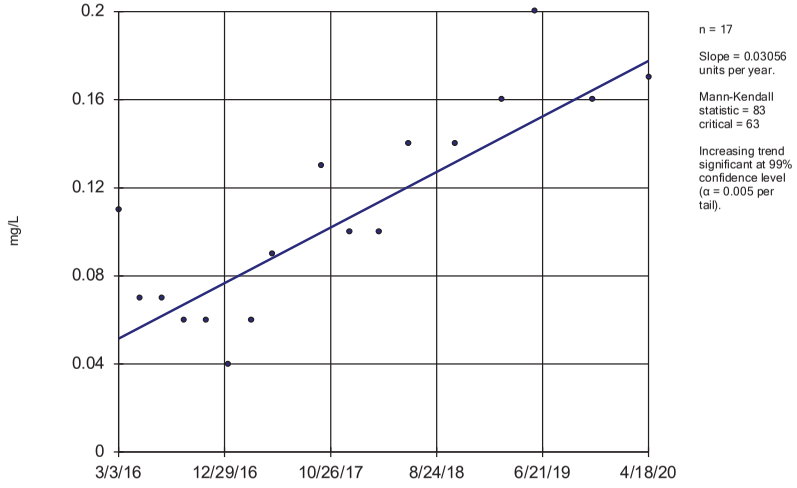
Constituent: Fluoride Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-308



n = 17

Slope = 0.03056 units per year.

Mann-Kendall statistic = 83
critical = 63

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

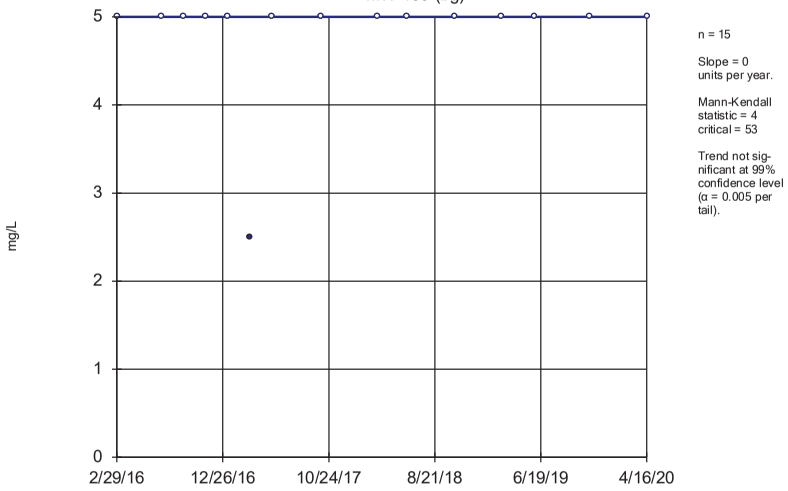
Constituent: Fluoride Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)

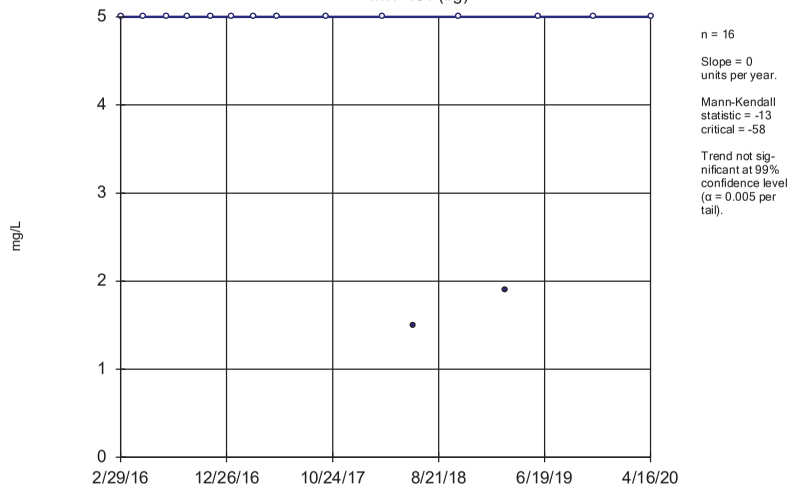


Constituent: Sulfate Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)

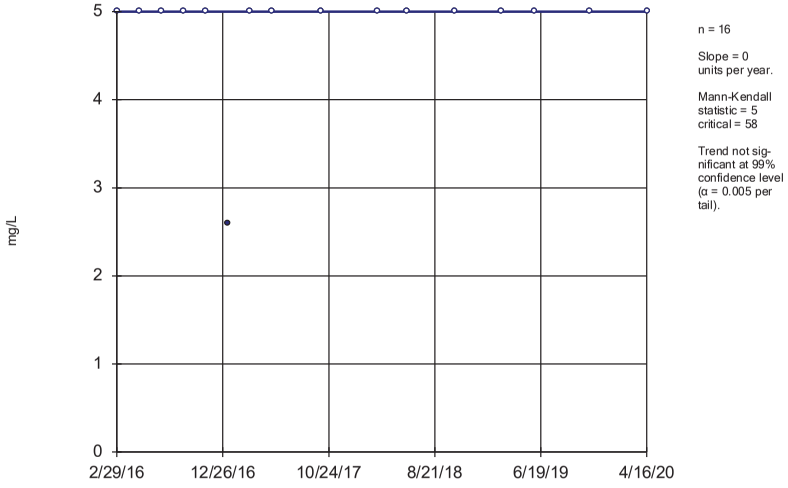


Constituent: Sulfate Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)

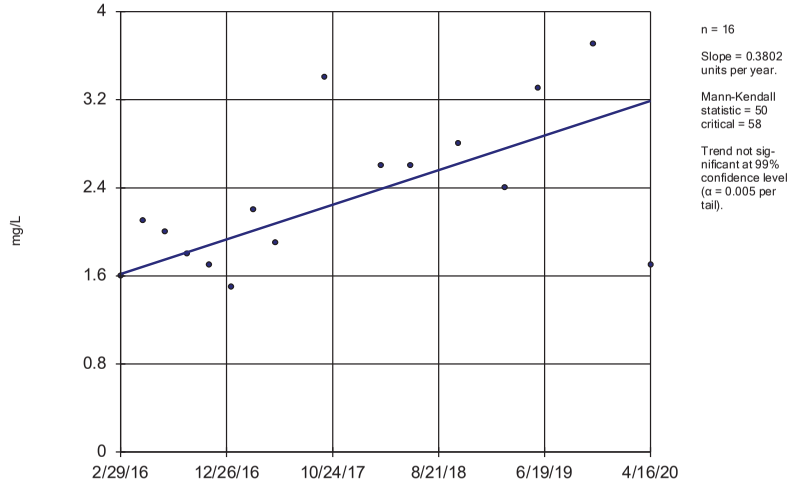


Constituent: Sulfate Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

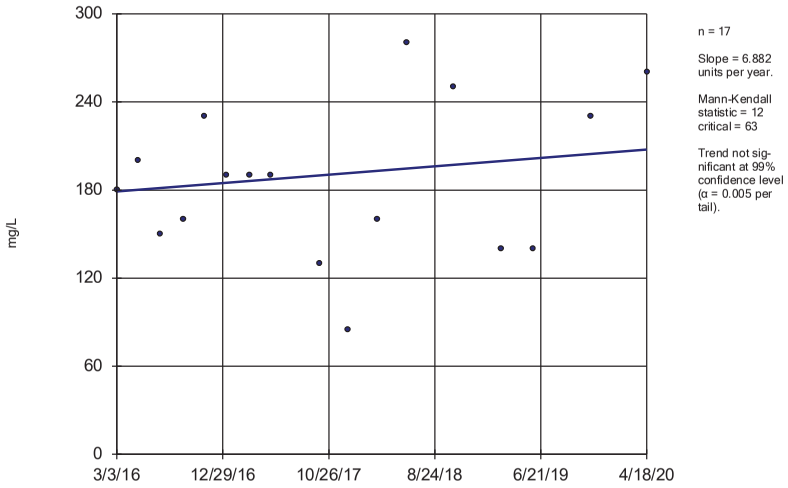
MW-108 (bg)



Constituent: Sulfate Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-303



n = 17

Slope = 6.882 units per year.

Mann-Kendall statistic = 12 critical = 63

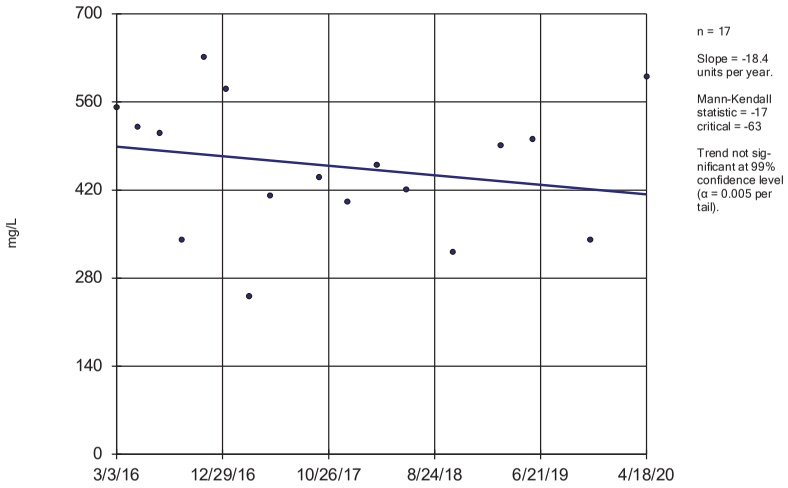
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-304



n = 17

Slope = -18.4 units per year.

Mann-Kendall statistic = -17 critical = -63

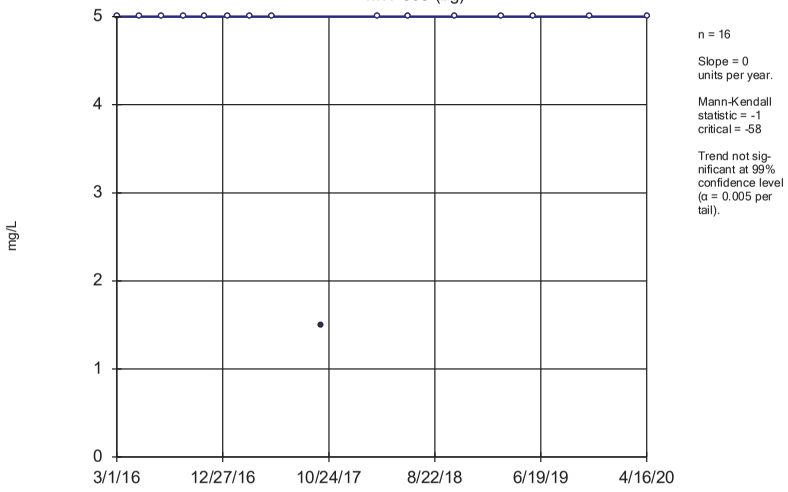
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-306 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = -1 critical = -58

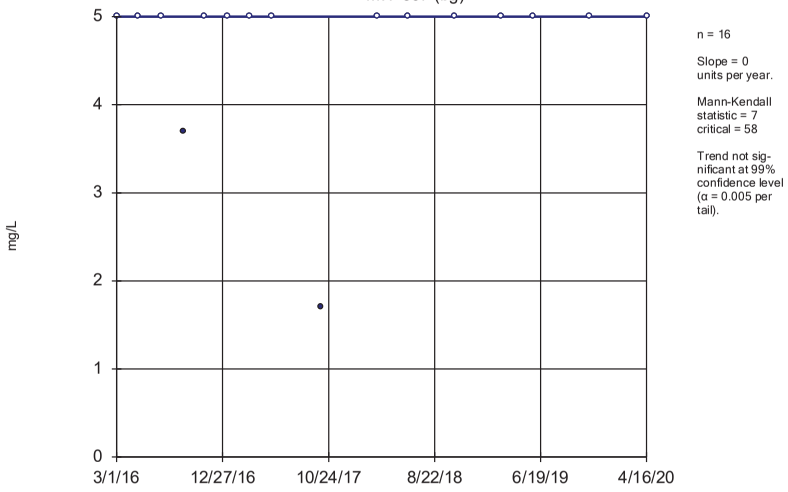
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-307 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 7 critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

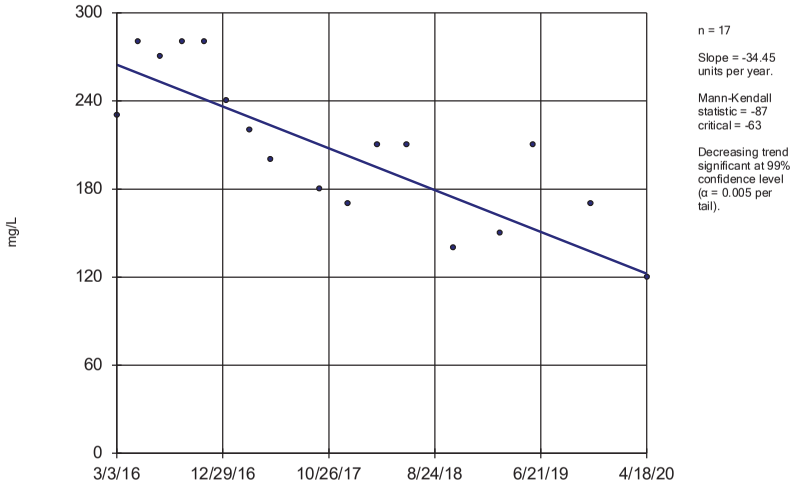
Constituent: Sulfate Analysis Run 6/25/2020 9:29 AM View: 300 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-308



Constituent: Sulfate Analysis Run 6/25/2020 9:30 AM View: 300 Series Trend Tests

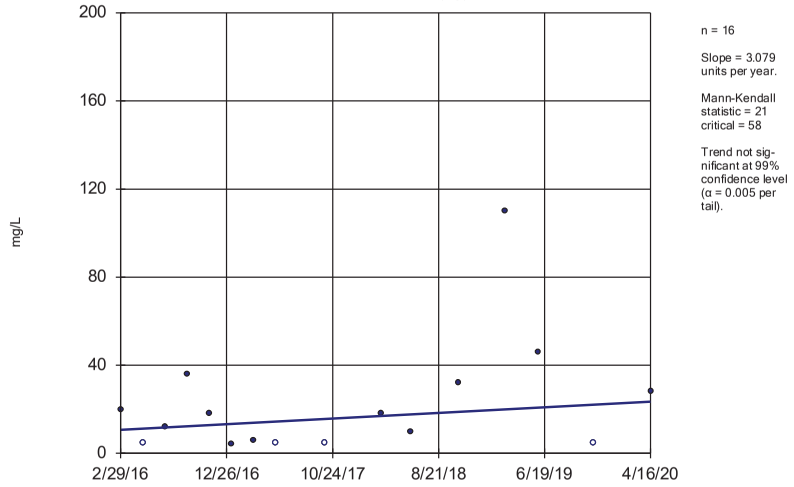
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



Constituent: Total Dissolved Solids Analysis Run 6/25/2020 9:30 AM View: 300 Series Trend Tests

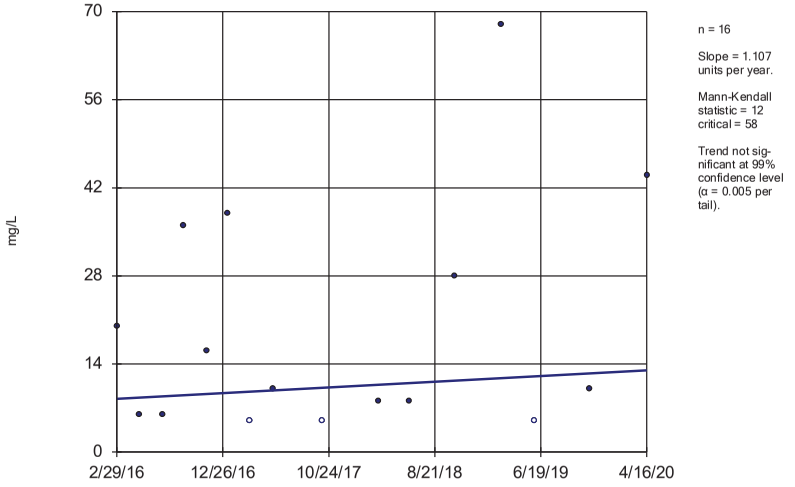
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



Constituent: Total Dissolved Solids Analysis Run 6/25/2020 9:30 AM View: 300 Series Trend Tests

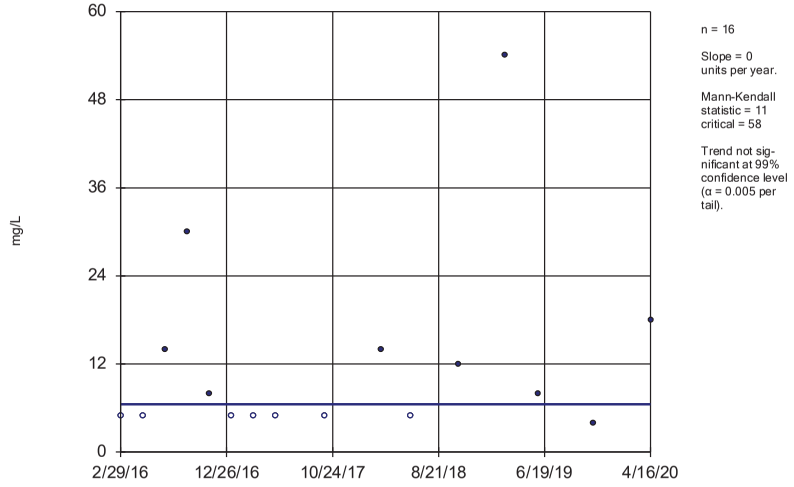
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



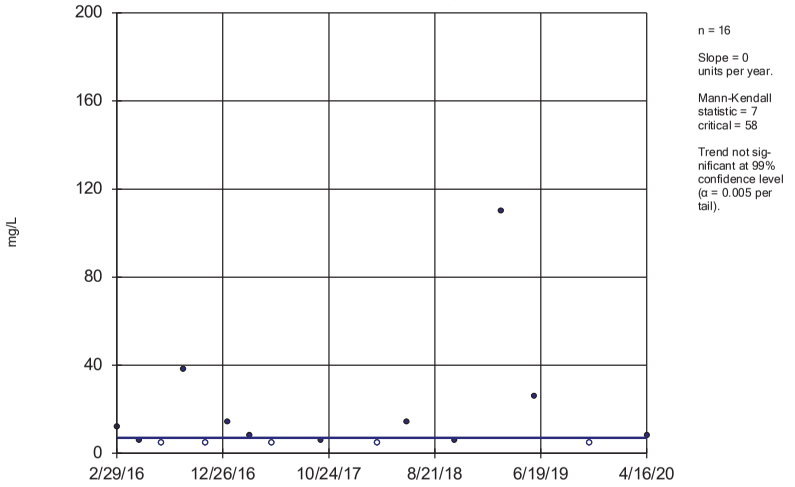
Constituent: Total Dissolved Solids Analysis Run 6/25/2020 9:30 AM View: 300 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)

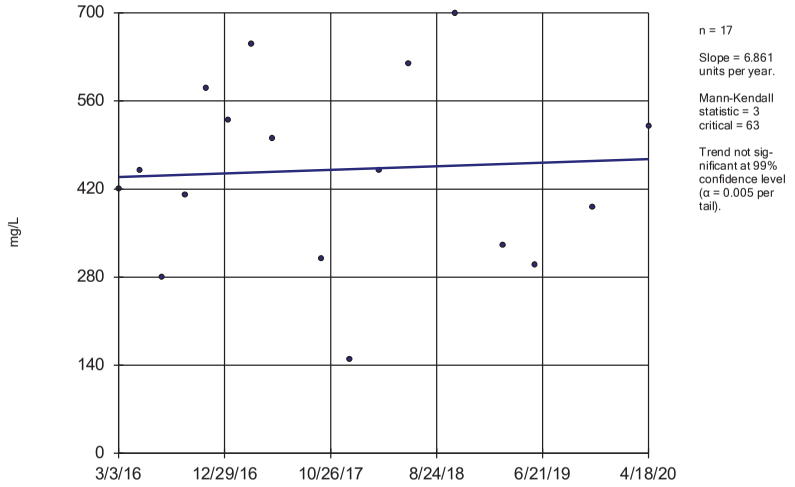


Constituent: Total Dissolved Solids Analysis Run 6/25/2020 9:30 AM View: 300 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-303

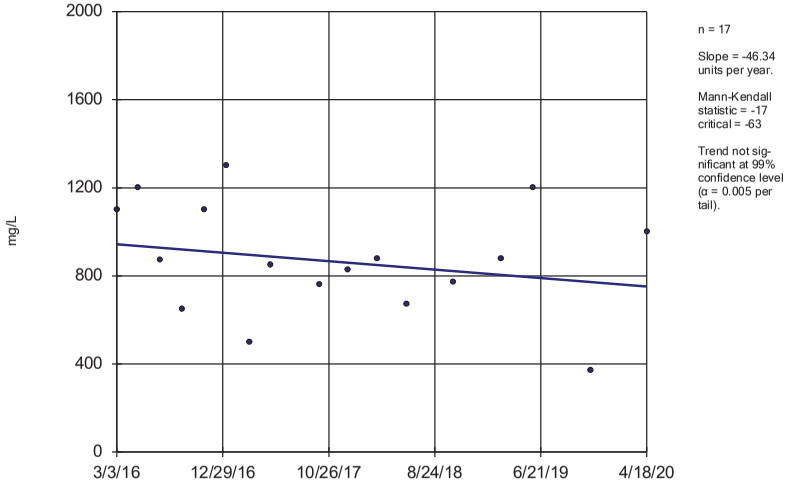


Constituent: Total Dissolved Solids Analysis Run 6/25/2020 9:30 AM View: 300 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-304

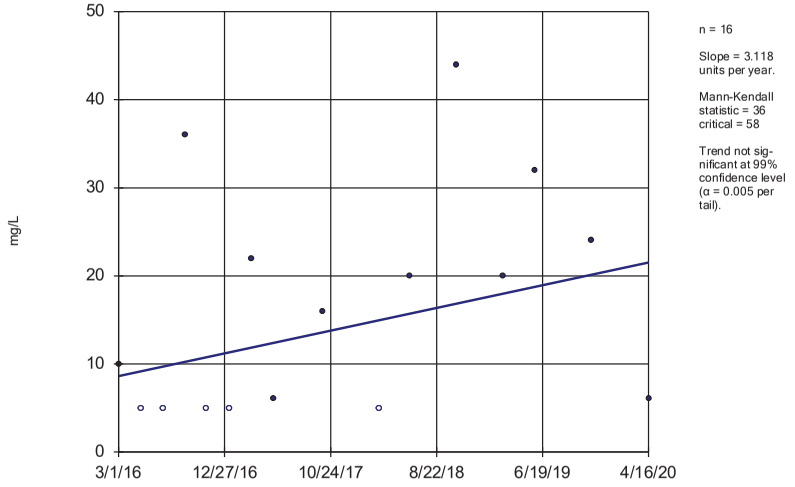


Constituent: Total Dissolved Solids Analysis Run 6/25/2020 9:30 AM View: 300 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)

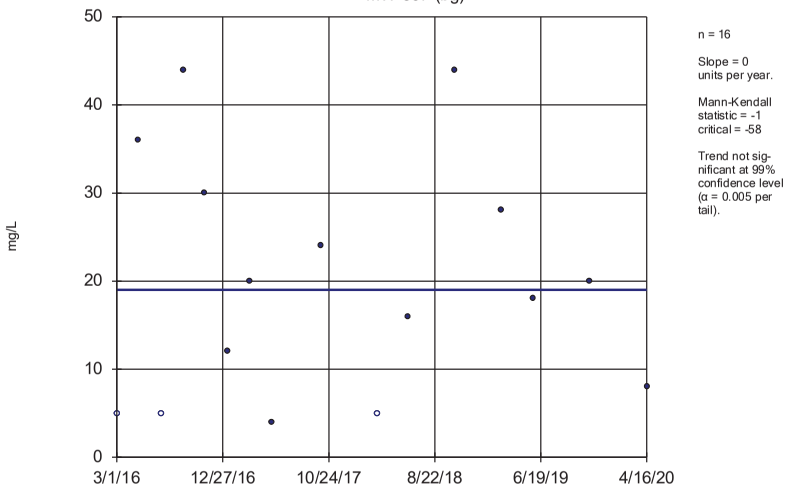


Constituent: Total Dissolved Solids Analysis Run 6/25/2020 9:30 AM View: 300 Series Trend Tests
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



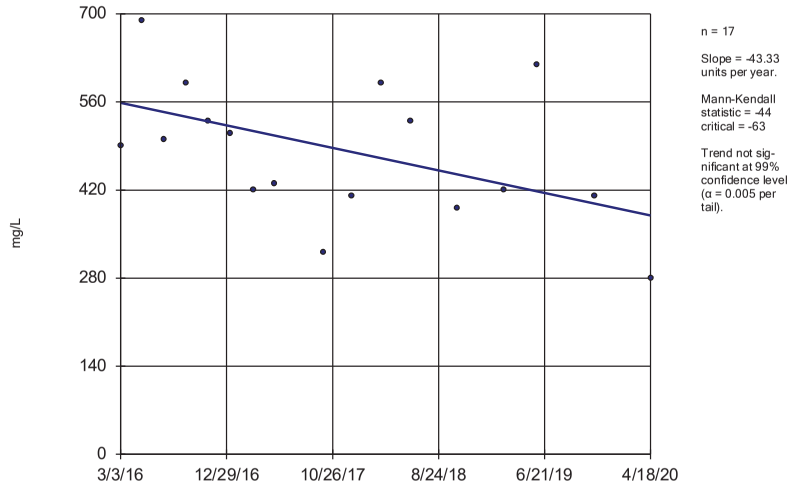
Constituent: Total Dissolved Solids Analysis Run 6/25/2020 9:30 AM View: 300 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-308



Constituent: Total Dissolved Solids Analysis Run 6/25/2020 9:30 AM View: 300 Series Trend Tests

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Confidence Intervals - 100, 200 & 300 Series

100 Series

Confidence Intervals - 100 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/23/2020, 12:29 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	**MW-104**	**0.02151**	**0.01396**	**0.006**	**Yes**	**15**	**0.01773**	**0.005574**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-104**	**18.57**	**12.66**	**5**	**Yes**	**15**	**15.62**	**4.355**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-110**	**7.421**	**5.525**	**5**	**Yes**	**15**	**6.473**	**1.399**	**0**	**None**	**No**	**0.01**	**Param.**
Mercury (mg/L)	**MW-110**	**0.006132**	**0.003513**	**0.002**	**Yes**	**15**	**0.004823**	**0.001933**	**0**	**None**	**No**	**0.01**	**Param.**

Confidence Intervals - 100 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/23/2020, 12:29 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-102	0.0025	0.0025	0.006	No	12	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-103	0.0025	0.0025	0.006	No	12	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-104	0.0025	0.0025	0.006	No	12	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-105	0.0025	0.0025	0.006	No	12	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-106	0.0025	0.0025	0.006	No	12	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-109	0.0025	0.0025	0.006	No	12	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-110	0.0025	0.0025	0.006	No	12	0.0025	0	100	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-102	0.0005	0.00025	0.01	No	15	0.0002667	0.00006455	93.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-103	0.00051	0.00019	0.01	No	15	0.0002633	0.00006997	86.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-104	0.007773	0.002899	0.01	No	15	0.005336	0.003597	6.667	None	No	0.01	Param.
Arsenic (mg/L)	MW-105	0.004398	0.003602	0.01	No	15	0.004	0.000588	0	None	No	0.01	Param.
Arsenic (mg/L)	MW-106	0.00025	0.00025	0.01	No	15	0.00025	0	100	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-109	0.00025	0.00025	0.01	No	15	0.00025	3.1e-12	93.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-110	0.00051	0.0002	0.01	No	15	0.0003313	0.0001522	53.33	None	No	0.01	NP (NDs)
Barium (mg/L)	MW-102	0.011	0.009003	2	No	15	0.01005	0.00149	0	None	ln(x)	0.01	Param.
Barium (mg/L)	MW-103	0.06212	0.04624	2	No	15	0.05293	0.01452	0	None	x^2	0.01	Param.
Barium (mg/L)	MW-104	0.0258	0.0198	2	No	15	0.0228	0.004427	0	None	No	0.01	Param.
Barium (mg/L)	MW-105	0.04894	0.03813	2	No	15	0.04353	0.007981	0	None	No	0.01	Param.
Barium (mg/L)	MW-106	0.015	0.0096	2	No	15	0.01101	0.002082	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-109	0.02135	0.01785	2	No	15	0.0196	0.002586	0	None	No	0.01	Param.
Barium (mg/L)	MW-110	0.04754	0.03633	2	No	15	0.04193	0.008268	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-102	0.0005	0.00011	0.004	No	15	0.000474	0.0001007	93.33	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-103	0.0005	0.0005	0.004	No	15	0.0005	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-104	0.001227	0.0008285	0.004	No	15	0.001028	0.0002944	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-105	0.0005	0.0005	0.004	No	15	0.0005	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-106	0.0005	0.0005	0.004	No	15	0.0005	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-109	0.0005	0.000044	0.004	No	15	0.0004696	0.0001177	93.33	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-110	0.0005	0.00013	0.004	No	15	0.0004476	0.0001386	86.67	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-102	0.0005	0.0005	0.005	No	15	0.0005	0	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-103	0.0005	0.0005	0.005	No	15	0.0005	0	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-104	0.00052	0.00044	0.005	No	15	0.0005027	0.00008779	46.67	None	No	0.01	NP (normality)
Cadmium (mg/L)	MW-105	0.0005	0.0005	0.005	No	15	0.0005	0	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-106	0.0005	0.0005	0.005	No	15	0.0005	0	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-109	0.0005	0.000078	0.005	No	15	0.0004719	0.000109	93.33	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-110	0.0005	0.00032	0.005	No	15	0.000462	0.0001078	86.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-102	0.0028	0.00037	0.1	No	15	0.0006447	0.0005972	86.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-103	0.0011	0.00028	0.1	No	15	0.0008227	0.001225	73.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-104	0.0023	0.0005	0.1	No	15	0.001647	0.0006937	20	None	No	0.01	NP (normality)
Chromium (mg/L)	MW-105	0.002615	0.001975	0.1	No	15	0.002247	0.0005878	6.667	None	x^2	0.01	Param.
Chromium (mg/L)	MW-106	0.0005	0.0005	0.1	No	15	0.0005	0	100	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-109	0.0005	0.0005	0.1	No	15	0.0005	0	100	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-110	0.0005	0.00042	0.1	No	15	0.000488	0.00003189	86.67	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-102	0.0025	0.00023	0.006	No	15	0.002193	0.0008112	86.67	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-103	0.0025	0.00041	0.006	No	15	0.00169	0.001044	60	None	No	0.01	NP (NDs)
Cobalt (mg/L)	**MW-104**	**0.02151**	**0.01396**	**0.006**	**Yes**	**15**	**0.01773**	**0.005574**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	MW-105	0.0025	0.00087	0.006	No	15	0.002249	0.0006682	86.67	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-106	0.0025	0.0004	0.006	No	15	0.0009413	0.000822	20	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-109	0.0071	0.0038	0.006	No	15	0.00487	0.002019	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-110	0.019	0.0043	0.006	No	15	0.00962	0.006769	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	MW-102	1.888	1.199	5	No	15	1.564	0.5477	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-103	7.073	4.841	5	No	15	5.957	1.647	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**MW-104**	**18.57**	**12.66**	**5**	**Yes**	**15**	**15.62**	**4.355**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	MW-105	4.536	2.727	5	No	15	3.631	1.335	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-106	1.235	0.6831	5	No	15	0.9891	0.4802	6.667	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-109	2.358	1.519	5	No	15	1.939	0.6192	0	None	No	0.01	Param.

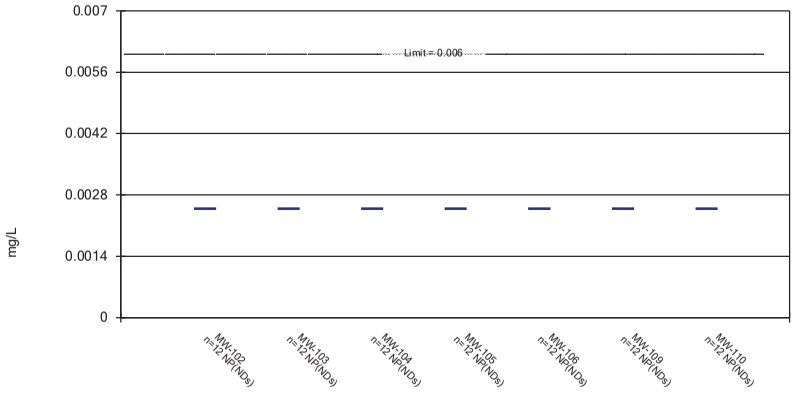
Confidence Intervals - 100 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/23/2020, 12:29 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-110**	**7.421**	**5.525**	**5**	**Yes**	**15**	**6.473**	**1.399**	**0**	**None**	**No**	**0.01**	**Param.**
Fluoride (mg/L)	MW-102	0.1	0.1	4	No	16	0.1	0	100	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-103	0.1	0.037	4	No	16	0.09606	0.01575	93.75	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-104	0.3604	0.2419	4	No	17	0.3012	0.09453	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-105	0.1	0.041	4	No	16	0.08506	0.02672	75	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-106	0.1	0.1	4	No	16	0.1	0	100	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-109	0.1	0.1	4	No	16	0.1	0	100	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-110	0.1	0.04	4	No	16	0.07744	0.03008	62.5	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-102	0.00025	0.00018	0.015	No	15	0.000238	0.00003256	86.67	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-103	0.00025	0.00011	0.015	No	15	0.0002407	0.00003615	93.33	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-104	0.002435	0.001819	0.015	No	15	0.002127	0.0004543	0	None	No	0.01	Param.
Lead (mg/L)	MW-105	0.00091	0.00012	0.015	No	15	0.0002853	0.000176	86.67	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-106	0.00039	0.00025	0.015	No	15	0.0002593	0.00003615	93.33	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-109	0.00067	0.00011	0.015	No	15	0.0002583	0.0001252	80	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-110	0.0003	0.00025	0.015	No	15	0.0002667	0.00003697	80	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-102	0.0012	0.0009	0.04	No	15	0.001033	0.0001175	80	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-103	0.0021	0.00097	0.04	No	15	0.001511	0.0008075	46.67	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-104	0.03714	0.02113	0.04	No	15	0.02913	0.01181	0	None	No	0.01	Param.
Lithium (mg/L)	MW-105	0.001	0.00039	0.04	No	15	0.0009593	0.0001575	93.33	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-106	0.0012	0.00068	0.04	No	15	0.001554	0.001729	60	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-109	0.006715	0.005036	0.04	No	15	0.005907	0.001312	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	MW-110	0.01062	0.007355	0.04	No	15	0.008987	0.002408	0	None	No	0.01	Param.
Mercury (mg/L)	MW-102	0.0002	0.000094	0.002	No	15	0.0001859	0.0000373	86.67	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-103	0.00062	0.00012	0.002	No	15	0.0002227	0.0001118	86.67	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-104	0.001386	0.0007159	0.002	No	15	0.001079	0.0005394	0	None	sqrt(x)	0.01	Param.
Mercury (mg/L)	MW-105	0.0002	0.0002	0.002	No	15	0.0002	0	100	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-106	0.0002	0.00008	0.002	No	15	0.000192	0.00003098	93.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-109	0.0012	0.000097	0.002	No	15	0.0004598	0.0008017	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	**MW-110**	**0.006132**	**0.003513**	**0.002**	**Yes**	**15**	**0.004823**	**0.001933**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	MW-102	0.003	0.003	0.1	No	15	0.003	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-103	0.003	0.003	0.1	No	15	0.003	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-104	0.003	0.003	0.1	No	15	0.003	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-105	0.005166	0.003321	0.1	No	15	0.00432	0.001598	0	None	x^(1/3)	0.01	Param.
Molybdenum (mg/L)	MW-106	0.003	0.003	0.1	No	15	0.003	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-109	0.003	0.003	0.1	No	15	0.003	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-110	0.003	0.003	0.1	No	15	0.003	0	100	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-102	0.00028	0.00019	0.05	No	15	0.0003007	0.0001946	73.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-103	0.003009	0.001864	0.05	No	15	0.002437	0.0008448	6.667	None	No	0.01	Param.
Selenium (mg/L)	MW-104	0.0129	0.005154	0.05	No	15	0.009027	0.005714	0	None	No	0.01	Param.
Selenium (mg/L)	MW-105	0.00041	0.00025	0.05	No	15	0.0003187	0.0001041	53.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-106	0.00025	0.00025	0.05	No	15	0.00025	0	100	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-109	0.00025	0.00024	0.05	No	15	0.000246	0.00001298	86.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-110	0.003632	0.003168	0.05	No	15	0.0034	0.0003423	0	None	No	0.01	Param.
Thallium (mg/L)	MW-102	0.00021	0.0001	0.002	No	15	0.0001073	0.0000284	93.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-103	0.0001	0.000026	0.002	No	15	0.00009507	0.00001911	93.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-104	0.0003387	0.000228	0.002	No	15	0.0002833	0.00008165	0	None	No	0.01	Param.
Thallium (mg/L)	MW-105	0.00024	0.0001	0.002	No	15	0.0001093	0.00003615	93.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-106	0.0001	0.0001	0.002	No	15	0.0001	0	100	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-109	0.0001	0.0001	0.002	No	15	0.0001	0	100	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-110	0.0002877	0.0002296	0.002	No	15	0.0002587	0.00004291	0	None	No	0.01	Param.

Non-Parametric Confidence Interval

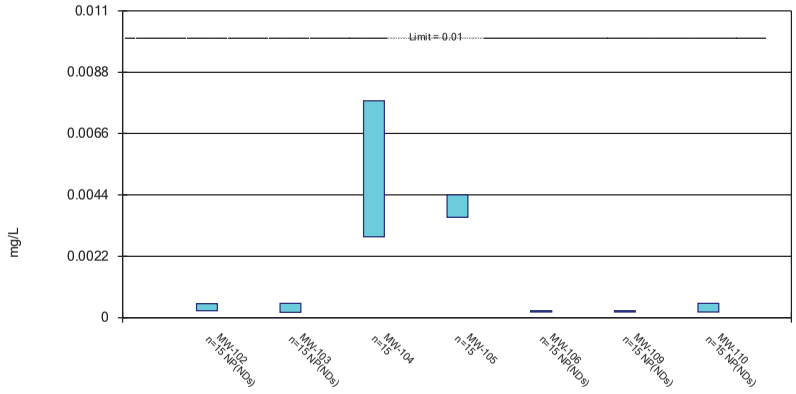
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Antimony Analysis Run 6/23/2020 12:28 PM View: 100 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

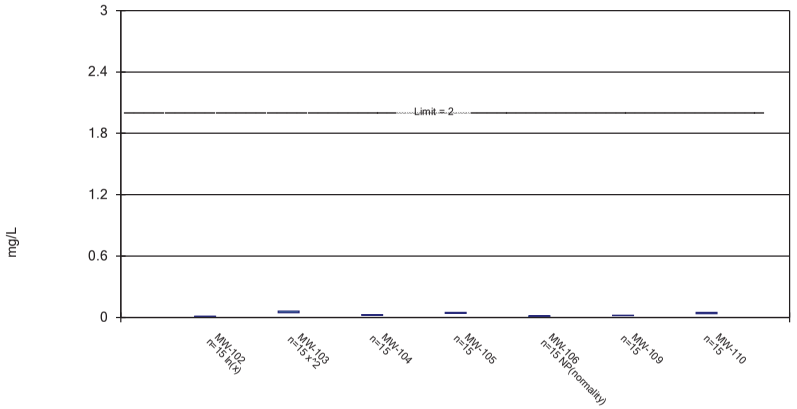
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 6/23/2020 12:28 PM View: 100 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

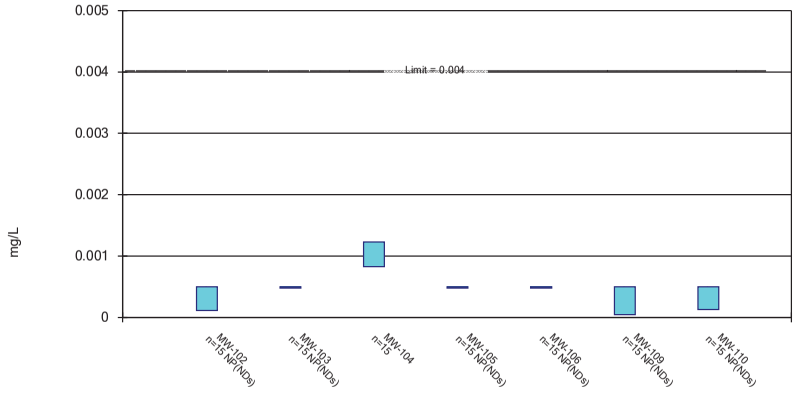
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 6/23/2020 12:28 PM View: 100 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

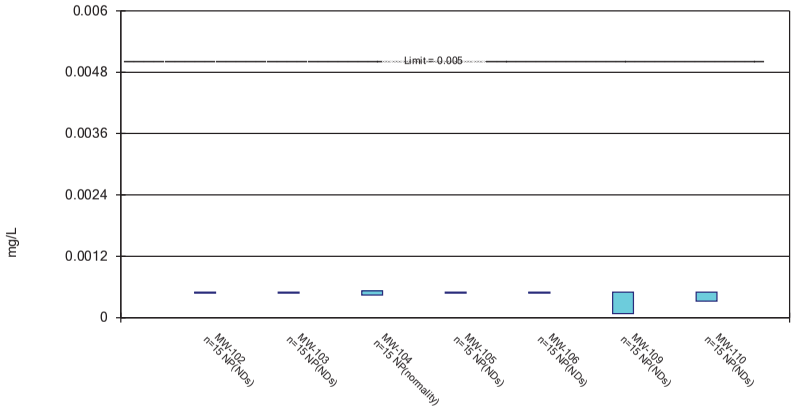
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Beryllium Analysis Run 6/23/2020 12:28 PM View: 100 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Non-Parametric Confidence Interval

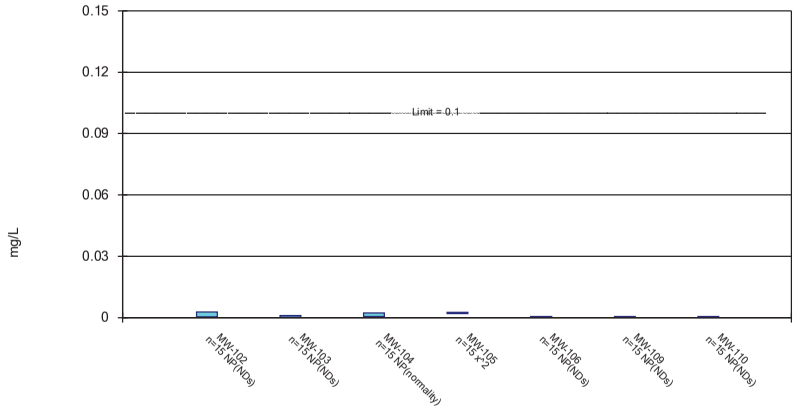
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Cadmium Analysis Run 6/23/2020 12:28 PM View: 100 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

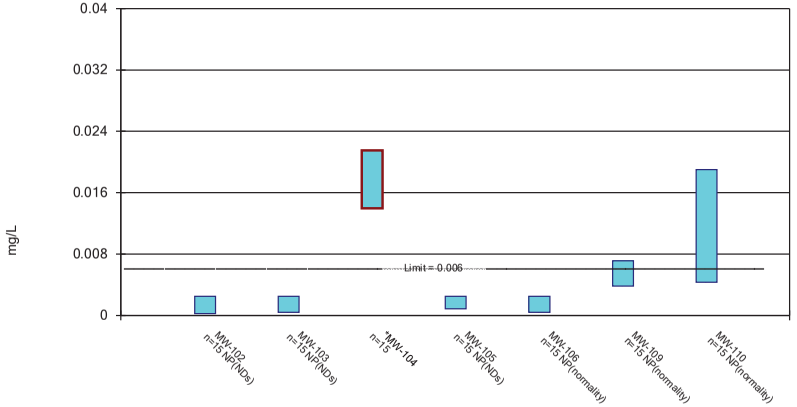
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chromium Analysis Run 6/23/2020 12:28 PM View: 100 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

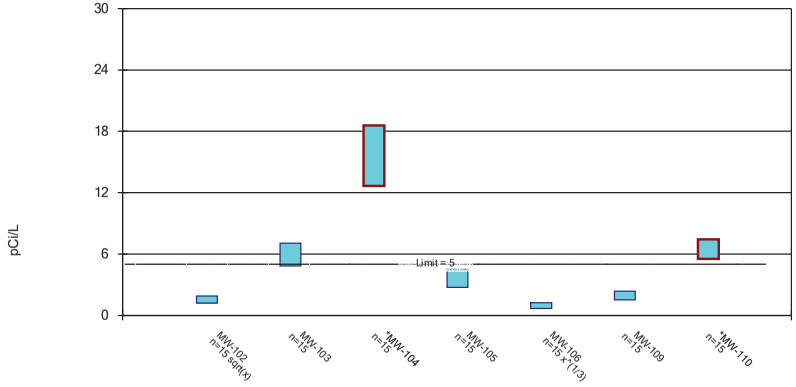
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 6/23/2020 12:28 PM View: 100 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric Confidence Interval

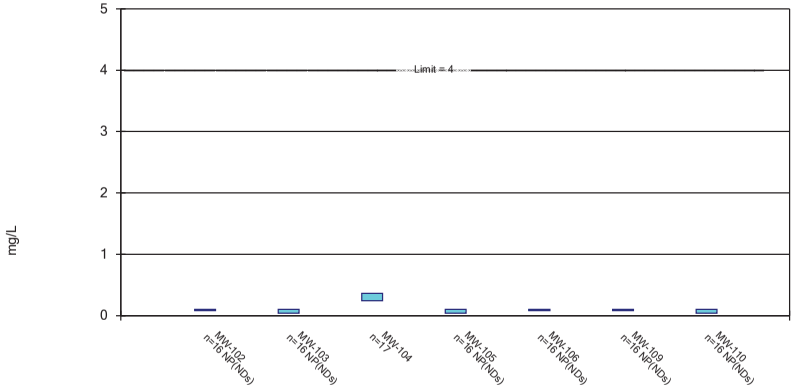
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 6/23/2020 12:28 PM View: 100 Series Confidenc
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

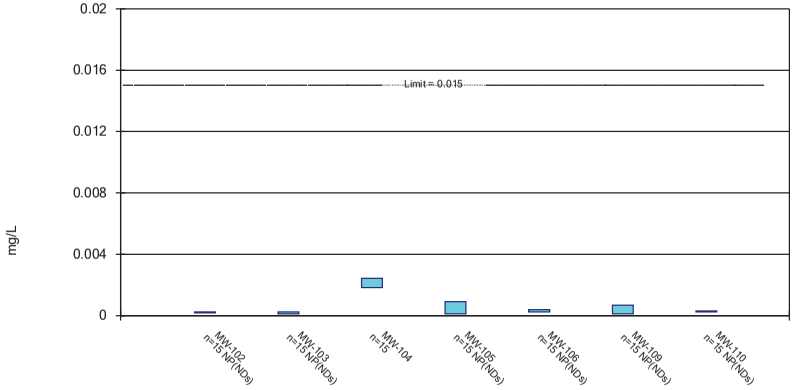


Constituent: Fluoride Analysis Run 6/23/2020 12:28 PM View: 100 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

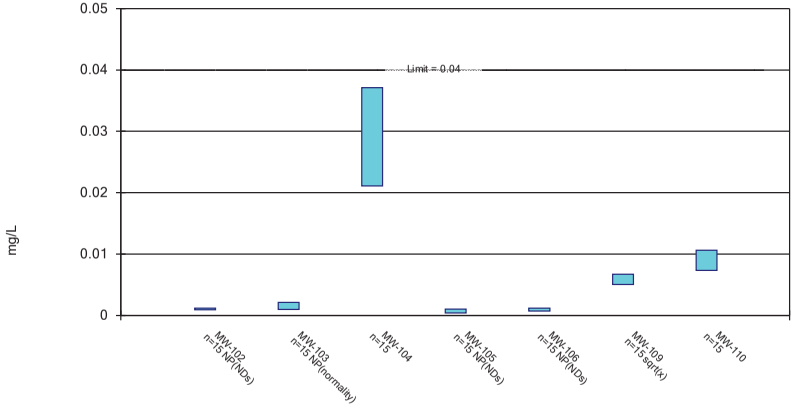


Constituent: Lead Analysis Run 6/23/2020 12:28 PM View: 100 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

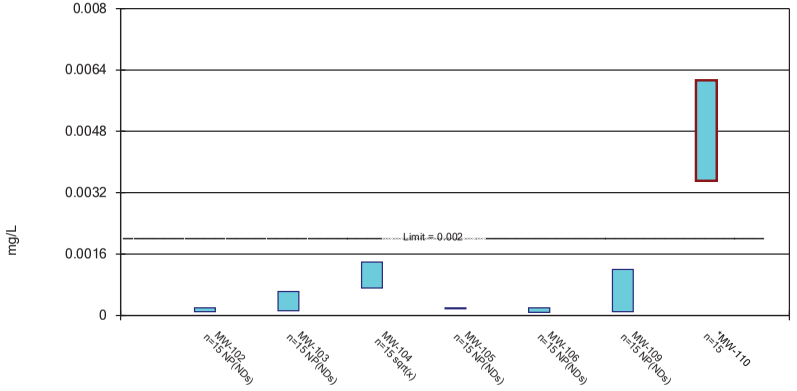


Constituent: Lithium Analysis Run 6/23/2020 12:28 PM View: 100 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

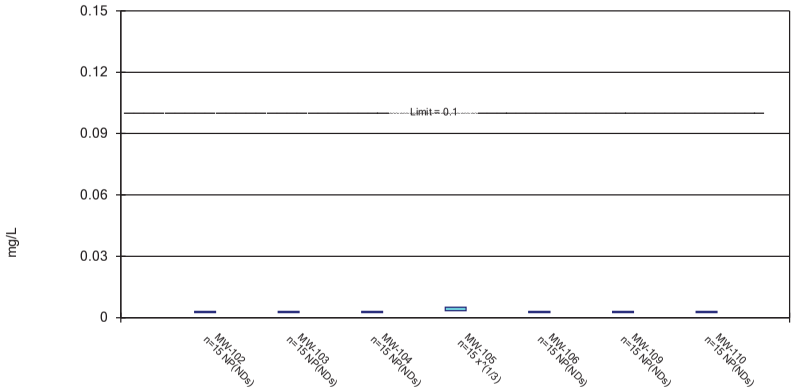
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Mercury Analysis Run 6/23/2020 12:28 PM View: 100 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist 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.

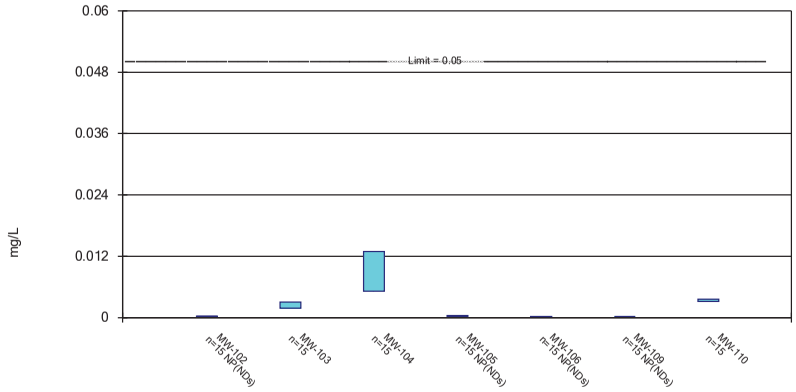


Constituent: Molybdenum Analysis Run 6/23/2020 12:28 PM View: 100 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

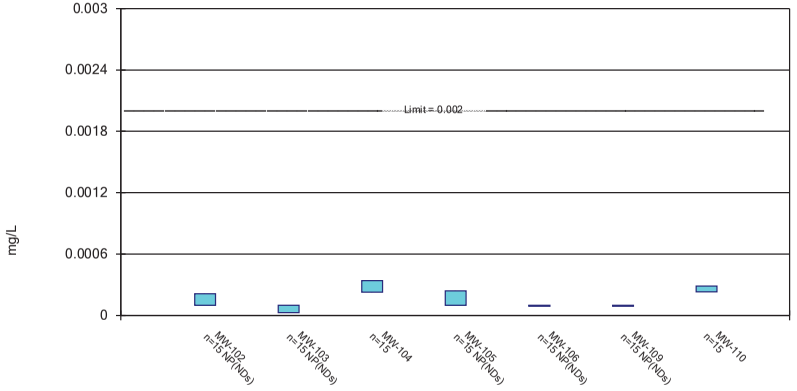


Constituent: Selenium Analysis Run 6/23/2020 12:28 PM View: 100 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 6/23/2020 12:28 PM View: 100 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

200 Series

Confidence Intervals - 200 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/23/2020, 12:45 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-200**	**17.8**	**8.54**	**5**	**Yes**	**15**	**13.17**	**6.834**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-201**	**22.8**	**6.52**	**5**	**Yes**	**15**	**13.73**	**8.204**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Combined Radium 226 + 228 (pCi/L)	**MW-206**	**30.5**	**14.05**	**5**	**Yes**	**15**	**22.27**	**12.14**	**0**	**None**	**No**	**0.01**	**Param.**

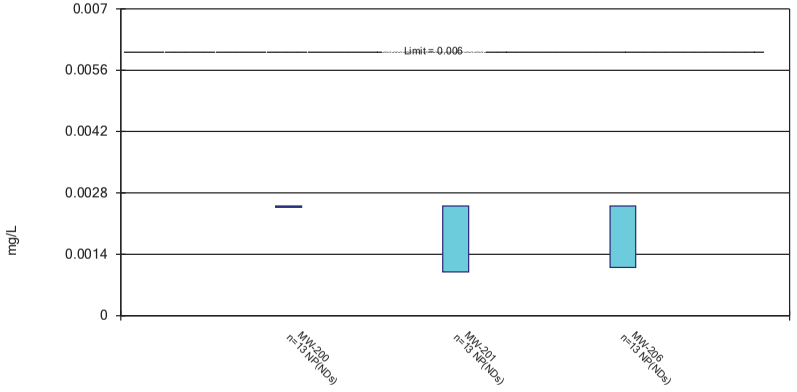
Confidence Intervals - 200 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/23/2020, 12:45 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-200	0.0025	0.0025	0.006	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-201	0.0025	0.001	0.006	No	13	0.002269	0.0005633	84.62	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-206	0.0025	0.0011	0.006	No	13	0.002392	0.0003883	92.31	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-200	0.003001	0.0007444	0.01	No	15	0.002068	0.00186	6.667	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	MW-201	0.0068	0.000125	0.01	No	15	0.002812	0.003402	33.33	None	No	0.01	NP (normality)
Arsenic (mg/L)	MW-206	0.01058	0.002596	0.01	No	15	0.007283	0.006512	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	MW-200	0.06673	0.03781	2	No	15	0.05227	0.02134	0	None	No	0.01	Param.
Barium (mg/L)	MW-201	0.06965	0.03555	2	No	15	0.0526	0.02516	0	None	No	0.01	Param.
Barium (mg/L)	MW-206	0.1125	0.06188	2	No	15	0.08721	0.03738	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-200	0.0025	0.000045	0.004	No	15	0.002336	0.0006339	93.33	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-201	0.0025	0.000069	0.004	No	15	0.002338	0.0006277	93.33	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-206	0.0025	0.00048	0.004	No	15	0.001933	0.0009794	73.33	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-200	0.0025	0.00091	0.005	No	14	0.002101	0.0008	78.57	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-201	0.014	0.002	0.005	No	15	0.006787	0.00569	6.667	None	No	0.01	NP (normality)
Cadmium (mg/L)	MW-206	0.0031	0.00055	0.005	No	15	0.001848	0.001092	0	None	No	0.01	NP (normality)
Chromium (mg/L)	MW-200	0.0005	0.0005	0.1	No	12	0.0005	0	100	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-201	0.0005	0.0005	0.1	No	12	0.0005	0	100	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-206	0.0026	0.0005	0.1	No	12	0.000675	0.0006062	91.67	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-200	0.001801	0.0008581	0.006	No	15	0.001479	0.0006495	20	Kaplan-Meier	No	0.01	Param.
Cobalt (mg/L)	MW-201	0.003079	0.001488	0.006	No	15	0.002357	0.001328	6.667	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	MW-206	0.004913	0.00235	0.006	No	15	0.003631	0.001891	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**MW-200**	**17.8**	**8.54**	**5**	**Yes**	**15**	**13.17**	**6.834**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-201**	**22.8**	**6.52**	**5**	**Yes**	**15**	**13.73**	**8.204**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Combined Radium 226 + 228 (pCi/L)	**MW-206**	**30.5**	**14.05**	**5**	**Yes**	**15**	**22.27**	**12.14**	**0**	**None**	**No**	**0.01**	**Param.**
Fluoride (mg/L)	MW-200	0.1	0.05	4	No	16	0.08313	0.06201	18.75	None	No	0.01	NP (normality)
Fluoride (mg/L)	MW-201	0.7717	0.4895	4	No	17	0.6306	0.2252	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-206	0.08341	0.05144	4	No	17	0.06876	0.02648	5.882	None	sqrt(x)	0.01	Param.
Lead (mg/L)	MW-200	0.001449	0.000788	0.015	No	15	0.001119	0.000488	13.33	None	No	0.01	Param.
Lead (mg/L)	MW-201	0.0013	0.00061	0.015	No	15	0.001095	0.0003561	73.33	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-206	0.01	0.0011	0.015	No	15	0.005958	0.003938	0	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-200	0.0024	0.001	0.04	No	15	0.001807	0.002322	73.33	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-201	0.008046	0.002491	0.04	No	15	0.006607	0.008166	13.33	None	ln(x)	0.01	Param.
Lithium (mg/L)	MW-206	0.0012	0.001	0.04	No	15	0.00104	0.0001121	86.67	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-200	0.002366	0.001114	0.002	No	15	0.00174	0.0009231	0	None	No	0.01	Param.
Mercury (mg/L)	MW-201	0.0026	0.00032	0.002	No	15	0.001437	0.001043	0	None	No	0.01	NP (normality)
Mercury (mg/L)	MW-206	0.0005009	0.0001775	0.002	No	15	0.0003553	0.0002907	20	Kaplan-Meier	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	MW-200	0.0078	0.003	0.1	No	13	0.003369	0.001331	92.31	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-201	0.003	0.0015	0.1	No	13	0.002885	0.000416	92.31	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-206	0.003	0.00092	0.1	No	13	0.00284	0.0005769	92.31	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-200	0.01309	0.005564	0.05	No	15	0.009733	0.005671	0	None	sqrt(x)	0.01	Param.
Selenium (mg/L)	MW-201	0.01279	0.004885	0.05	No	15	0.00884	0.005836	0	None	No	0.01	Param.
Selenium (mg/L)	MW-206	0.01917	0.0133	0.05	No	15	0.01623	0.00433	0	None	No	0.01	Param.
Thallium (mg/L)	MW-200	0.000334	0.0001185	0.002	No	15	0.0002132	0.0001739	26.67	Kaplan-Meier	sqrt(x)	0.01	Param.
Thallium (mg/L)	MW-201	0.0004346	0.0002054	0.002	No	15	0.00032	0.0001691	0	None	No	0.01	Param.
Thallium (mg/L)	MW-206	0.0008338	0.0004617	0.002	No	15	0.000604	0.0003094	0	None	x^2	0.01	Param.

Non-Parametric Confidence Interval

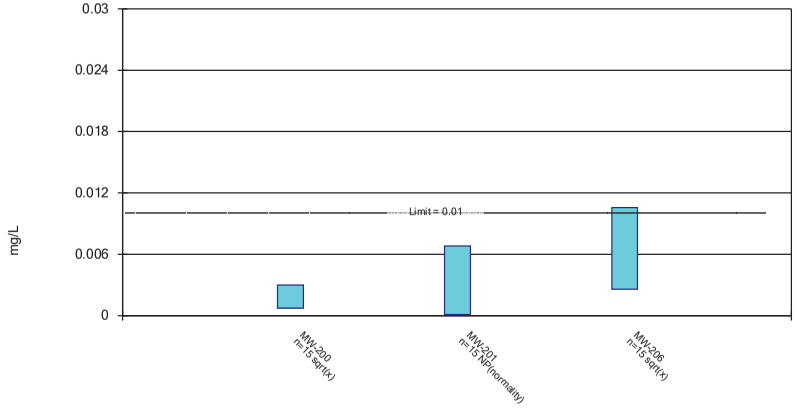
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Antimony Analysis Run 6/23/2020 12:43 PM View: 200 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

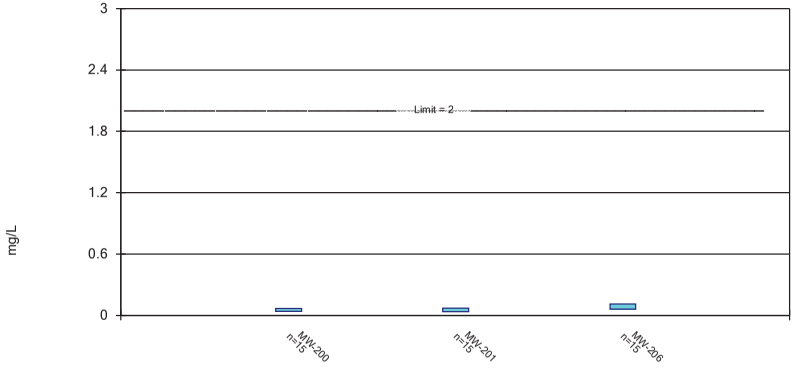
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 6/23/2020 12:43 PM View: 200 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric Confidence Interval

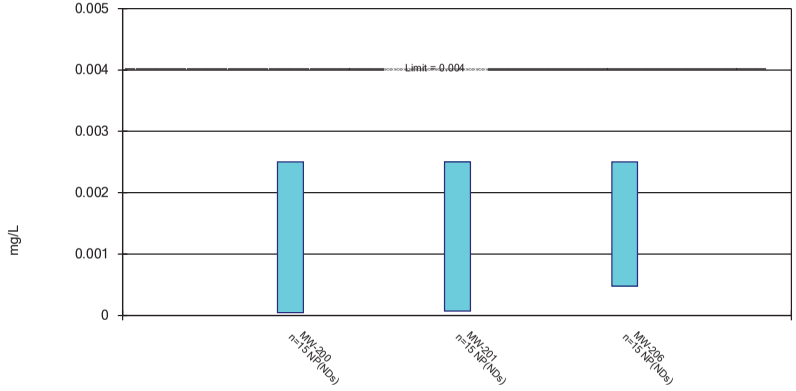
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Constituent: Barium Analysis Run 6/23/2020 12:43 PM View: 200 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Non-Parametric Confidence Interval

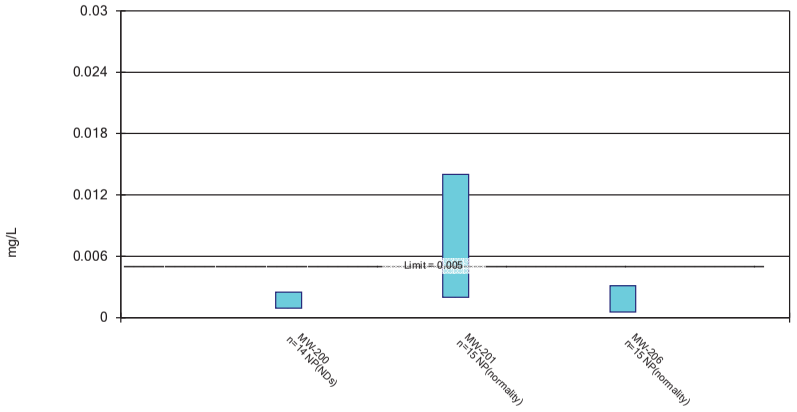
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Beryllium Analysis Run 6/23/2020 12:43 PM View: 200 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Non-Parametric Confidence Interval

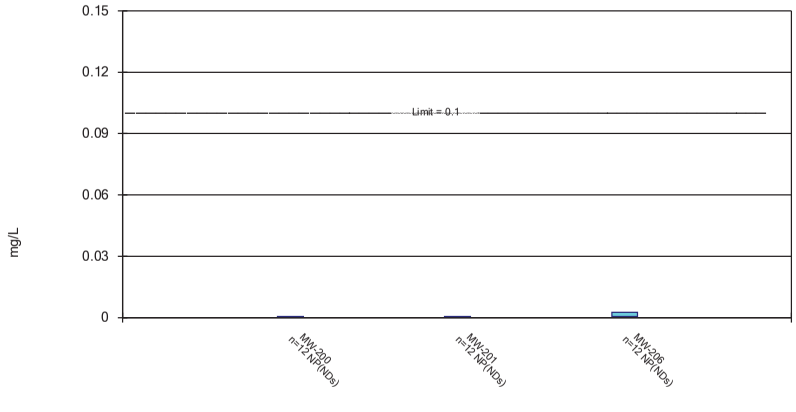
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Cadmium Analysis Run 6/23/2020 12:43 PM View: 200 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Non-Parametric Confidence Interval

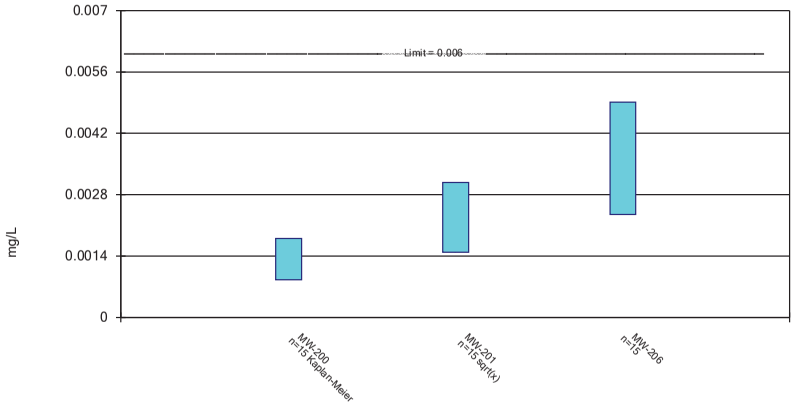
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Chromium Analysis Run 6/23/2020 12:44 PM View: 200 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric Confidence Interval

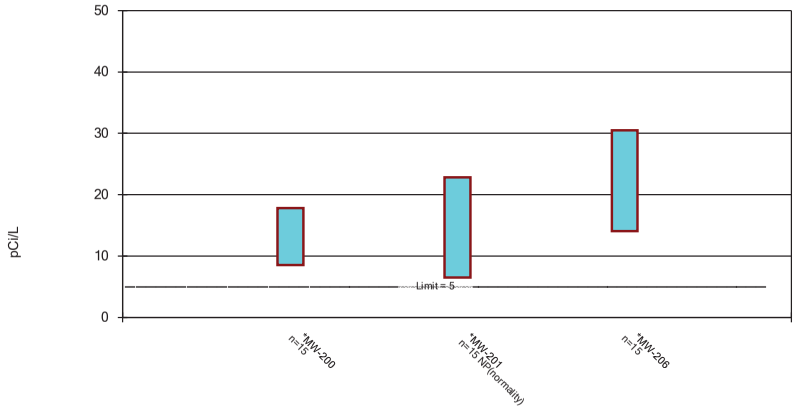
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 6/23/2020 12:44 PM View: 200 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

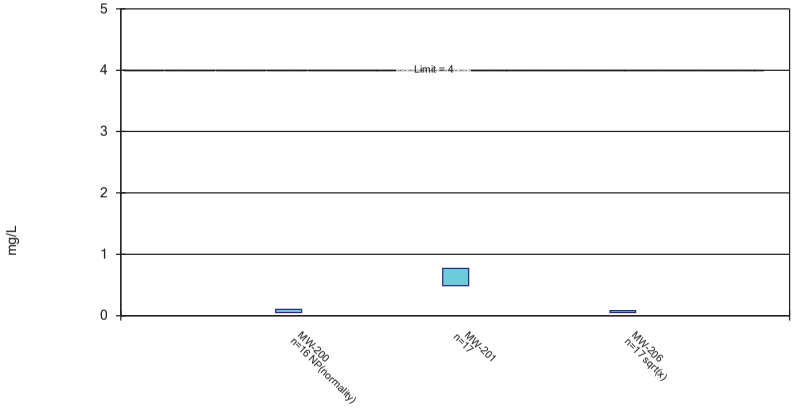
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 6/23/2020 12:44 PM View: 200 Series Confidenc
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

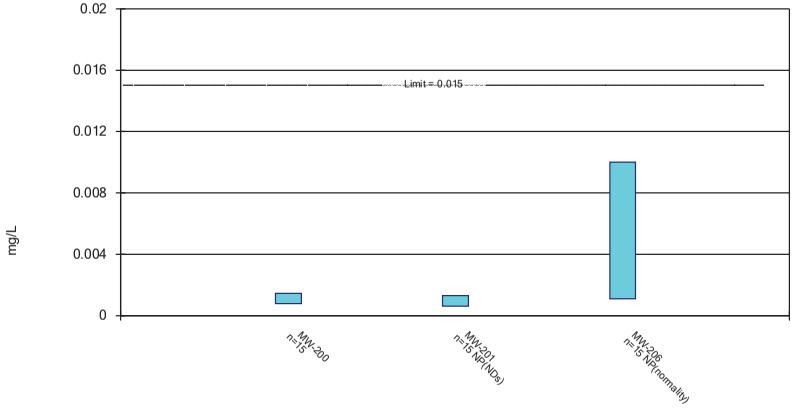
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 6/23/2020 12:44 PM View: 200 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

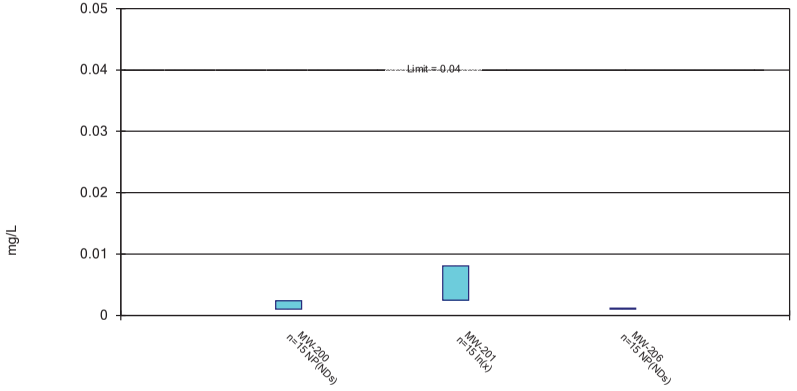
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lead Analysis Run 6/23/2020 12:44 PM View: 200 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

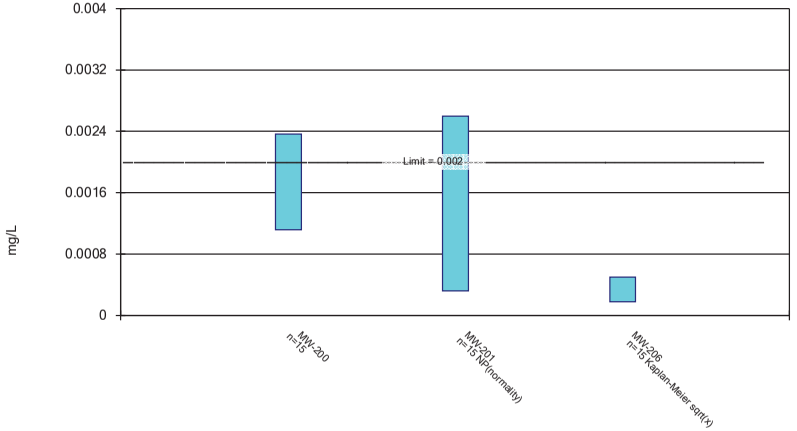
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 6/23/2020 12:44 PM View: 200 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

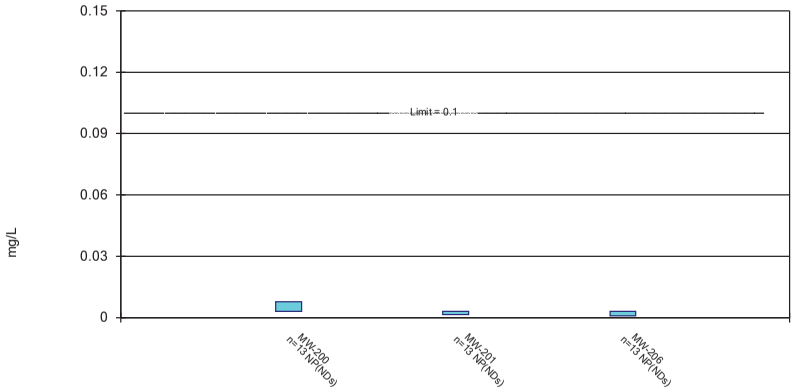
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Mercury Analysis Run 6/23/2020 12:44 PM View: 200 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

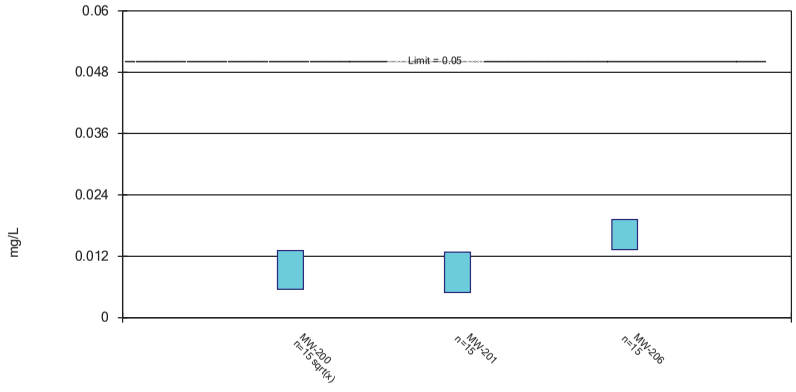


Constituent: Molybdenum Analysis Run 6/23/2020 12:44 PM View: 200 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

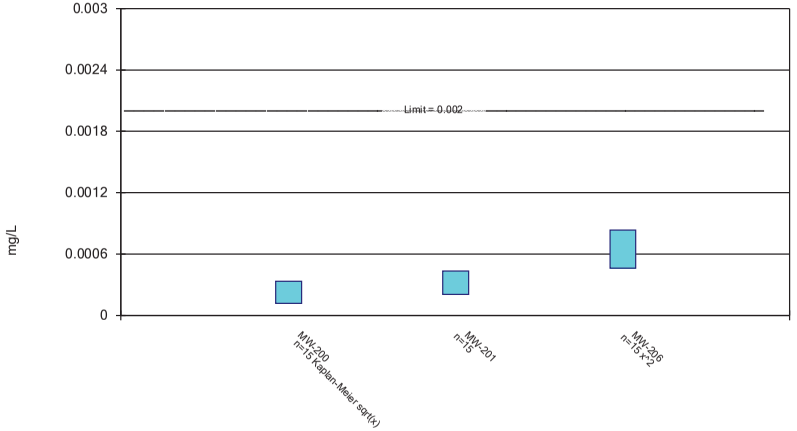


Constituent: Selenium Analysis Run 6/23/2020 12:44 PM View: 200 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 6/23/2020 12:44 PM View: 200 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

300 Series

Confidence Intervals - 300 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/25/2020, 9:40 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	**MW-304**	**0.02197**	**0.008227**	**0.006**	**Yes**	**9**	**0.0151**	**0.007119**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	**MW-303**	**1.649**	**0.9154**	**0.1**	**Yes**	**15**	**1.31**	**0.5757**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**

Confidence Intervals - 300 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/25/2020, 9:40 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-300	0.0025	0.0025	0.006	No	12	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-303	0.0025	0.0025	0.006	No	12	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-304	0.0025	0.0025	0.006	No	12	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-305	0.0025	0.0025	0.006	No	12	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-308	0.0025	0.0025	0.006	No	12	0.0025	0	100	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-300	0.00025	0.00025	0.01	No	13	0.00025	0	100	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-303	0.0018	0.00025	0.01	No	13	0.0008015	0.0007145	46.15	None	No	0.01	NP (normality)
Arsenic (mg/L)	MW-304	0.002727	0.0004109	0.01	No	10	0.00179	0.001949	10	None	ln(x)	0.01	Param.
Arsenic (mg/L)	MW-305	0.00042	0.00025	0.01	No	13	0.0002631	0.00004715	92.31	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-308	0.00046	0.00025	0.01	No	13	0.0002662	0.00005824	92.31	None	No	0.01	NP (NDs)
Barium (mg/L)	MW-300	0.012	0.01	2	No	15	0.01133	0.0008165	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-303	0.04326	0.02774	2	No	15	0.03613	0.01279	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	MW-304	0.04313	0.02887	2	No	15	0.036	0.01053	0	None	No	0.01	Param.
Barium (mg/L)	MW-305	0.026	0.016	2	No	15	0.01927	0.005338	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-308	0.02761	0.02106	2	No	15	0.02433	0.004835	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-300	0.0005	0.0005	0.004	No	12	0.0005	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-303	0.0005	0.000074	0.004	No	12	0.0004645	0.000123	91.67	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-304	0.0005	0.0005	0.004	No	12	0.0005	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-305	0.0005	0.0005	0.004	No	12	0.0005	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-308	0.0005	0.0005	0.004	No	12	0.0005	0	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-300	0.0005	0.000075	0.005	No	15	0.0004717	0.0001097	93.33	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-303	0.0005524	0.0003624	0.005	No	15	0.000478	0.0001275	20	Kaplan-Meier	No	0.01	Param.
Cadmium (mg/L)	MW-304	0.00073	0.0005	0.005	No	15	0.0005487	0.0001382	86.67	Kaplan-Meier	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-305	0.0005	0.000076	0.005	No	15	0.0004717	0.0001095	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-308	0.0005	0.000089	0.005	No	15	0.0004726	0.0001061	93.33	Kaplan-Meier	No	0.01	NP (NDs)
Chromium (mg/L)	MW-300	0.0037	0.0005	0.1	No	12	0.0007667	0.0009238	91.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-303	0.0005	0.0005	0.1	No	12	0.0005	0	100	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-304	0.0012	0.0005	0.1	No	12	0.0005583	0.0002021	91.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-305	0.0025	0.0005	0.1	No	12	0.0006667	0.0005774	91.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-308	0.00082	0.0005	0.1	No	12	0.0005267	0.00009238	91.67	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-300	0.00093	0.00024	0.006	No	15	0.0004933	0.0001523	80	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-303	0.0006733	0.0005057	0.006	No	15	0.0005713	0.0001161	33.33	Kaplan-Meier	No	0.01	Param.
Cobalt (mg/L)	**MW-304**	**0.02197**	**0.008227**	**0.006**	**Yes**	**9**	**0.0151**	**0.007119**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	MW-305	0.00063	0.00044	0.006	No	15	0.0005393	0.0001674	26.67	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-308	0.00056	0.0005	0.006	No	15	0.0005127	0.00003595	86.67	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	MW-300	5.616	4.756	5	No	15	5.186	0.6346	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-303	6.34	4.37	5	No	15	6.003	2.078	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	MW-304	7.4	4.046	5	No	15	5.723	2.475	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-305	1.636	1.261	5	No	15	1.455	0.289	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-308	3.075	2.191	5	No	15	2.633	0.6525	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-300	0.1	0.041	4	No	16	0.09631	0.01475	93.75	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-303	0.2564	0.1672	4	No	17	0.2118	0.07117	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-304	0.09902	0.05045	4	No	16	0.09875	0.03538	50	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride (mg/L)	MW-305	0.1	0.035	4	No	16	0.09594	0.01625	93.75	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-308	0.1388	0.08007	4	No	17	0.1094	0.04683	0	None	No	0.01	Param.
Lead (mg/L)	MW-300	0.00025	0.000083	0.015	No	12	0.0002361	0.00004821	91.67	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-303	0.00025	0.00011	0.015	No	12	0.0002383	0.00004041	91.67	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-304	0.00086	0.00022	0.015	No	12	0.0004517	0.0003539	50	None	No	0.01	NP (normality)
Lead (mg/L)	MW-305	0.00025	0.00025	0.015	No	12	0.00025	0	100	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-308	0.00025	0.00025	0.015	No	12	0.00025	0	100	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-300	0.0014	0.00062	0.04	No	15	0.000976	0.0001773	80	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-303	0.02819	0.02272	0.04	No	15	0.02553	0.004224	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	MW-304	0.0023	0.001	0.04	No	15	0.0015	0.001047	66.67	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-305	0.0014	0.00054	0.04	No	15	0.0009607	0.000212	80	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-308	0.0011	0.001	0.04	No	15	0.001107	0.0002865	73.33	None	No	0.01	NP (NDs)

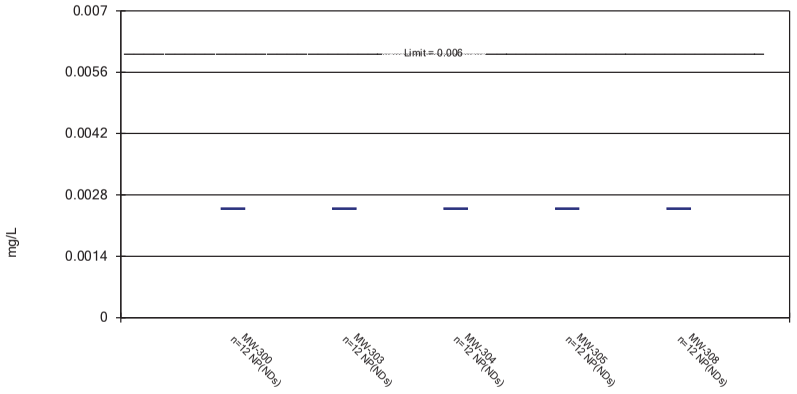
Confidence Intervals - 300 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 6/25/2020, 9:40 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	MW-300	0.0002	0.0002	0.002	No	15	0.0002	0	100	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-303	0.0002	0.0002	0.002	No	15	0.0002	0	100	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-304	0.0006998	0.0002354	0.002	No	15	0.0004904	0.0003308	20	Kaplan-Meier	No	0.01	Param.
Mercury (mg/L)	MW-305	0.0002	0.0002	0.002	No	15	0.0002	0	100	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	MW-308	0.0002	0.0002	0.002	No	15	0.0002	0	100	Kaplan-Meier	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-300	0.003	0.003	0.1	No	15	0.003	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	**MW-303**	**1.649**	**0.9154**	**0.1**	**Yes**	**15**	**1.31**	**0.5757**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Molybdenum (mg/L)	MW-304	0.0043	0.0029	0.1	No	15	0.003413	0.001187	53.33	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-305	0.003	0.0016	0.1	No	15	0.002907	0.0003615	93.33	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-308	0.003	0.00098	0.1	No	15	0.002865	0.0005216	93.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-300	0.00025	0.00025	0.05	No	15	0.00025	0	100	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-303	0.006291	0.003736	0.05	No	15	0.005013	0.001885	0	None	No	0.01	Param.
Selenium (mg/L)	MW-304	0.006771	0.003958	0.05	No	14	0.005364	0.001986	0	None	No	0.01	Param.
Selenium (mg/L)	MW-305	0.00027	0.00025	0.05	No	15	0.0002513	0.000005164	93.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-308	0.005909	0.003557	0.05	No	15	0.004733	0.001736	0	None	No	0.01	Param.
Thallium (mg/L)	MW-300	0.0001	0.0001	0.002	No	15	0.0001	0	100	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-303	0.0002269	0.0001691	0.002	No	15	0.000198	0.00004263	6.667	None	No	0.01	Param.
Thallium (mg/L)	MW-304	0.0002047	0.0001226	0.002	No	15	0.0001637	0.00006061	13.33	None	No	0.01	Param.
Thallium (mg/L)	MW-305	0.0001	0.0001	0.002	No	15	0.0001	0	100	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-308	0.0003025	0.0002109	0.002	No	15	0.0002567	0.00006758	6.667	None	No	0.01	Param.

Non-Parametric Confidence Interval

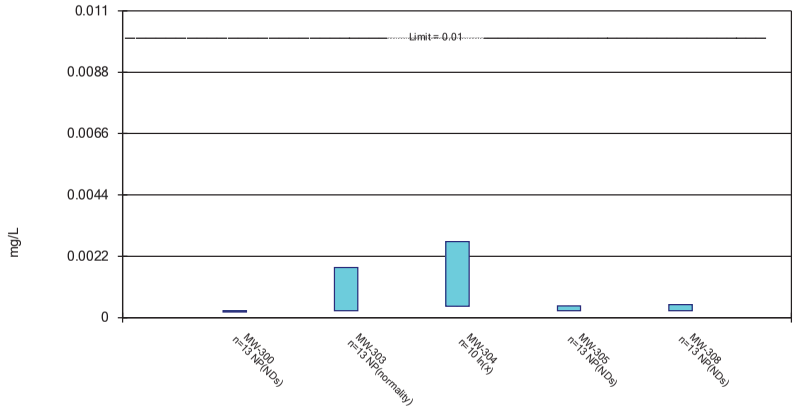
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Antimony Analysis Run 6/25/2020 9:39 AM View: 300 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

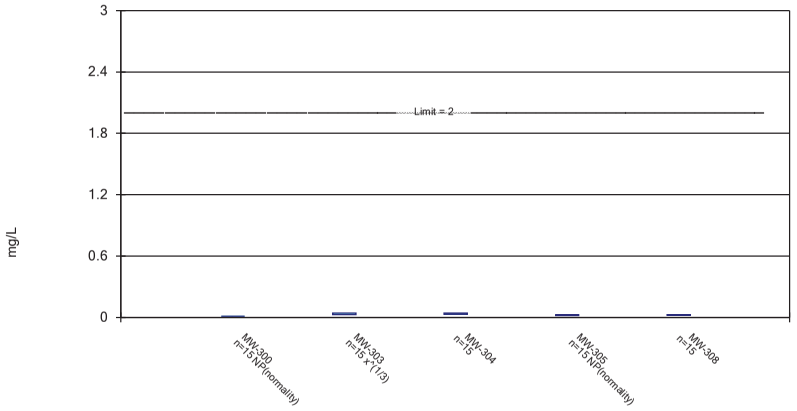
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 6/25/2020 9:39 AM View: 300 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

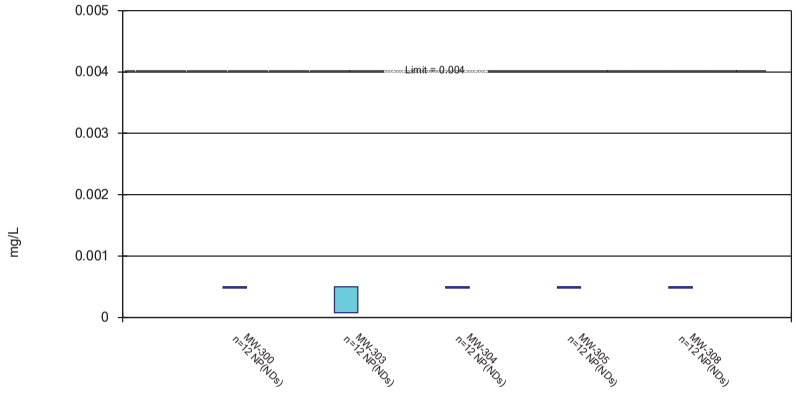
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Constituent: Barium Analysis Run 6/25/2020 9:39 AM View: 300 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Non-Parametric Confidence Interval

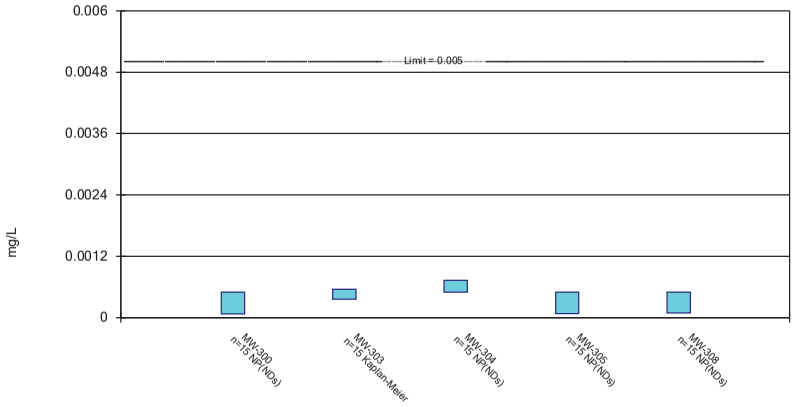
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Beryllium Analysis Run 6/25/2020 9:39 AM View: 300 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

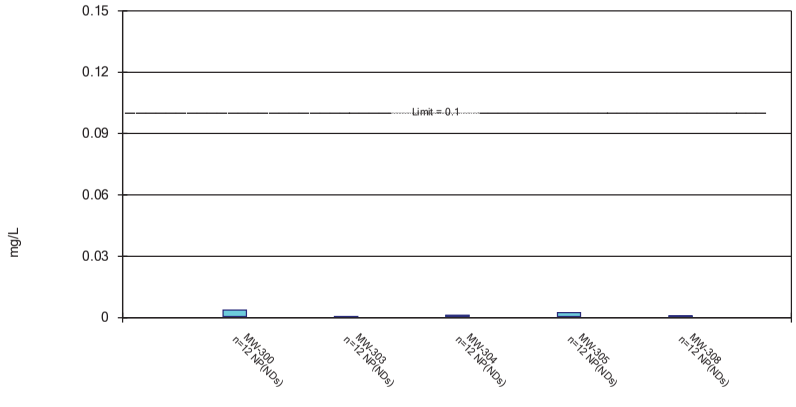
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cadmium Analysis Run 6/25/2020 9:39 AM View: 300 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Non-Parametric Confidence Interval

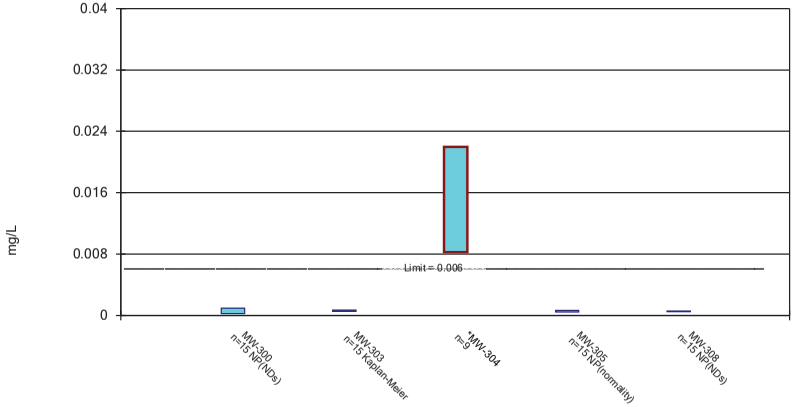
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Chromium Analysis Run 6/25/2020 9:39 AM View: 300 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

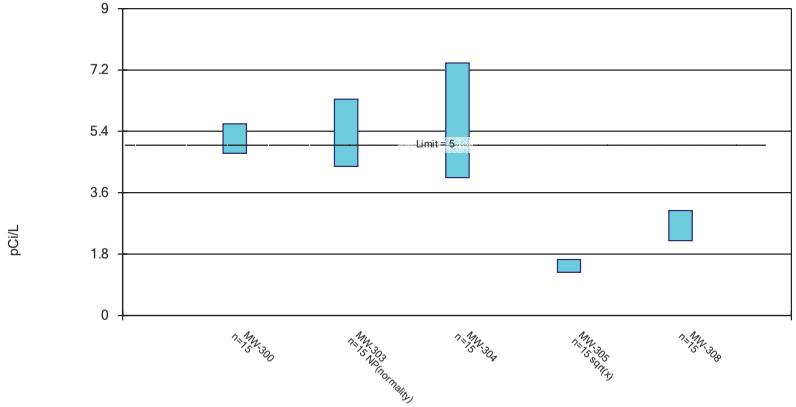
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Constituent: Cobalt Analysis Run 6/25/2020 9:39 AM View: 300 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

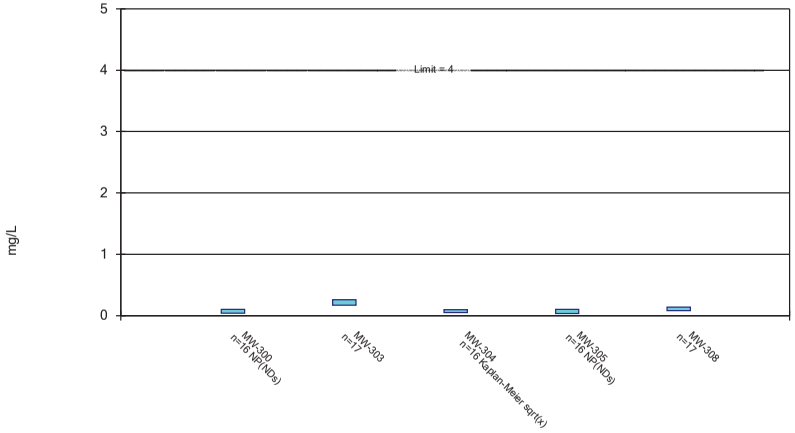
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Constituent: Combined Radium 226 + 228 Analysis Run 6/25/2020 9:39 AM View: 300 Series Confidence
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

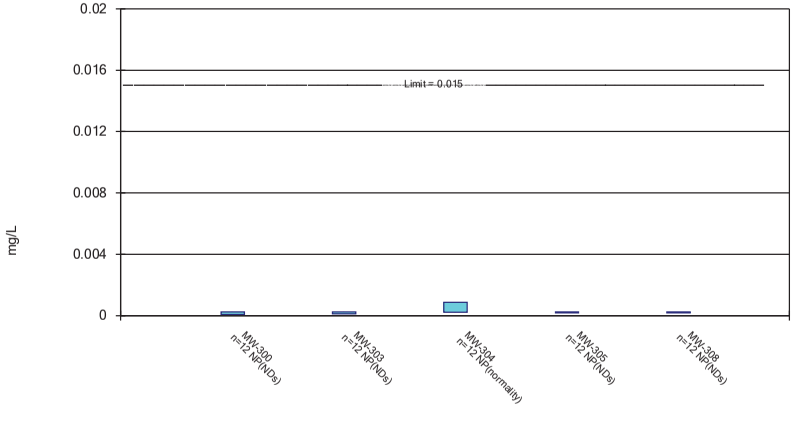
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 6/25/2020 9:39 AM View: 300 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Non-Parametric Confidence Interval

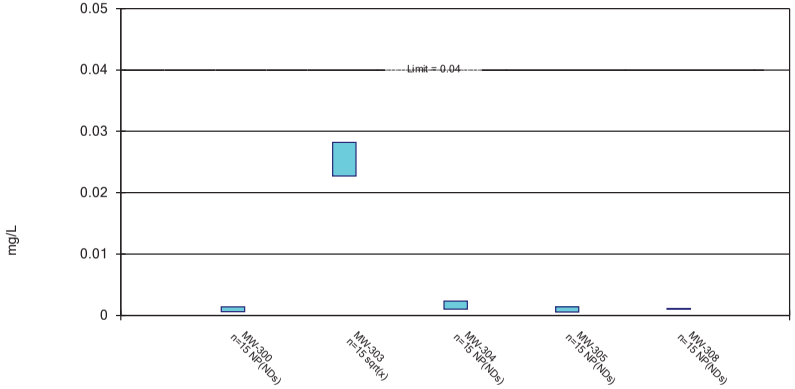
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 6/25/2020 9:39 AM View: 300 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

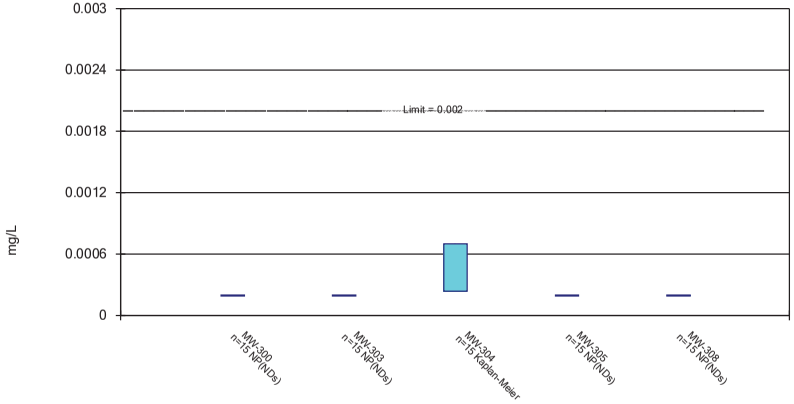
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Constituent: Lithium Analysis Run 6/25/2020 9:39 AM View: 300 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

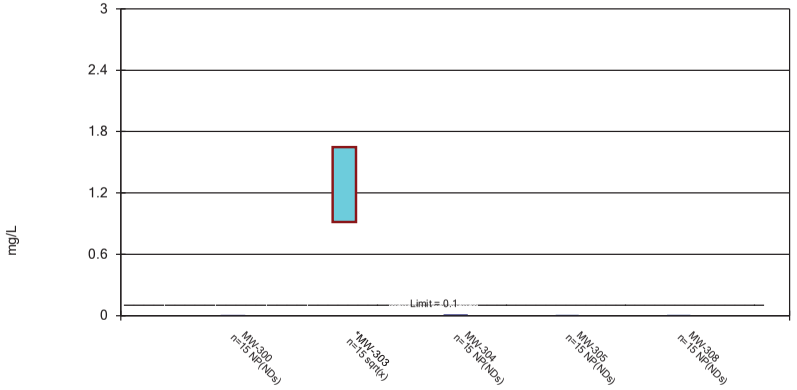
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Constituent: Mercury Analysis Run 6/25/2020 9:39 AM View: 300 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

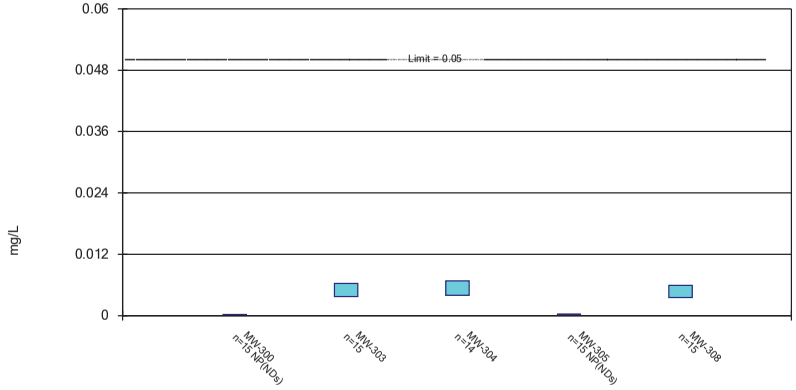


Constituent: Molybdenum Analysis Run 6/25/2020 9:39 AM View: 300 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

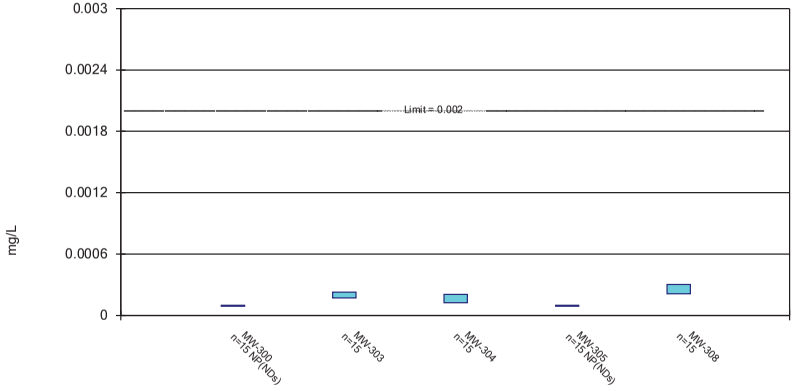


Constituent: Selenium Analysis Run 6/25/2020 9:39 AM View: 300 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



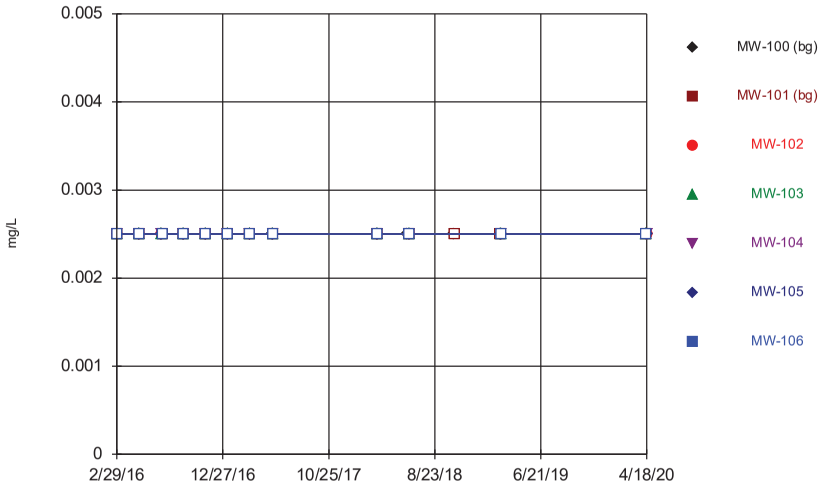
Constituent: Thallium Analysis Run 6/25/2020 9:39 AM View: 300 Series Confidence Intervals
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Time Series - 100, 200 & 300 Series

100 Series

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

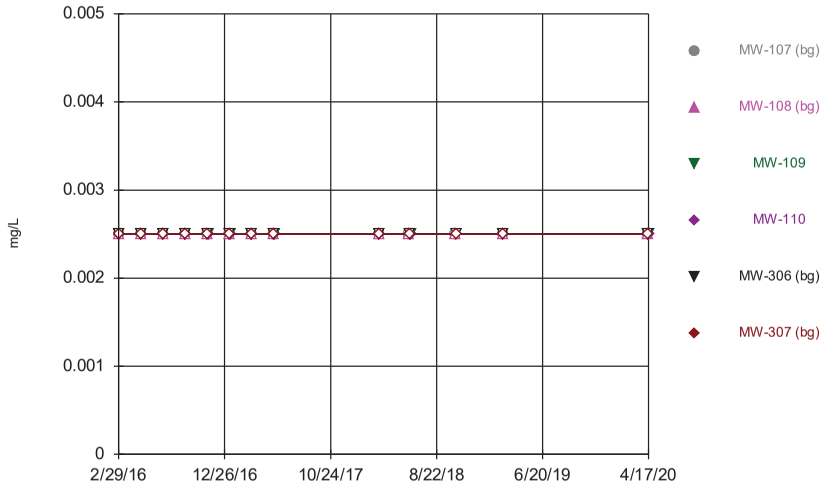
Time Series



Constituent: Antimony Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

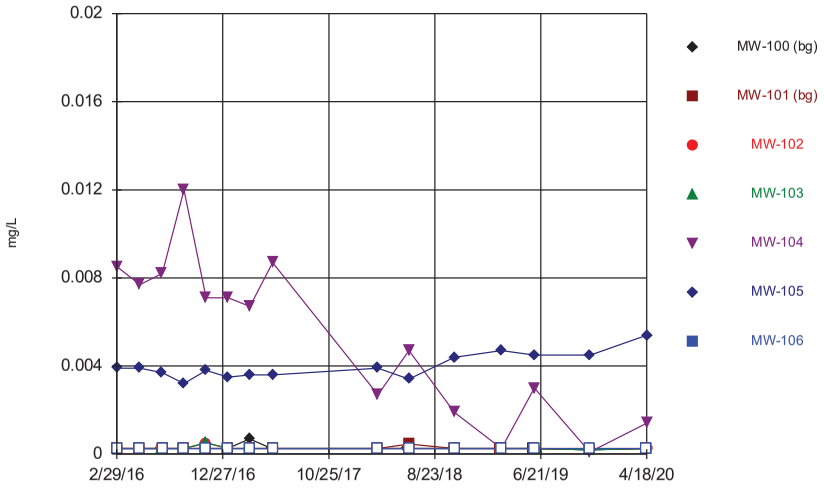
Time Series



Constituent: Antimony Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

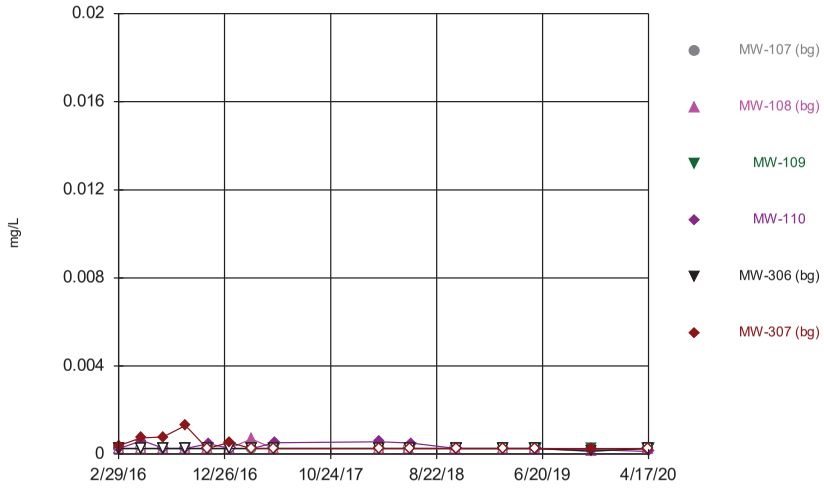
Time Series



Constituent: Arsenic Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

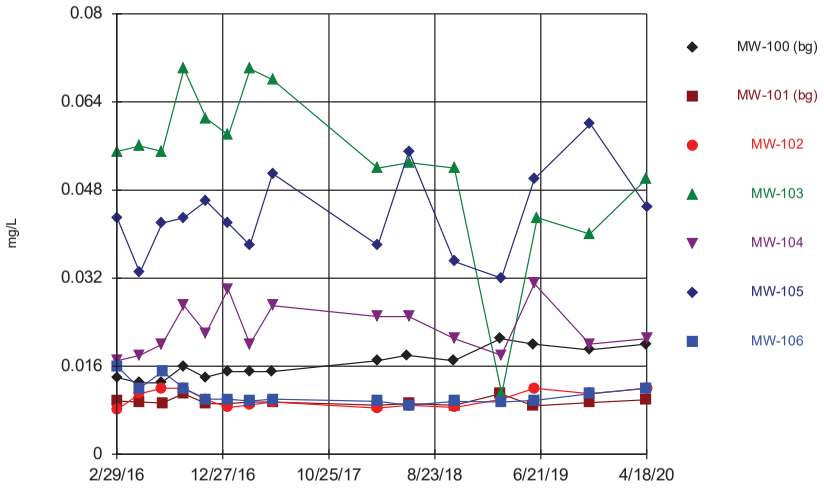
Time Series



Constituent: Arsenic Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

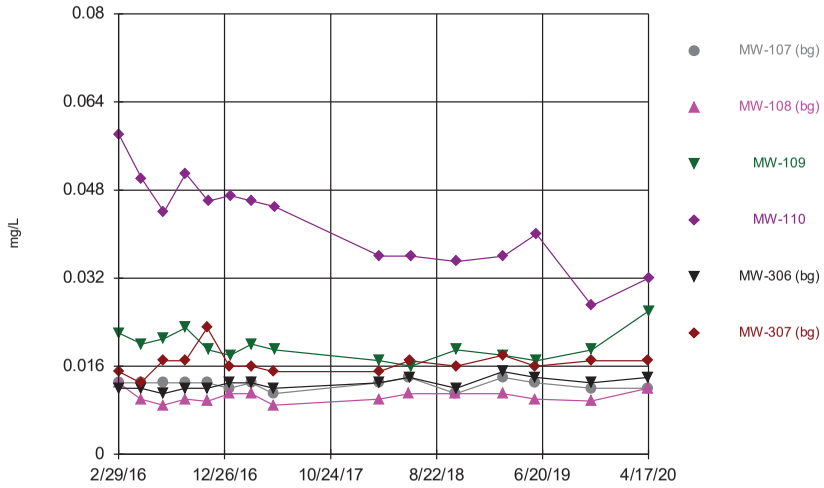
Time Series



Constituent: Barium Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

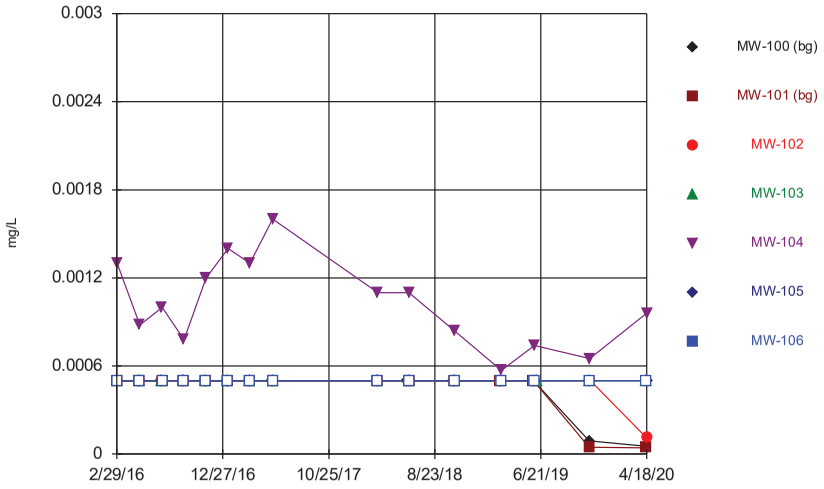
Time Series



Constituent: Barium Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

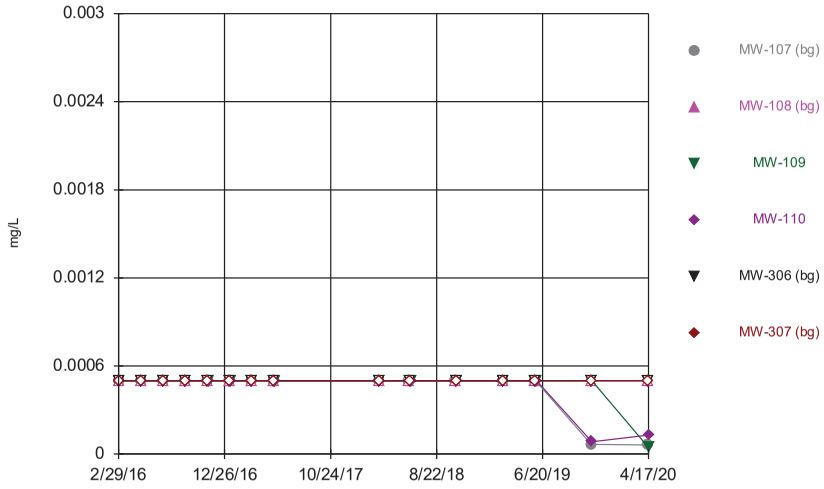
Time Series



Constituent: Beryllium Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

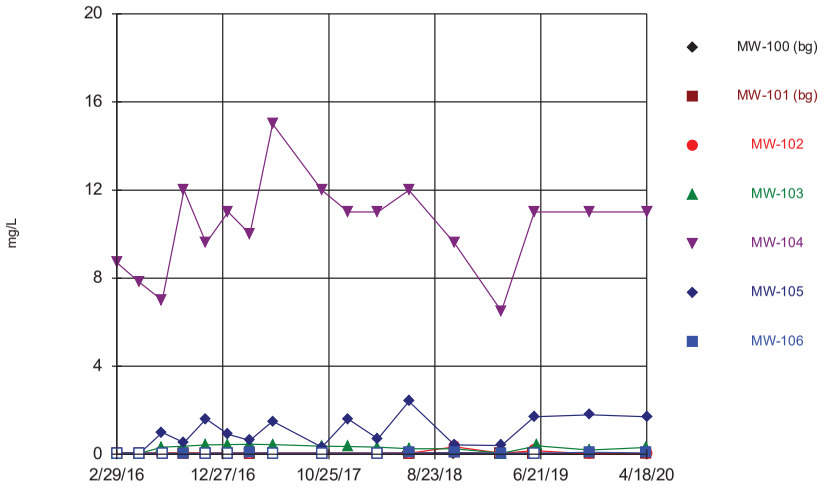
Time Series



Constituent: Beryllium Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

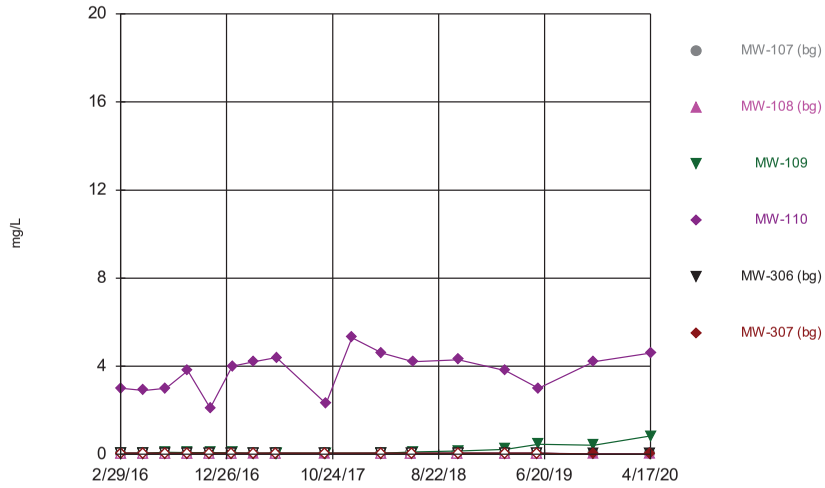
Time Series



Constituent: Boron Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

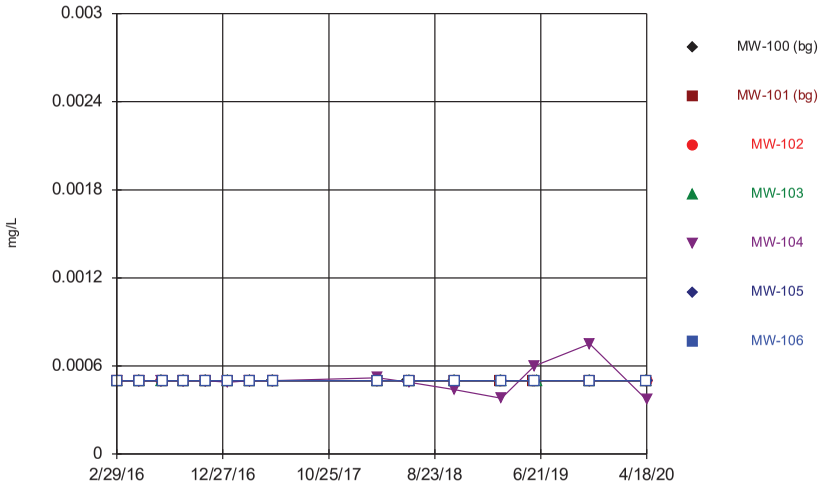
Time Series



Constituent: Boron Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

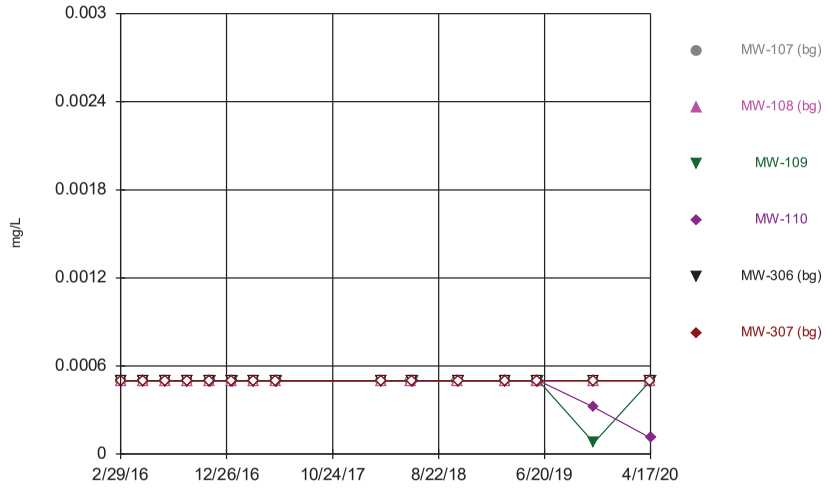
Time Series



Constituent: Cadmium Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

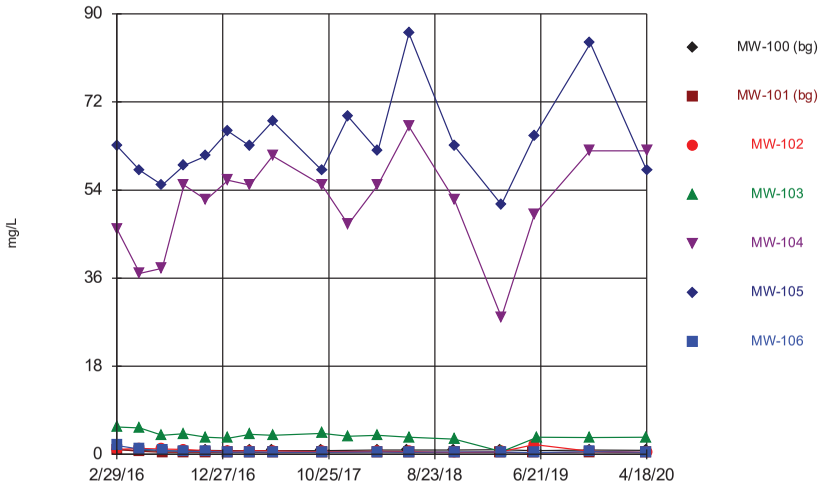
Time Series



Constituent: Cadmium Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

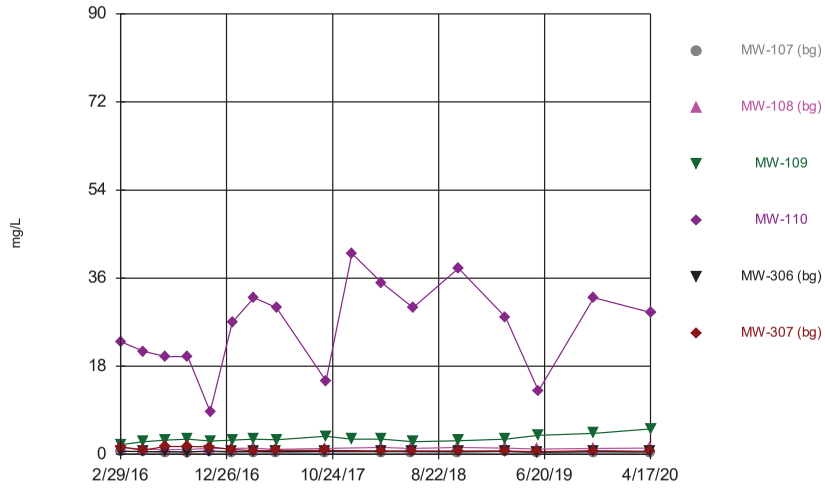
Time Series



Constituent: Calcium Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

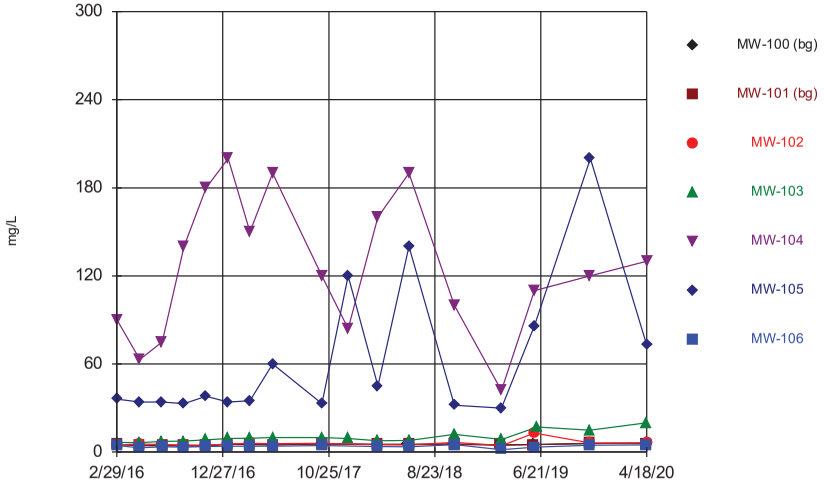
Time Series



Constituent: Calcium Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

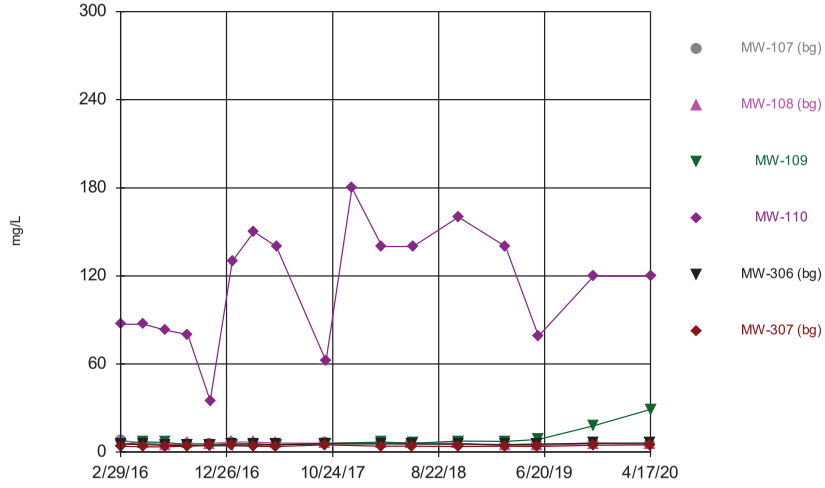
Time Series



Constituent: Chloride Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

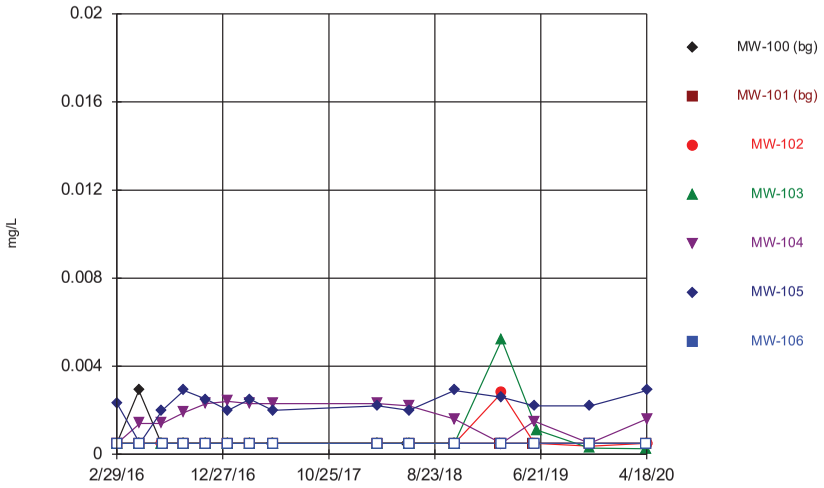
Time Series



Constituent: Chloride Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

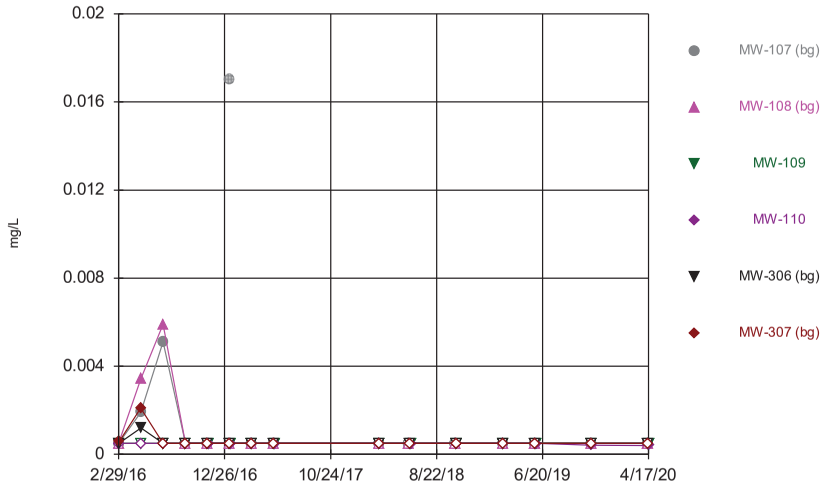
Time Series



Constituent: Chromium Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

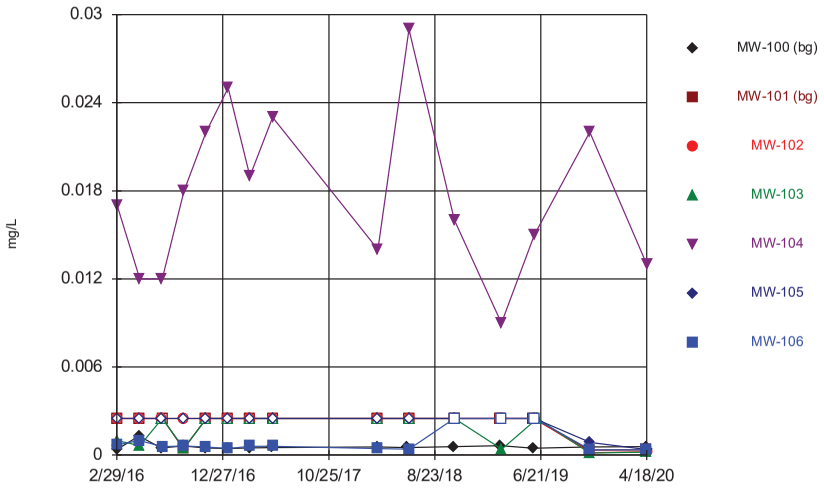
Time Series



Constituent: Chromium Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

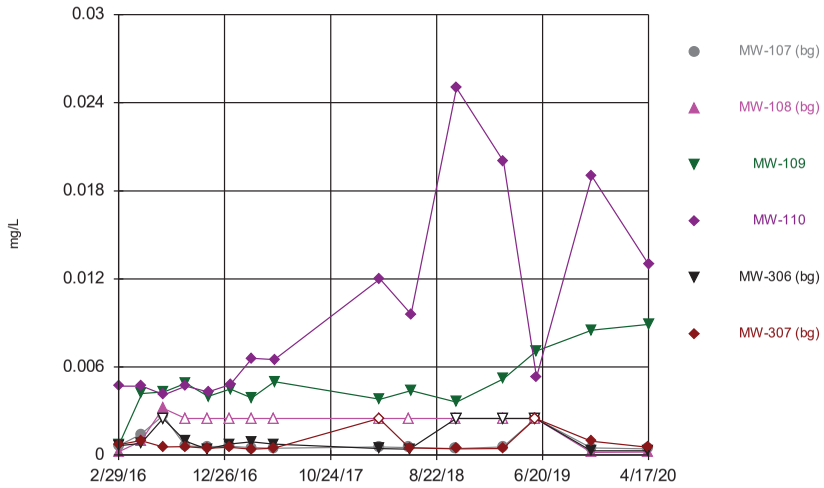
Time Series



Constituent: Cobalt Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

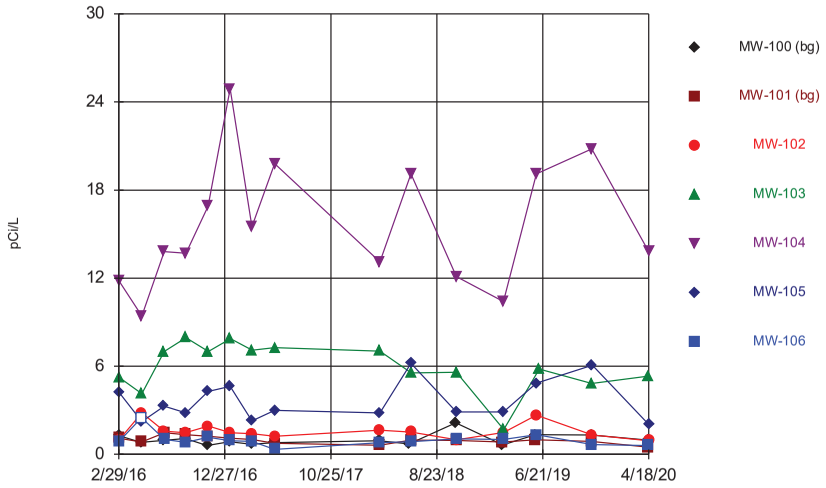
Time Series



Constituent: Cobalt Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

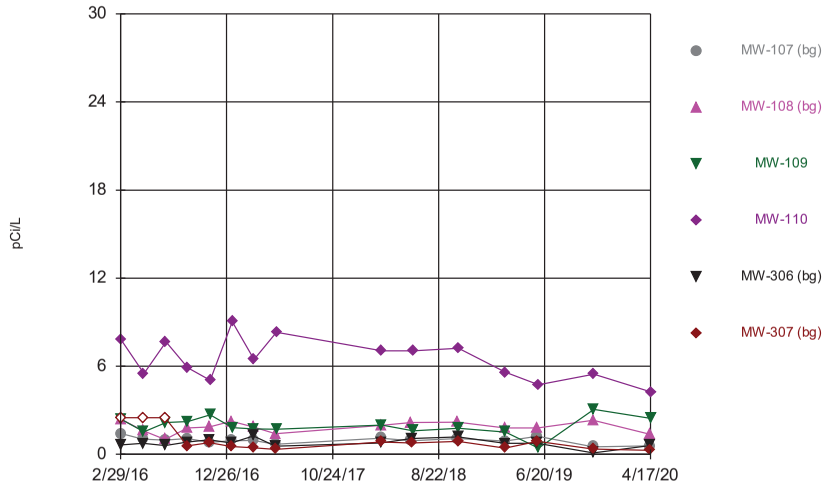
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

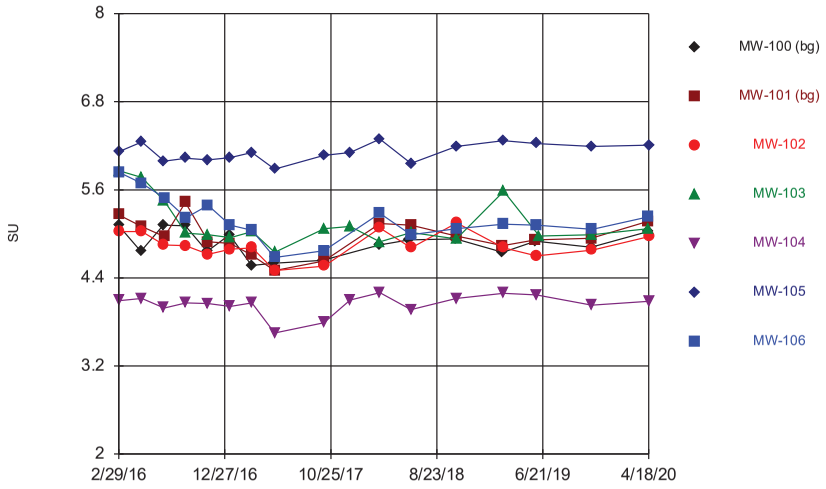
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

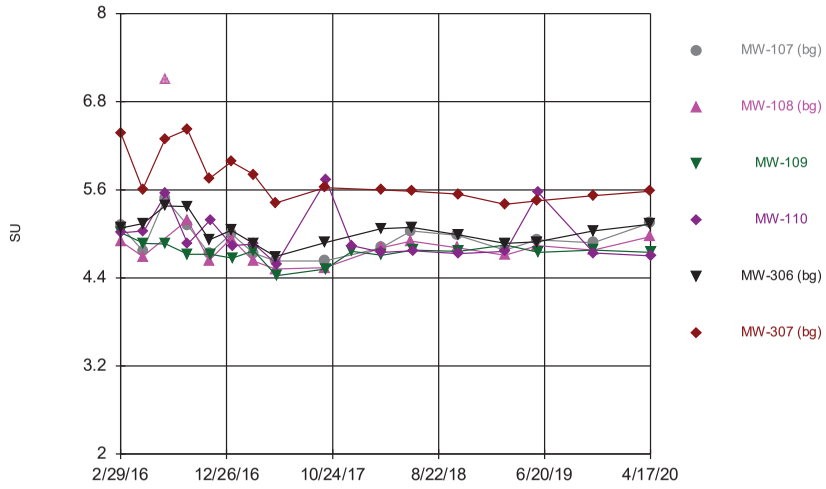
Time Series



Constituent: Field pH Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

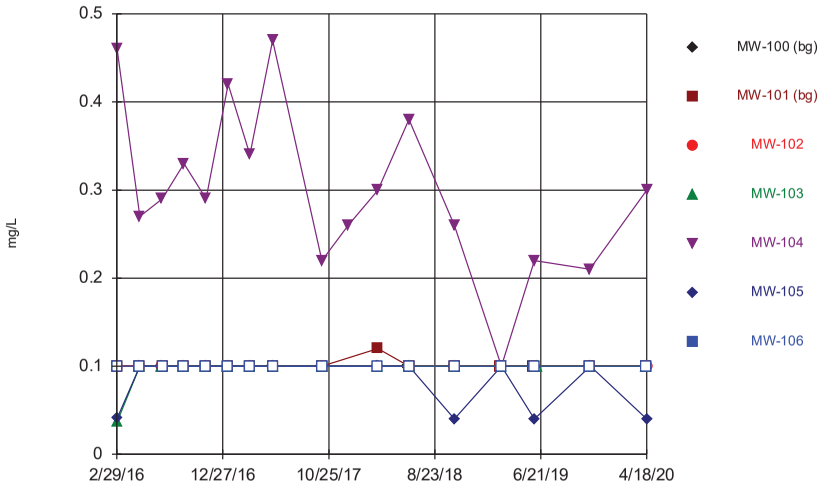
Time Series



Constituent: Field pH Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

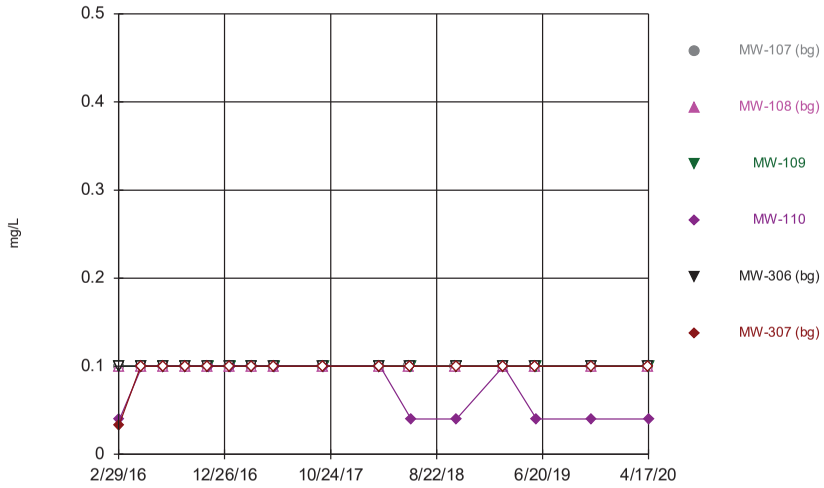
Time Series



Constituent: Fluoride Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

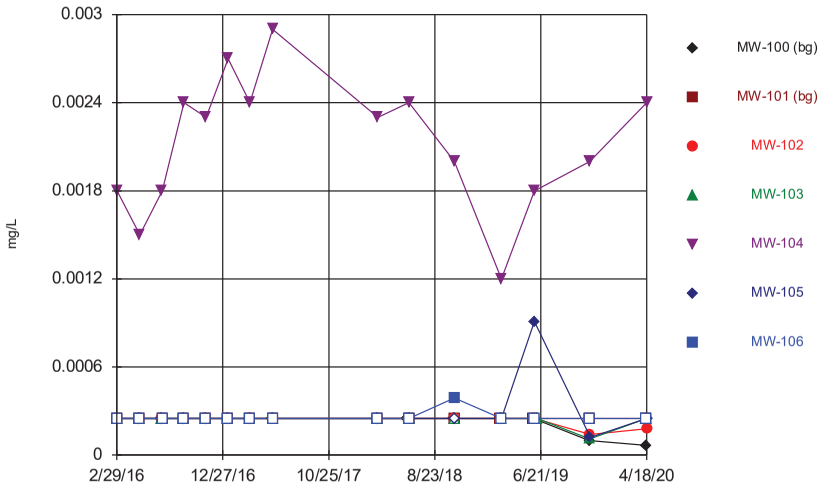
Time Series



Constituent: Fluoride Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

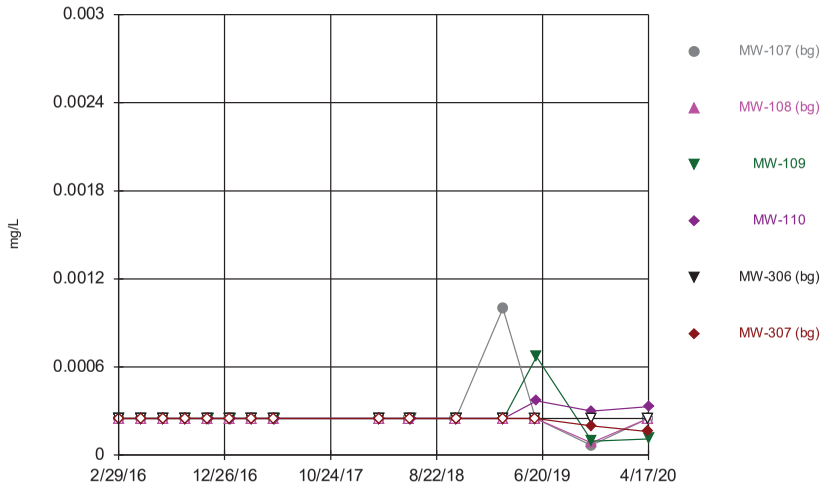
Time Series



Constituent: Lead Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

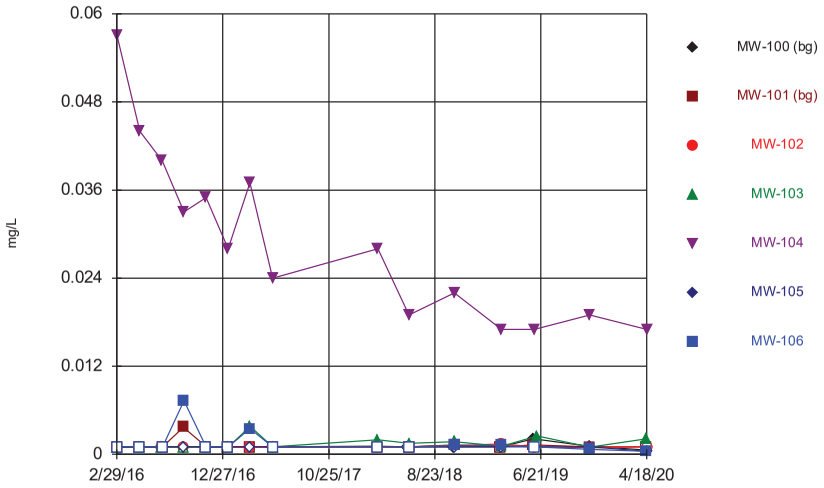
Time Series



Constituent: Lead Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

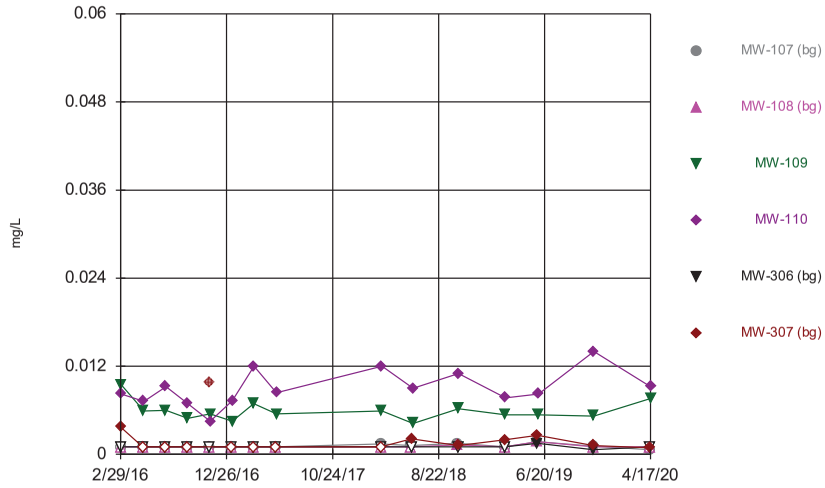
Time Series



Constituent: Lithium Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

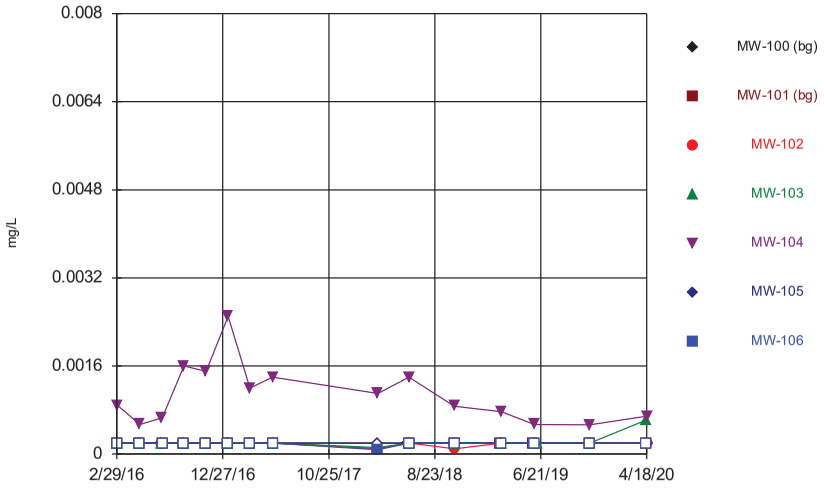
Time Series



Constituent: Lithium Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

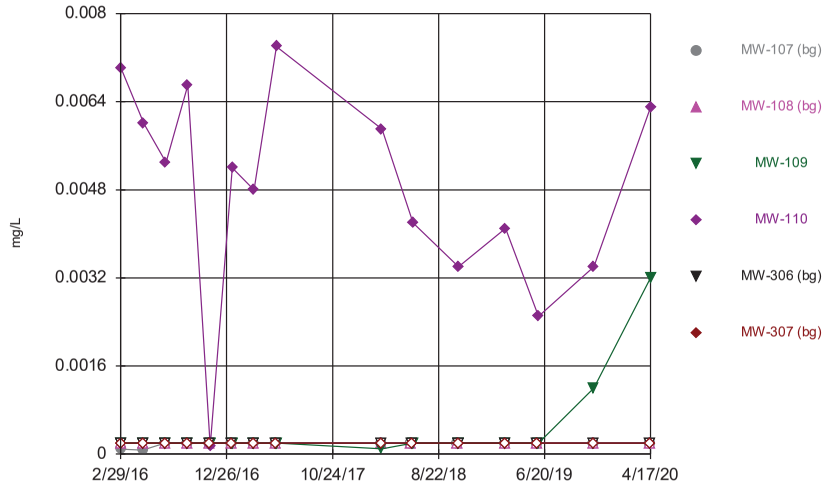
Time Series



Constituent: Mercury Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

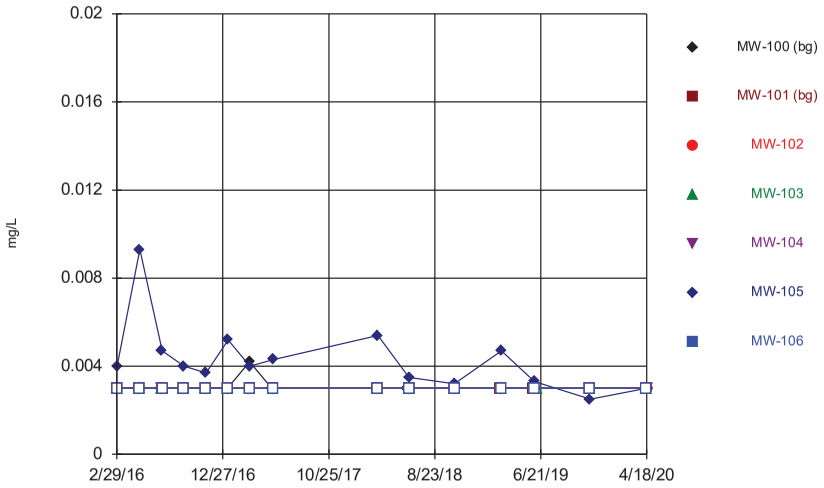
Time Series



Constituent: Mercury Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

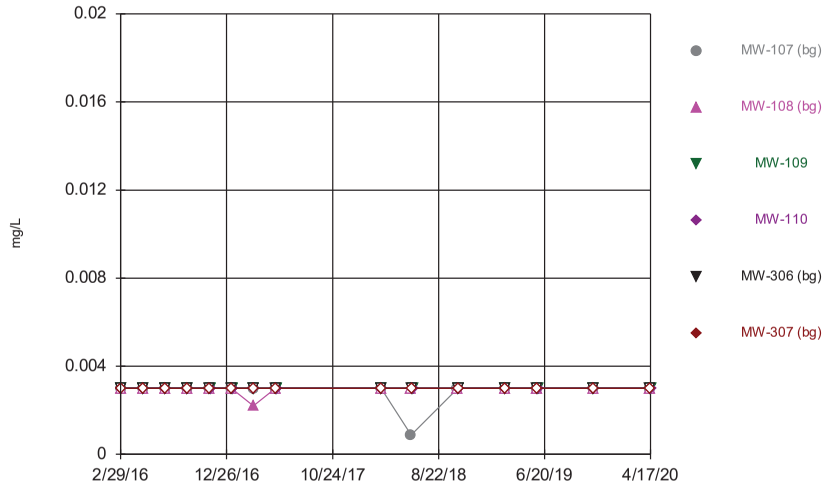
Time Series



Constituent: Molybdenum Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

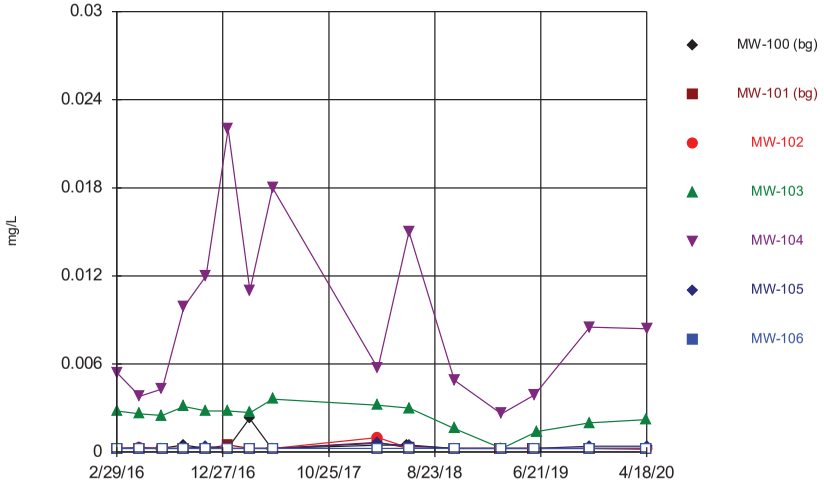
Time Series



Constituent: Molybdenum Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

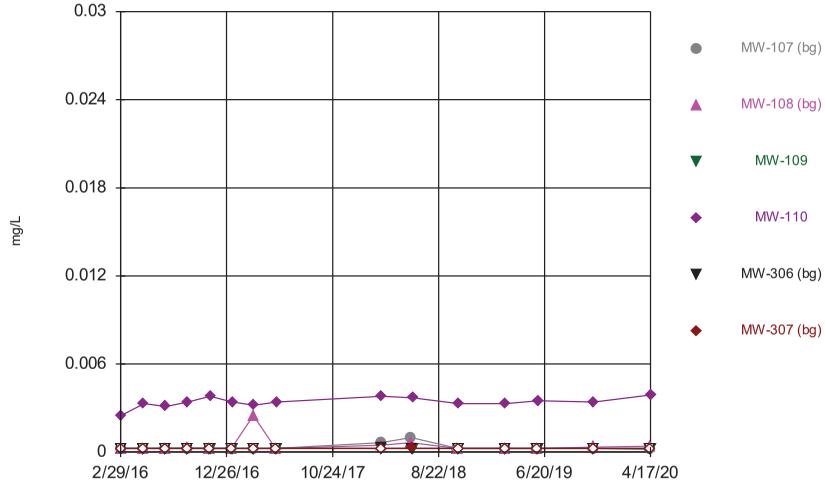
Time Series



Constituent: Selenium Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

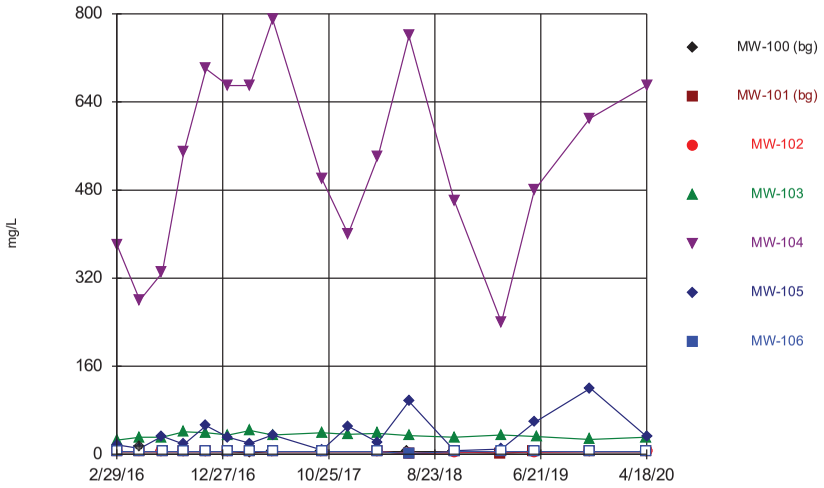
Time Series



Constituent: Selenium Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

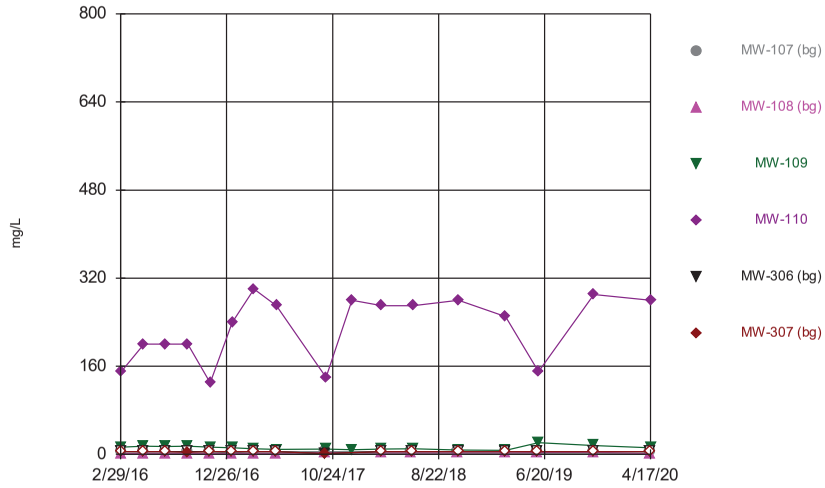
Time Series



Constituent: Sulfate Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

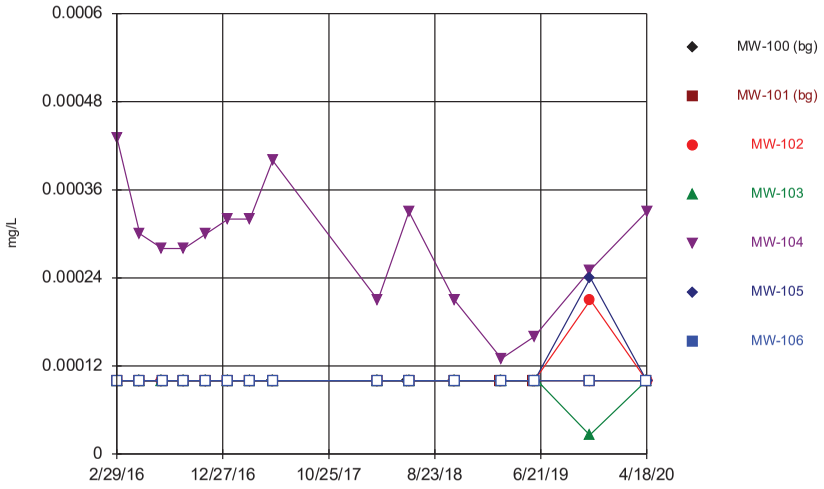
Time Series



Constituent: Sulfate Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

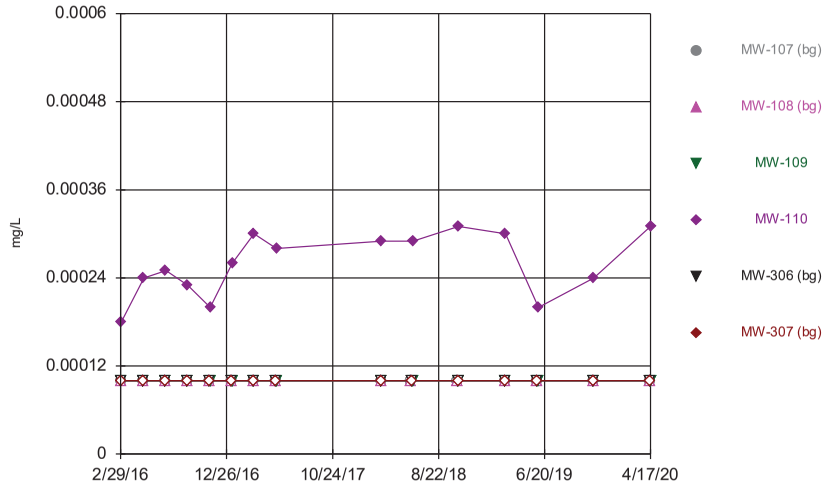
Time Series



Constituent: Thallium Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

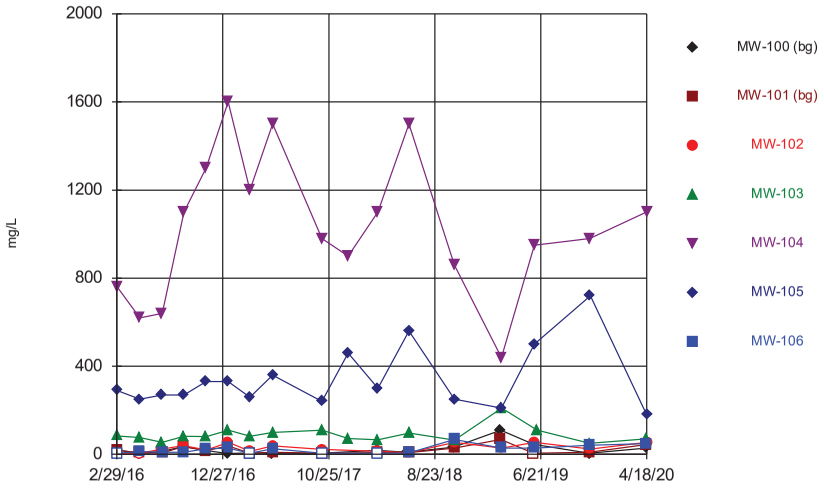
Time Series



Constituent: Thallium Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

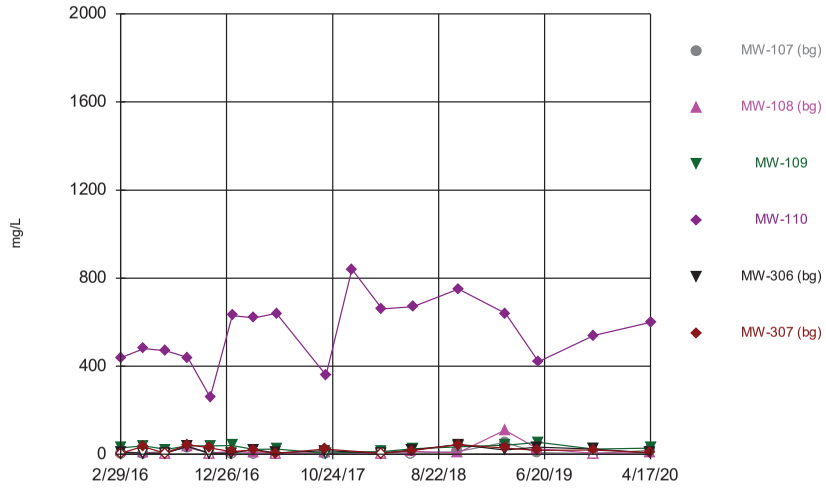
Time Series



Constituent: Total Dissolved Solids Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Total Dissolved Solids Analysis Run 6/23/2020 12:21 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.0025	<0.0025					
3/1/2016			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
5/2/2016	<0.0025						
5/4/2016		<0.0025					<0.0025
5/5/2016			<0.0025	<0.0025	<0.0025	<0.0025	
7/5/2016	<0.0025						
7/7/2016			<0.0025	<0.0025	<0.0025	<0.0025	
7/8/2016		<0.0025					<0.0025
9/6/2016	<0.0025	<0.0025	<0.0025				
9/7/2016				<0.0025	<0.0025	<0.0025	<0.0025
11/7/2016	<0.0025						
11/9/2016					<0.0025	<0.0025	<0.0025
11/10/2016		<0.0025	<0.0025	<0.0025			
1/9/2017	<0.0025						
1/11/2017		<0.0025			<0.0025	<0.0025	<0.0025
1/12/2017			<0.0025	<0.0025			
3/13/2017	<0.0025						
3/14/2017		<0.0025			<0.0025	<0.0025	<0.0025
3/15/2017			<0.0025	<0.0025			
5/15/2017	<0.0025						
5/18/2017		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/12/2018	<0.0025						
3/14/2018		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
6/5/2018	<0.0025						
6/10/2018		<0.0025			<0.0025	<0.0025	<0.0025
6/11/2018			<0.0025	<0.0025			
10/16/2018	<0.0025						
10/18/2018		<0.0025					
2/27/2019	<0.0025	<0.0025					
3/1/2019					<0.0025	<0.0025	<0.0025
3/2/2019			<0.0025	<0.0025			
4/16/2020	<0.0025	<0.0025					
4/17/2020				<0.0025			<0.0025
4/18/2020			<0.0025		<0.0025	<0.0025	

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0025	<0.0025				
3/1/2016					<0.0025	<0.0025
3/2/2016			<0.0025	<0.0025		
5/2/2016	<0.0025	<0.0025				<0.0025
5/3/2016					<0.0025	
5/5/2016			<0.0025	<0.0025		
7/5/2016	<0.0025	<0.0025			<0.0025	<0.0025
7/7/2016			<0.0025	<0.0025		
9/6/2016	<0.0025	<0.0025			<0.0025	<0.0025
9/7/2016			<0.0025	<0.0025		
11/7/2016	<0.0025	<0.0025			<0.0025	<0.0025
11/10/2016			<0.0025	<0.0025		
1/9/2017	<0.0025	<0.0025			<0.0025	<0.0025
1/12/2017			<0.0025	<0.0025		
3/13/2017	<0.0025	<0.0025			<0.0025	<0.0025
3/14/2017			<0.0025			
3/15/2017				<0.0025		
5/15/2017	<0.0025	<0.0025			<0.0025	<0.0025
5/18/2017			<0.0025	<0.0025		
3/12/2018	<0.0025	<0.0025			<0.0025	<0.0025
3/14/2018			<0.0025	<0.0025		
6/5/2018	<0.0025	<0.0025				
6/6/2018					<0.0025	<0.0025
6/11/2018			<0.0025	<0.0025		
10/16/2018	<0.0025	<0.0025				
10/17/2018					<0.0025	<0.0025
2/27/2019	<0.0025	<0.0025			<0.0025	<0.0025
3/1/2019			<0.0025	<0.0025		
4/16/2020	<0.0025	<0.0025			<0.0025	<0.0025
4/17/2020			<0.0025	<0.0025		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.00025	<0.00025					
3/1/2016			<0.00025	<0.00025	0.0085	0.0039 (J)	<0.00025
5/2/2016	<0.00025						
5/4/2016		<0.00025					<0.00025
5/5/2016			<0.00025	<0.00025	0.0077	0.0039	
7/5/2016	<0.00025						
7/7/2016			<0.00025	<0.00025	0.0082	0.0037	
7/8/2016		<0.00025					<0.00025
9/6/2016	<0.00025	<0.00025	<0.00025				
9/7/2016				<0.00025	0.012	0.0032	<0.00025
11/7/2016	<0.00025						
11/9/2016					0.0071	0.0038	<0.00025
11/10/2016		<0.00025	0.0005 (J)	0.00051 (J)			
1/9/2017	<0.00025						
1/11/2017		<0.00025			0.0071	0.0035	<0.00025
1/12/2017			<0.00025	<0.00025			
3/13/2017	0.00069 (J)						
3/14/2017		<0.00025			0.0067	0.0036	<0.00025
3/15/2017			<0.00025	<0.00025			
5/15/2017	<0.00025						
5/18/2017		<0.00025	<0.00025	<0.00025	0.0087	0.0036	<0.00025
3/12/2018	<0.00025						
3/14/2018		<0.00025	<0.00025	<0.00025	0.0027	0.0039	<0.00025
6/5/2018	<0.00025						
6/10/2018		0.00046 (J)			0.0047	0.0034	<0.00025
6/11/2018			<0.00025	<0.00025			
10/16/2018	<0.00025						
10/18/2018		<0.00025		<0.00025	0.0019	0.0044	<0.00025
10/19/2018			<0.00025				
2/27/2019	<0.00025	<0.00025					
3/1/2019					<0.00025	0.0047	<0.00025
3/2/2019			<0.00025	<0.00025			
5/31/2019	<0.00025	<0.00025					
6/3/2019			<0.00025		0.003	0.0045	<0.00025
6/11/2019				<0.00025			
11/6/2019	0.0002 (J)	0.00019 (J)					
11/7/2019				0.00019 (J)	8.9E-05 (J)		
11/9/2019			<0.00025			0.0045	<0.00025
4/16/2020	<0.00025	<0.00025					
4/17/2020				<0.00025			<0.00025
4/18/2020			<0.00025		0.0014	0.0054	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.00025	<0.00025				
3/1/2016					<0.00025	0.00038 (J)
3/2/2016			<0.00025	<0.00025		
5/2/2016	<0.00025	<0.00025				0.00073 (J)
5/3/2016					<0.00025	
5/5/2016			<0.00025	0.00061 (J)		
7/5/2016	<0.00025	<0.00025			<0.00025	0.00077 (J)
7/7/2016			<0.00025	<0.00025		
9/6/2016	<0.00025	<0.00025			<0.00025	0.0013
9/7/2016			<0.00025	<0.00025		
11/7/2016	<0.00025	<0.00025			<0.00025	<0.00025
11/10/2016			<0.00025	0.00047 (J)		
1/9/2017	<0.00025	<0.00025			<0.00025	0.00053 (J)
1/12/2017			<0.00025	<0.00025		
3/13/2017	<0.00025	0.00069 (J)			<0.00025	<0.00025
3/14/2017			<0.00025			
3/15/2017				<0.00025		
5/15/2017	<0.00025	<0.00025			<0.00025	<0.00025
5/18/2017			<0.00025	0.00051 (J)		
3/12/2018	<0.00025	<0.00025			<0.00025	<0.00025
3/14/2018			<0.00025	0.00056 (J)		
6/5/2018	<0.00025	<0.00025				
6/6/2018					<0.00025	<0.00025
6/11/2018			<0.00025	0.0005 (J)		
10/16/2018	<0.00025	<0.00025				
10/17/2018					<0.00025	<0.00025
10/18/2018			<0.00025	<0.00025		
2/27/2019	<0.00025	<0.00025			<0.00025	<0.00025
3/1/2019			<0.00025	<0.00025		
5/31/2019	<0.00025	<0.00025			<0.00025	<0.00025
6/3/2019			<0.00025	<0.00025		
11/6/2019	0.0002 (J)	0.00012 (J)			0.00014 (J)	0.00024 (J)
11/7/2019			0.00025 (V)	0.0002 (J)		
4/16/2020	<0.00025	<0.00025			<0.00025	<0.00025
4/17/2020			<0.00025	0.00012 (J)		

Time Series

Constituent: Barium (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	0.014	0.0097 (J)					
3/1/2016			0.0081 (J)	0.055	0.017	0.043	0.016
5/2/2016	0.013						
5/4/2016		0.0095					0.012
5/5/2016			0.011	0.056	0.018	0.033	
7/5/2016	0.013						
7/7/2016			0.012	0.055	0.02	0.042	
7/8/2016		0.0093					0.015
9/6/2016	0.016	0.011	0.012				
9/7/2016				0.07	0.027	0.043	0.012
11/7/2016	0.014						
11/9/2016					0.022	0.046	0.01
11/10/2016		0.0092	0.0099	0.061			
1/9/2017	0.015						
1/11/2017		0.0092			0.03	0.042	0.01
1/12/2017			0.0085	0.058			
3/13/2017	0.015						
3/14/2017		0.0095			0.02	0.038	0.0097
3/15/2017			0.009	0.07			
5/15/2017	0.015						
5/18/2017		0.0095	0.0095	0.068	0.027	0.051	0.01
3/12/2018	0.017						
3/14/2018		0.0089	0.0084	0.052	0.025	0.038	0.0096
6/5/2018	0.018						
6/10/2018		0.0092			0.025	0.055	0.0089
6/11/2018			0.0089	0.053			
10/16/2018	0.017						
10/18/2018		0.0089		0.052	0.021	0.035	0.0096
10/19/2018			0.0085				
2/27/2019	0.021	0.011					
3/1/2019					0.018	0.032	0.0095
3/2/2019			0.01	0.011			
5/31/2019	0.02	0.0088					
6/3/2019			0.012		0.031	0.05	0.0098
6/11/2019				0.043			
11/6/2019	0.019	0.0094					
11/7/2019				0.04	0.02		
11/9/2019			0.011			0.06	0.011
4/16/2020	0.02	0.0099					
4/17/2020				0.05			0.012
4/18/2020			0.012		0.021	0.045	

Time Series

Constituent: Barium (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	0.013	0.013				
3/1/2016					0.012	0.015
3/2/2016			0.022	0.058		
5/2/2016	0.013	0.01				0.013
5/3/2016					0.012	
5/5/2016			0.02	0.05		
7/5/2016	0.013	0.0089			0.011	0.017
7/7/2016			0.021	0.044		
9/6/2016	0.013	0.01			0.012	0.017
9/7/2016			0.023	0.051		
11/7/2016	0.013	0.0096			0.012	0.023
11/10/2016			0.019	0.046		
1/9/2017	0.012	0.011			0.013	0.016
1/12/2017			0.018	0.047		
3/13/2017	0.013	0.011			0.013	0.016
3/14/2017			0.02			
3/15/2017				0.046		
5/15/2017	0.011	0.0089			0.012	0.015
5/18/2017			0.019	0.045		
3/12/2018	0.013	0.01			0.013	0.015
3/14/2018			0.017	0.036		
6/5/2018	0.014	0.011				
6/6/2018					0.014	0.017
6/11/2018			0.016	0.036		
10/16/2018	0.011	0.011				
10/17/2018					0.012	0.016
10/18/2018			0.019	0.035		
2/27/2019	0.014	0.011			0.015	0.018
3/1/2019			0.018	0.036		
5/31/2019	0.013	0.01			0.014	0.016
6/3/2019			0.017	0.04		
11/6/2019	0.012	0.0097			0.013	0.017
11/7/2019			0.019	0.027		
4/16/2020	0.012	0.012			0.014	0.017
4/17/2020			0.026	0.032		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.0005	<0.0005					
3/1/2016			<0.0005	<0.0005	0.0013 (J)	<0.0005	<0.0005
5/2/2016	<0.0005						
5/4/2016		<0.0005					<0.0005
5/5/2016			<0.0005	<0.0005	0.00088 (J)	<0.0005	
7/5/2016	<0.0005						
7/7/2016			<0.0005	<0.0005	0.001 (J)	<0.0005	
7/8/2016		<0.0005					<0.0005
9/6/2016	<0.0005	<0.0005	<0.0005				
9/7/2016				<0.0005	0.00078 (J)	<0.0005	<0.0005
11/7/2016	<0.0005						
11/9/2016					0.0012 (J)	<0.0005	<0.0005
11/10/2016		<0.0005	<0.0005	<0.0005			
1/9/2017	<0.0005						
1/11/2017		<0.0005			0.0014 (J)	<0.0005	<0.0005
1/12/2017			<0.0005	<0.0005			
3/13/2017	<0.0005						
3/14/2017		<0.0005			0.0013 (J)	<0.0005	<0.0005
3/15/2017			<0.0005	<0.0005			
5/15/2017	<0.0005						
5/18/2017		<0.0005	<0.0005	<0.0005	0.0016 (J)	<0.0005	<0.0005
3/12/2018	<0.0005						
3/14/2018		<0.0005	<0.0005	<0.0005	0.0011 (J)	<0.0005	<0.0005
6/5/2018	<0.0005						
6/10/2018		<0.0005			0.0011 (J)	<0.0005	<0.0005
6/11/2018			<0.0005	<0.0005			
10/16/2018	<0.0005						
10/18/2018		<0.0005		<0.0005	0.00084 (J)	<0.0005	<0.0005
10/19/2018			<0.0005				
2/27/2019	<0.0005	<0.0005					
3/1/2019					0.00057 (J)	<0.0005	<0.0005
3/2/2019			<0.0005	<0.0005			
5/31/2019	<0.0005	<0.0005					
6/3/2019			<0.0005		0.00074 (J)	<0.0005	<0.0005
6/11/2019				<0.0005			
11/6/2019	9E-05 (J)	4.7E-05 (J)					
11/7/2019				<0.0005	0.00065		
11/9/2019			<0.0005			<0.0005	<0.0005
4/16/2020	5.4E-05 (J)	4.3E-05 (J)					
4/17/2020				<0.0005			<0.0005
4/18/2020			0.00011 (J)		0.00096	<0.0005	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0005	<0.0005				
3/1/2016					<0.0005	<0.0005
3/2/2016			<0.0005	<0.0005		
5/2/2016	<0.0005	<0.0005				<0.0005
5/3/2016					<0.0005	
5/5/2016			<0.0005	<0.0005		
7/5/2016	<0.0005	<0.0005			<0.0005	<0.0005
7/7/2016			<0.0005	<0.0005		
9/6/2016	<0.0005	<0.0005			<0.0005	<0.0005
9/7/2016			<0.0005	<0.0005		
11/7/2016	<0.0005	<0.0005			<0.0005	<0.0005
11/10/2016			<0.0005	<0.0005		
1/9/2017	<0.0005	<0.0005			<0.0005	<0.0005
1/12/2017			<0.0005	<0.0005		
3/13/2017	<0.0005	<0.0005			<0.0005	<0.0005
3/14/2017			<0.0005			
3/15/2017				<0.0005		
5/15/2017	<0.0005	<0.0005			<0.0005	<0.0005
5/18/2017			<0.0005	<0.0005		
3/12/2018	<0.0005	<0.0005			<0.0005	<0.0005
3/14/2018			<0.0005	<0.0005		
6/5/2018	<0.0005	<0.0005				
6/6/2018					<0.0005	<0.0005
6/11/2018			<0.0005	<0.0005		
10/16/2018	<0.0005	<0.0005				
10/17/2018					<0.0005	<0.0005
10/18/2018			<0.0005	<0.0005		
2/27/2019	<0.0005	<0.0005			<0.0005	<0.0005
3/1/2019			<0.0005	<0.0005		
5/31/2019	<0.0005	<0.0005			<0.0005	<0.0005
6/3/2019			<0.0005	<0.0005		
11/6/2019	6.6E-05 (J)	<0.0005			<0.0005	<0.0005
11/7/2019			<0.0005	8.4E-05 (J)		
4/16/2020	6.1E-05 (J)	<0.0005			<0.0005	<0.0005
4/17/2020			4.4E-05 (J)	0.00013 (J)		

Time Series

Constituent: Boron (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.05	<0.05					
3/1/2016			<0.05	<0.05	8.7	<0.05	<0.05
5/2/2016	<0.05						
5/4/2016		<0.05					<0.05
5/5/2016			<0.05	<0.05	7.8	<0.05	
7/5/2016	<0.05						
7/7/2016			<0.05	0.33	7	1	
7/8/2016		<0.05					<0.05
9/6/2016	<0.05	<0.05	<0.05				
9/7/2016				0.37	12	0.53	0.022 (J)
11/7/2016	<0.05						
11/9/2016					9.6	1.6	<0.05
11/10/2016		<0.05	<0.05	0.43			
1/9/2017	<0.05						
1/11/2017		<0.05			11	0.9	<0.05
1/12/2017			<0.05	0.44			
3/13/2017	<0.05						
3/14/2017		<0.05			10	0.63	0.071
3/15/2017			<0.05	0.46			
5/15/2017	<0.05						
5/18/2017		<0.05	<0.05	0.44	15	1.5	<0.05
10/2/2017	<0.05						
10/5/2017		<0.05			12	0.32	<0.05
10/6/2017			<0.05	0.37			
12/19/2017				0.35 (R)	11 (R)	1.6 (R)	
3/12/2018	<0.05						
3/14/2018		<0.05	<0.05	0.32	11	0.7	<0.05
6/5/2018	<0.05						
6/10/2018		<0.05			12	2.4	0.066
6/11/2018			<0.05	0.26			
10/16/2018	<0.05						
10/18/2018		0.081		0.25	9.6	0.43	0.067
10/19/2018			0.34				
2/27/2019	<0.05	<0.05					
3/1/2019					6.5	0.4	0.048 (J)
3/2/2019			<0.05	<0.05			
5/31/2019	<0.05	<0.05					
6/3/2019			0.17		11	1.7	<0.05
6/11/2019				0.39			
11/6/2019	0.017 (V)	0.016 (V)					
11/7/2019				0.19	11		
11/9/2019			0.023 (J)			1.8	0.097 (V)
4/16/2020	0.02	0.013					
4/17/2020				0.31			0.07
4/18/2020			0.012		11	1.7	

Time Series

Constituent: Boron (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.05	<0.05				
3/1/2016					<0.05	<0.05
3/2/2016			<0.05	3		
5/2/2016	<0.05	<0.05				<0.05
5/3/2016					<0.05	
5/5/2016			<0.05	2.9		
7/5/2016	<0.05	<0.05			<0.05	<0.05
7/7/2016			0.1	3		
9/6/2016	<0.05	<0.05			<0.05	<0.05
9/7/2016			0.073	3.8		
11/7/2016	<0.05	<0.05			<0.05	<0.05
11/10/2016			0.073	2.1		
1/9/2017	<0.05	<0.05			<0.05	<0.05
1/12/2017			0.059	4		
3/13/2017	<0.05	0.022 (J)			<0.05	<0.05
3/14/2017			0.044 (J)			
3/15/2017				4.2		
5/15/2017	<0.05	<0.05			<0.05	<0.05
5/18/2017			<0.05	4.4		
10/2/2017	<0.05	0.023 (J)			<0.05	<0.05
10/5/2017			0.047 (J)			
10/6/2017				2.3		
12/19/2017				5.3 (R)		
3/12/2018	<0.05	<0.05			<0.05	<0.05
3/14/2018			<0.05	4.6		
6/5/2018	<0.05	<0.05				
6/6/2018					<0.05	<0.05
6/11/2018			0.11	4.2		
10/16/2018	<0.05	<0.05				
10/17/2018					<0.05	<0.05
10/18/2018			0.15	4.3		
2/27/2019	<0.05	<0.05			<0.05	<0.05
3/1/2019			0.23	3.8		
5/31/2019	<0.05	<0.05			<0.05	<0.05
6/3/2019			0.45	3		
11/6/2019	0.016 (V)	0.022 (V)			0.011 (V)	0.0099 (J)
11/7/2019			0.42	4.2		
4/16/2020	0.013	0.017			0.0075 (J)	0.0055 (J)
4/17/2020			0.83	4.6		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.0005	<0.0005					
3/1/2016			<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
5/2/2016	<0.0005						
5/4/2016		<0.0005					<0.0005
5/5/2016			<0.0005	<0.0005	<0.0005	<0.0005	
7/5/2016	<0.0005						
7/7/2016			<0.0005	<0.0005	<0.0005	<0.0005	
7/8/2016		<0.0005					<0.0005
9/6/2016	<0.0005	<0.0005	<0.0005				
9/7/2016				<0.0005	<0.0005	<0.0005	<0.0005
11/7/2016	<0.0005						
11/9/2016					<0.0005	<0.0005	<0.0005
11/10/2016		<0.0005	<0.0005	<0.0005			
1/9/2017	<0.0005						
1/11/2017		<0.0005			0.00049 (J)	<0.0005	<0.0005
1/12/2017			<0.0005	<0.0005			
3/13/2017	<0.0005						
3/14/2017		<0.0005			<0.0005	<0.0005	<0.0005
3/15/2017			<0.0005	<0.0005			
5/15/2017	<0.0005						
5/18/2017		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/12/2018	<0.0005						
3/14/2018		<0.0005	<0.0005	<0.0005	0.00052 (J)	<0.0005	<0.0005
6/5/2018	<0.0005						
6/10/2018		<0.0005			0.00049 (J)	<0.0005	<0.0005
6/11/2018			<0.0005	<0.0005			
10/16/2018	<0.0005						
10/18/2018		<0.0005		<0.0005	0.00044 (J)	<0.0005	<0.0005
10/19/2018			<0.0005				
2/27/2019	<0.0005	<0.0005					
3/1/2019					0.00038 (J)	<0.0005	<0.0005
3/2/2019			<0.0005	<0.0005			
5/31/2019	<0.0005	<0.0005					
6/3/2019			<0.0005		0.0006 (J)	<0.0005	<0.0005
6/11/2019				<0.0005			
11/6/2019	<0.0005	<0.0005					
11/7/2019				<0.0005	0.00075		
11/9/2019			<0.0005			<0.0005	<0.0005
4/16/2020	<0.0005	<0.0005					
4/17/2020				<0.0005			<0.0005
4/18/2020			<0.0005		0.00037 (J)	<0.0005	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0005	<0.0005				
3/1/2016					<0.0005	<0.0005
3/2/2016			<0.0005	<0.0005		
5/2/2016	<0.0005	<0.0005				<0.0005
5/3/2016					<0.0005	
5/5/2016			<0.0005	<0.0005		
7/5/2016	<0.0005	<0.0005			<0.0005	<0.0005
7/7/2016			<0.0005	<0.0005		
9/6/2016	<0.0005	<0.0005			<0.0005	<0.0005
9/7/2016			<0.0005	<0.0005		
11/7/2016	<0.0005	<0.0005			<0.0005	<0.0005
11/10/2016			<0.0005	<0.0005		
1/9/2017	<0.0005	<0.0005			<0.0005	<0.0005
1/12/2017			<0.0005	<0.0005		
3/13/2017	<0.0005	<0.0005			<0.0005	<0.0005
3/14/2017			<0.0005			
3/15/2017				<0.0005		
5/15/2017	<0.0005	<0.0005			<0.0005	<0.0005
5/18/2017			<0.0005	<0.0005		
3/12/2018	<0.0005	<0.0005			<0.0005	<0.0005
3/14/2018			<0.0005	<0.0005		
6/5/2018	<0.0005	<0.0005				
6/6/2018					<0.0005	<0.0005
6/11/2018			<0.0005	<0.0005		
10/16/2018	<0.0005	<0.0005				
10/17/2018					<0.0005	<0.0005
10/18/2018			<0.0005	<0.0005		
2/27/2019	<0.0005	<0.0005			<0.0005	<0.0005
3/1/2019			<0.0005	<0.0005		
5/31/2019	<0.0005	<0.0005			<0.0005	<0.0005
6/3/2019			<0.0005	<0.0005		
11/6/2019	<0.0005	<0.0005			<0.0005	<0.0005
11/7/2019			7.8E-05 (J)	0.00032 (J)		
4/16/2020	<0.0005	<0.0005			<0.0005	<0.0005
4/17/2020			<0.0005	0.00011 (J)		

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	1	1 (J)					
3/1/2016			0.99 (J)	5.6	46	63	1.8
5/2/2016	0.78						
5/4/2016		0.62					1.1
5/5/2016			1.2	5.4	37	58	
7/5/2016	0.65						
7/7/2016			1.1	3.9	38	55	
7/8/2016		0.4					0.82
9/6/2016	0.7	0.45	1				
9/7/2016				4.2	55	59	0.57
11/7/2016	0.8						
11/9/2016					52	61	0.62
11/10/2016		0.44	0.73	3.5			
1/9/2017	0.74						
1/11/2017		0.42			56	66	0.44
1/12/2017			0.63	3.3			
3/13/2017	0.78						
3/14/2017		0.42			55	63	0.46
3/15/2017			0.72	4.1			
5/15/2017	0.76						
5/18/2017		0.38	0.71	3.9	61	68	0.41
10/2/2017	0.78						
10/5/2017		0.39			55	58	0.39
10/6/2017			0.56	4.3			
12/19/2017				3.7 (R)	47 (R)	69 (R)	
3/12/2018	0.88						
3/14/2018		0.49	0.63	3.9	55	62	0.47
6/5/2018	0.9						
6/10/2018		0.39			67	86	0.39
6/11/2018			0.55	3.5			
10/16/2018	0.86						
10/18/2018		0.41		3.1	52	63	0.47
10/19/2018			0.37				
2/27/2019	0.96	0.44					
3/1/2019					28	51	0.46
3/2/2019			0.57	0.56			
5/31/2019	0.76	0.28					
6/3/2019			2		49	65	0.38
6/11/2019				3.5			
11/6/2019	0.88	0.46					
11/7/2019				3.4	62		
11/9/2019			0.61 (V)			84	0.56 (V)
4/16/2020	0.84	0.38					
4/17/2020				3.5			0.42
4/18/2020			0.45		62	58	

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	0.67	1.4				
3/1/2016					0.6	1.5
3/2/2016			2	23		
5/2/2016	0.58	1.1				0.83
5/3/2016					0.55	
5/5/2016			2.6	21		
7/5/2016	0.43	0.94			0.53	1.6
7/7/2016			2.9	20		
9/6/2016	0.48	1			0.5	1.6
9/7/2016			3.1	20		
11/7/2016	0.56	1.2			0.68	1.5
11/10/2016			2.7	8.7		
1/9/2017	0.43	1.2			0.56	0.98
1/12/2017			2.9	27		
3/13/2017	0.48	1.3			0.62	0.75
3/14/2017			3.1			
3/15/2017				32		
5/15/2017	0.37	1			0.58	0.83
5/18/2017			3	30		
10/2/2017	0.47	1.2			0.62	0.83
10/5/2017			3.7			
10/6/2017				15		
12/19/2017			3.1 (R)	41 (R)		
3/12/2018	0.49	1.4			0.59	0.71
3/14/2018			3.1	35		
6/5/2018	0.49	1.2				
6/6/2018					0.59	0.68
6/11/2018			2.6	30		
10/16/2018	0.42	1.4				
10/17/2018					0.54	0.66
10/18/2018			2.8	38		
2/27/2019	0.56	1.3			0.63	0.7
3/1/2019			3.1	28		
5/31/2019	0.33	1.1			0.45	0.52
6/3/2019			3.9	13		
11/6/2019	0.49	1.2			0.55	0.74
11/7/2019			4.3	32		
4/16/2020	0.36	1.3			0.53	0.59
4/17/2020			5.2	29		

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	5.3	5.4					
3/1/2016			4.8	6.6	90	36	4.4
5/2/2016	4.4						
5/4/2016		4.5					3
5/5/2016			5.6	6.5	63	34	
7/5/2016	4.2						
7/7/2016			5	7.3	75	34	
7/8/2016		4.9					3.5
9/6/2016	4.3	4.3	4.8				
9/7/2016				7.4	140	33	3.3
11/7/2016	4.2						
11/9/2016					180	38	3.9
11/10/2016		4.5	4.7	8.4			
1/9/2017	5.3						
1/11/2017		5.3			200	34	4.1
1/12/2017			5.6	9.2			
3/13/2017	5.2						
3/14/2017		5.5			150	35	4
3/15/2017			5.9	9.5			
5/15/2017	4.8						
5/18/2017		5	5.7	9.9	190	60	4
10/2/2017	5.5						
10/5/2017		5.6			120	33	4.5
10/6/2017			6	10			
12/19/2017				9.3 (R)	84 (R)	120 (R)	
3/12/2018	5.3						
3/14/2018		5.2	5.2	7.7	160	45	3.7
6/5/2018	5.3						
6/10/2018		5.2			190	140	3.6
6/11/2018			4.9	8			
10/16/2018	5.5						
10/18/2018		5.2		12	100	32	5
10/19/2018			6.7				
2/27/2019	4.6	5.1					
3/1/2019					42	30	1.7 (J)
3/2/2019			4.4	8.5			
5/31/2019	5.1	5					
6/3/2019			13		110	86	3.3
6/11/2019				17			
11/6/2019	5.8	6					
11/7/2019				15	120		
11/9/2019			6.1			200	4.7
4/16/2020	6.1	5.8					
4/17/2020				20			4.8
4/18/2020			6.3		130	73	

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	8.1	7.4				
3/1/2016					5.6	4
3/2/2016			5	87		
5/2/2016	6	6.3				3.6
5/3/2016					5.1	
5/5/2016			6.8	87		
7/5/2016	5.2	4.8			4.7	3.6
7/7/2016			6.7	83		
9/6/2016	5.5	6			4.4	4
9/7/2016			4.8	80		
11/7/2016	5.4	5.7			4.6	4.4
11/10/2016			4.2	35		
1/9/2017	6.1	6.8			5.3	4.4
1/12/2017			4.4	130		
3/13/2017	5.5	6.8			5.6	4.1
3/14/2017			4.4			
3/15/2017				150		
5/15/2017	4.7	6.1			5.2	3.7
5/18/2017			5	140		
10/2/2017	6.1	6			5.5	4.8
10/5/2017			5.8			
10/6/2017				62		
12/19/2017				180 (R)		
3/12/2018	6.1	5.9			5.6	4
3/14/2018			6.9	140		
6/5/2018	5.5	6.5				
6/6/2018					5.6	4.1
6/11/2018			6	140		
10/16/2018	5.1	5.9				
10/17/2018					5.5	3.7
10/18/2018			7.5	160		
2/27/2019	5	4.3			5.1	4
3/1/2019			7.2	140		
5/31/2019	5.4	4.5			5.4	3.7
6/3/2019			8.5	79		
11/6/2019	6.1	5.7			5.9	4.7
11/7/2019			18	120		
4/16/2020	5.3	5.6			6.2	4.9
4/17/2020			29	120		

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.0005	<0.0005					
3/1/2016			<0.0005	<0.0005	<0.0005	0.0023 (J)	<0.0005
5/2/2016	0.0029						
5/4/2016		<0.0005					<0.0005
5/5/2016			<0.0005	<0.0005	0.0014 (J)	<0.0005	
7/5/2016	<0.0005						
7/7/2016			<0.0005	<0.0005	0.0014 (J)	0.002 (J)	
7/8/2016		<0.0005					<0.0005
9/6/2016	<0.0005	<0.0005	<0.0005				
9/7/2016				<0.0005	0.0019 (J)	0.0029	<0.0005
11/7/2016	<0.0005						
11/9/2016					0.0023 (J)	0.0025	<0.0005
11/10/2016		<0.0005	<0.0005	<0.0005			
1/9/2017	<0.0005						
1/11/2017		<0.0005			0.0024 (J)	0.002 (J)	<0.0005
1/12/2017			<0.0005	<0.0005			
3/13/2017	<0.0005						
3/14/2017		<0.0005			0.0023 (J)	0.0025	<0.0005
3/15/2017			<0.0005	<0.0005			
5/15/2017	<0.0005						
5/18/2017		<0.0005	<0.0005	<0.0005	0.0023 (J)	0.002 (J)	<0.0005
3/12/2018	<0.0005						
3/14/2018		<0.0005	<0.0005	<0.0005	0.0023 (J)	0.0022 (J)	<0.0005
6/5/2018	<0.0005						
6/10/2018		<0.0005			0.0022 (J)	0.002 (J)	<0.0005
6/11/2018			<0.0005	<0.0005			
10/16/2018	<0.0005						
10/18/2018		<0.0005		<0.0005	0.0016 (J)	0.0029	<0.0005
10/19/2018			<0.0005				
2/27/2019	<0.0005	<0.0005					
3/1/2019					<0.0005	0.0026	<0.0005
3/2/2019			0.0028	0.0052			
5/31/2019	<0.0005	<0.0005					
6/3/2019			<0.0005		0.0015 (J)	0.0022 (J)	<0.0005
6/11/2019				0.0011 (J)			
11/6/2019	<0.0005	<0.0005					
11/7/2019				0.00028 (J)	<0.0005		
11/9/2019			0.00037 (J)			0.0022 (J)	<0.0005
4/16/2020	<0.0005	<0.0005					
4/17/2020				0.00026 (J)			<0.0005
4/18/2020			<0.0005		0.0016	0.0029	

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0005	<0.0005				
3/1/2016					<0.0005	0.00056 (J)
3/2/2016			<0.0005	<0.0005		
5/2/2016	0.0019 (J)	0.0034				0.0021 (J)
5/3/2016					0.0012 (J)	
5/5/2016			<0.0005	<0.0005		
7/5/2016	0.0051	0.0059			<0.0005	<0.0005
7/7/2016			<0.0005	<0.0005		
9/6/2016	<0.0005	<0.0005			<0.0005	<0.0005
9/7/2016			<0.0005	<0.0005		
11/7/2016	<0.0005	<0.0005			<0.0005	<0.0005
11/10/2016			<0.0005	<0.0005		
1/9/2017	0.017 (o)	<0.0005			<0.0005	<0.0005
1/12/2017			<0.0005	<0.0005		
3/13/2017	<0.0005	<0.0005			<0.0005	<0.0005
3/14/2017			<0.0005			
3/15/2017				<0.0005		
5/15/2017	<0.0005	<0.0005			<0.0005	<0.0005
5/18/2017			<0.0005	<0.0005		
3/12/2018	<0.0005	<0.0005			<0.0005	<0.0005
3/14/2018			<0.0005	<0.0005		
6/5/2018	<0.0005	<0.0005				
6/6/2018					<0.0005	<0.0005
6/11/2018			<0.0005	<0.0005		
10/16/2018	<0.0005	<0.0005				
10/17/2018					<0.0005	<0.0005
10/18/2018			<0.0005	<0.0005		
2/27/2019	<0.0005	<0.0005			<0.0005	<0.0005
3/1/2019			<0.0005	<0.0005		
5/31/2019	<0.0005	<0.0005			<0.0005	<0.0005
6/3/2019			<0.0005	<0.0005		
11/6/2019	<0.0005	<0.0005			<0.0005	<0.0005
11/7/2019			<0.0005	0.00042 (J)		
4/16/2020	<0.0005	<0.0005			<0.0005	<0.0005
4/17/2020			<0.0005	0.0004 (J)		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	0.00039 (J)	<0.0025					
3/1/2016			<0.0025	0.001 (J)	0.017	<0.0025	0.0007 (J)
5/2/2016	0.0013 (J)						
5/4/2016		<0.0025					0.001 (J)
5/5/2016			<0.0025	0.00064 (J)	0.012	<0.0025	
7/5/2016	0.00049 (J)						
7/7/2016			<0.0025	<0.0025	0.012	<0.0025	
7/8/2016		<0.0025					0.00057 (J)
9/6/2016	0.00062 (J)	0.00042 (J)	<0.0025				
9/7/2016				0.00044 (J)	0.018	<0.0025	0.00061 (J)
11/7/2016	0.00049 (J)						
11/9/2016					0.022	<0.0025	0.00055 (J)
11/10/2016		<0.0025	<0.0025	<0.0025			
1/9/2017	0.00045 (J)						
1/11/2017		<0.0025			0.025	<0.0025	0.00045 (J)
1/12/2017			<0.0025	<0.0025			
3/13/2017	0.00048 (J)						
3/14/2017		<0.0025			0.019	<0.0025	0.00059 (J)
3/15/2017			<0.0025	<0.0025			
5/15/2017	0.00052 (J)						
5/18/2017		<0.0025	<0.0025	<0.0025	0.023	<0.0025	0.00059 (J)
3/12/2018	0.00055 (J)						
3/14/2018		<0.0025	<0.0025	<0.0025	0.014	<0.0025	0.00044 (J)
6/5/2018	0.00051 (J)						
6/10/2018		<0.0025			0.029	<0.0025	0.0004 (J)
6/11/2018			<0.0025	<0.0025			
10/16/2018	0.00058 (J)						
10/18/2018		<0.0025		<0.0025	0.016	<0.0025	<0.0025
10/19/2018			<0.0025				
2/27/2019	0.00065 (J)	<0.0025					
3/1/2019					0.009	<0.0025	<0.0025
3/2/2019			<0.0025	0.00041 (J)			
5/31/2019	0.00046 (J)	<0.0025					
6/3/2019			<0.0025		0.015	<0.0025	<0.0025
6/11/2019				<0.0025			
11/6/2019	0.00056 (J)	0.00033 (J)					
11/7/2019				0.00015 (J)	0.022		
11/9/2019			0.00016 (J)			0.00087 (J)	0.00036 (J)
4/16/2020	0.00058	0.00035 (J)					
4/17/2020				0.00021 (J)			0.00036 (J)
4/18/2020			0.00023 (J)		0.013	0.00037 (J)	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	0.00064 (J)	0.00023 (J)				
3/1/2016					0.00064 (J)	0.00071 (J)
3/2/2016			0.00075 (J)	0.0047 (J)		
5/2/2016	0.0014 (J)	0.00092 (J)				0.001 (J)
5/3/2016					0.00079 (J)	
5/5/2016			0.0042	0.0047		
7/5/2016	0.0027	0.0032			<0.0025	0.00055 (J)
7/7/2016			0.0043	0.0041		
9/6/2016	0.00062 (J)	<0.0025			0.00094 (J)	0.00057 (J)
9/7/2016			0.0049	0.0047		
11/7/2016	0.00058 (J)	<0.0025			0.00041 (J)	0.00047 (J)
11/10/2016			0.004	0.0043		
1/9/2017	0.00059 (J)	<0.0025			0.00074 (J)	0.00054 (J)
1/12/2017			0.0045	0.0048		
3/13/2017	0.0005 (J)	<0.0025			0.00091 (J)	0.0004 (J)
3/14/2017			0.0039			
3/15/2017				0.0066		
5/15/2017	0.00046 (J)	<0.0025			0.00075 (J)	0.00046 (J)
5/18/2017			0.005	0.0065		
3/12/2018	0.00055 (J)	<0.0025			0.00044 (J)	<0.0025
3/14/2018			0.0038	0.012		
6/5/2018	0.00052 (J)	<0.0025				
6/6/2018					0.0004 (J)	0.00048 (J)
6/11/2018			0.0044	0.0096		
10/16/2018	0.00045 (J)	<0.0025				
10/17/2018					<0.0025	0.00043 (J)
10/18/2018			0.0036	0.025		
2/27/2019	0.00056 (J)	<0.0025			<0.0025	0.00045 (J)
3/1/2019			0.0052	0.02		
5/31/2019	<0.0025	<0.0025			<0.0025	<0.0025
6/3/2019			0.0071	0.0053		
11/6/2019	0.00048 (J)	0.00019 (J)			0.00029 (J)	0.00094 (J)
11/7/2019			0.0085	0.019		
4/16/2020	0.00043 (J)	0.00021 (J)			0.00029 (J)	0.00053
4/17/2020			0.0089	0.013		

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	1.27	1.09					
3/1/2016			0.996	5.24	11.8	4.21	0.872
5/2/2016	0.808						
5/4/2016		0.848					<5
5/5/2016			2.82	4.13	9.43	2.24	
7/5/2016	0.947						
7/7/2016			1.58	7.01	13.8	3.28	
7/8/2016		1.46					1.02
9/6/2016	1.07	1.34	1.46				
9/7/2016				7.94	13.7	2.83	0.826
11/7/2016	0.602						
11/9/2016					16.9	4.28	1.17
11/10/2016		1.23	1.92	7			
1/9/2017	0.865						
1/11/2017		1.11			24.9	4.62	0.924
1/12/2017			1.48	7.87			
3/13/2017	0.693						
3/14/2017		1.01			15.5	2.28	0.889
3/15/2017			1.41	7.1			
5/15/2017	0.786						
5/18/2017		0.745	1.23	7.26	19.8	3	0.338
3/12/2018	0.933						
3/14/2018		0.614	1.64	7.02	13.1	2.82	0.789
6/5/2018	0.713						
6/10/2018		0.959			19.1	6.2	0.852
6/11/2018			1.51	5.54			
10/16/2018	2.14						
10/18/2018		0.944		5.59	12.1	2.89	1.05
10/19/2018			1				
2/27/2019	0.651	0.827					
3/1/2019					10.4	2.89	1.01
3/2/2019			1.5	1.69			
5/31/2019	1.33	0.99					
6/3/2019			2.67		19.1	4.84	1.33
6/11/2019				5.8			
11/6/2019	1.32	0.892					
11/7/2019				4.83	20.8		
11/9/2019			1.31			6.06	0.663
4/16/2020	0.971	0.497					
4/17/2020				5.33			0.604
4/18/2020			0.931		13.8	2.03	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	1.42	2.4				
3/1/2016					0.647	<5
3/2/2016			2.39	7.8		
5/2/2016	1.03	1.62				<5
5/3/2016					0.748	
5/5/2016			1.54	5.51		
7/5/2016	0.961	1.01			0.591	<5
7/7/2016			2.17	7.65		
9/6/2016	1.07	1.8			0.831	0.566
9/7/2016			2.24	5.9		
11/7/2016	0.818	1.86			0.983	0.784
11/10/2016			2.69	5.04		
1/9/2017	0.934	2.25			0.767	0.541
1/12/2017			1.81	9.04		
3/13/2017	0.937	1.87			1.26	0.442
3/14/2017			1.74			
3/15/2017				6.46		
5/15/2017	0.685	1.4			0.553	0.345
5/18/2017			1.7	8.31		
3/12/2018	1.09	1.97			0.783	0.848
3/14/2018			1.99	7.06		
6/5/2018	0.927	2.17				
6/6/2018					1.08	0.78
6/11/2018			1.59	7.06		
10/16/2018	1.07	2.2				
10/17/2018					1.19	0.88
10/18/2018			1.77	7.22		
2/27/2019	0.912	1.8			0.741	0.431
3/1/2019			1.51	5.59		
5/31/2019	1.24	1.8			0.759	0.884
6/3/2019			0.42 (U)	4.73		
11/6/2019	0.509 (U)	2.32			0.105 (U)	0.366 (U)
11/7/2019			3.07	5.46		
4/16/2020	0.568	1.35			0.588	0.264 (U)
4/17/2020			2.45	4.26		

Time Series

Constituent: Field pH (SU) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	5.11	5.26					
3/1/2016			5.03	5.86	4.09	6.12	5.84
5/2/2016	4.76						
5/4/2016		5.1					5.69
5/5/2016			5.03	5.77	4.12	6.25	
7/5/2016	5.12						
7/7/2016			4.85	5.45	3.99	5.99	
7/8/2016		4.96					5.49
9/6/2016	5.11	5.43	4.84				
9/7/2016				5.01	4.06	6.03	5.22
11/7/2016	4.76						
11/9/2016					4.05	6.01	5.39
11/10/2016		4.89	4.72	4.99			
1/9/2017	4.99						
1/11/2017		4.87			4.01	6.04	5.12
1/12/2017			4.79	4.95			
3/13/2017	4.57						
3/14/2017		4.71			4.06	6.11	5.05
3/15/2017			4.81	5.03			
5/15/2017	4.6						
5/18/2017		4.5	4.5	4.75	3.65	5.88	4.68
10/2/2017	4.64						
10/5/2017		4.63			3.79	6.07	4.77
10/6/2017			4.56	5.07			
12/19/2017				5.1 (R)	4.1 (R)	6.11 (R)	
3/12/2018	4.85						
3/14/2018		5.14	5.08	4.89	4.2	6.29	5.28
6/5/2018	4.92						
6/10/2018		5.12			3.97	5.96	4.99
6/11/2018			4.81	5.02			
10/16/2018	4.93						
10/18/2018		4.97		4.93	4.12	6.19	5.07
10/19/2018			5.15				
2/27/2019	4.75	4.84					
3/1/2019					4.19	6.27	5.13
3/2/2019			4.81	5.58			
5/31/2019	4.9	4.92					
6/3/2019			4.7		4.17	6.23	5.12
6/11/2019				4.97			
11/6/2019	4.82	4.94					
11/7/2019				4.99	4.03		
11/9/2019			4.78			6.19	5.06
4/16/2020	5.03	5.17					
4/17/2020				5.07			5.23
4/18/2020			4.96		4.08	6.21	

Time Series

Constituent: Field pH (SU) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	5.11	4.9				
3/1/2016					5.08	6.37
3/2/2016			5.015 (D)	5.015 (D)		
5/2/2016	4.77	4.69				5.605 (D)
5/3/2016					5.14	
5/5/2016			4.87	5.04		
7/5/2016	5.48	7.11 (o)			5.38	6.29
7/7/2016			4.86	5.55		
9/6/2016	5.12	5.19			5.37	6.42
9/7/2016			4.72	4.86		
11/7/2016	4.73	4.64			4.92	5.75
11/10/2016			4.72	5.19		
1/9/2017	5	4.94			5.05	5.98
1/12/2017			4.67	4.84		
3/13/2017	4.74	4.63			4.87	5.81
3/14/2017			4.77			
3/15/2017				4.86		
5/15/2017	4.63	4.52			4.69	5.42
5/18/2017			4.43	4.59		
10/2/2017	4.63	4.54			4.88	5.63
10/5/2017			4.52			
10/6/2017				5.73		
12/19/2017			4.76 (R)	4.84 (R)		
3/12/2018	4.81	4.81			5.07	5.6
3/14/2018			4.71	4.75		
6/5/2018	5.04	4.9				
6/6/2018					5.09	5.58
6/11/2018			4.78	4.77		
10/16/2018	4.98	4.81				
10/17/2018					4.99	5.54
10/18/2018			4.76	4.73		
2/27/2019	4.78	4.71			4.87	5.4
3/1/2019			4.85	4.76		
5/31/2019	4.92	4.84			4.89	5.45
6/3/2019			4.75	5.56		
11/6/2019	4.88	4.78			5.04	5.52
11/7/2019			4.78	4.74		
4/16/2020	5.15	4.96			5.13	5.58
4/17/2020			4.75	4.7		

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.1	<0.1					
3/1/2016			<0.1	0.037 (J)	0.46	0.041 (J)	<0.1
5/2/2016	<0.1						
5/4/2016		<0.1					<0.1
5/5/2016			<0.1	<0.1	0.27	<0.1	
7/5/2016	<0.1						
7/7/2016			<0.1	<0.1	0.29	<0.1	
7/8/2016		<0.1					<0.1
9/6/2016	<0.1	<0.1	<0.1				
9/7/2016				<0.1	0.33	<0.1	<0.1
11/7/2016	<0.1						
11/9/2016					0.29	<0.1	<0.1
11/10/2016		<0.1	<0.1	<0.1			
1/9/2017	<0.1						
1/11/2017		<0.1			0.42	<0.1	<0.1
1/12/2017			<0.1	<0.1			
3/13/2017	<0.1						
3/14/2017		<0.1			0.34	<0.1	<0.1
3/15/2017			<0.1	<0.1			
5/15/2017	<0.1						
5/18/2017		<0.1	<0.1	<0.1	0.47	<0.1	<0.1
10/2/2017	<0.1						
10/5/2017		<0.1			0.22	<0.1	<0.1
10/6/2017			<0.1	<0.1			
12/19/2017					0.26 (R)		
3/12/2018	<0.1						
3/14/2018		0.12	<0.1	<0.1	0.3	<0.1	<0.1
6/5/2018	<0.1						
6/10/2018		<0.1			0.38	<0.1	<0.1
6/11/2018			<0.1	<0.1			
10/16/2018	<0.1						
10/18/2018		<0.1		<0.1	0.26	0.04 (J)	<0.1
10/19/2018			<0.1				
2/27/2019	<0.1	<0.1					
3/1/2019					0.1	<0.1	<0.1
3/2/2019			<0.1	<0.1			
5/31/2019	<0.1	<0.1					
6/3/2019			<0.1		0.22	0.04 (J)	<0.1
6/11/2019				<0.1			
11/6/2019	<0.1	<0.1					
11/7/2019				<0.1	0.21		
11/9/2019			<0.1			<0.1	<0.1
4/16/2020	<0.1	<0.1					
4/17/2020				<0.1			<0.1
4/18/2020			<0.1		0.3	0.04 (J)	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.1	<0.1				
3/1/2016					<0.1	0.033 (J)
3/2/2016			<0.1	0.039 (J)		
5/2/2016	<0.1	<0.1				<0.1
5/3/2016					<0.1	
5/5/2016			<0.1	<0.1		
7/5/2016	<0.1	<0.1			<0.1	<0.1
7/7/2016			<0.1	<0.1		
9/6/2016	<0.1	<0.1			<0.1	<0.1
9/7/2016			<0.1	<0.1		
11/7/2016	<0.1	<0.1			<0.1	<0.1
11/10/2016			<0.1	<0.1		
1/9/2017	<0.1	<0.1			<0.1	<0.1
1/12/2017			<0.1	<0.1		
3/13/2017	<0.1	<0.1			<0.1	<0.1
3/14/2017			<0.1			
3/15/2017				<0.1		
5/15/2017	<0.1	<0.1			<0.1	<0.1
5/18/2017			<0.1	<0.1		
10/2/2017	<0.1	<0.1			<0.1	<0.1
10/5/2017			<0.1			
10/6/2017				<0.1		
3/12/2018	<0.1	<0.1			<0.1	<0.1
3/14/2018			<0.1	<0.1		
6/5/2018	<0.1	<0.1				
6/6/2018					<0.1	<0.1
6/11/2018			<0.1	0.04 (J)		
10/16/2018	<0.1	<0.1				
10/17/2018					<0.1	<0.1
10/18/2018			<0.1	0.04 (J)		
2/27/2019	<0.1	<0.1			<0.1	<0.1
3/1/2019			<0.1	<0.1		
5/31/2019	<0.1	<0.1			<0.1	<0.1
6/3/2019			<0.1	0.04 (J)		
11/6/2019	<0.1	<0.1			<0.1	<0.1
11/7/2019			<0.1	0.04 (J)		
4/16/2020	<0.1	<0.1			<0.1	<0.1
4/17/2020			<0.1	0.04 (J)		

Time Series

Constituent: Lead (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.00025	<0.00025					
3/1/2016			<0.00025	<0.00025	0.0018 (J)	<0.00025	<0.00025
5/2/2016	<0.00025						
5/4/2016		<0.00025					<0.00025
5/5/2016			<0.00025	<0.00025	0.0015	<0.00025	
7/5/2016	<0.00025						
7/7/2016			<0.00025	<0.00025	0.0018	<0.00025	
7/8/2016		<0.00025					<0.00025
9/6/2016	<0.00025	<0.00025	<0.00025				
9/7/2016				<0.00025	0.0024	<0.00025	<0.00025
11/7/2016	<0.00025						
11/9/2016					0.0023	<0.00025	<0.00025
11/10/2016		<0.00025	<0.00025	<0.00025			
1/9/2017	<0.00025						
1/11/2017		<0.00025			0.0027	<0.00025	<0.00025
1/12/2017			<0.00025	<0.00025			
3/13/2017	<0.00025						
3/14/2017		<0.00025			0.0024	<0.00025	<0.00025
3/15/2017			<0.00025	<0.00025			
5/15/2017	<0.00025						
5/18/2017		<0.00025	<0.00025	<0.00025	0.0029	<0.00025	<0.00025
3/12/2018	<0.00025						
3/14/2018		<0.00025	<0.00025	<0.00025	0.0023	<0.00025	<0.00025
6/5/2018	<0.00025						
6/10/2018		<0.00025			0.0024	<0.00025	<0.00025
6/11/2018			<0.00025	<0.00025			
10/16/2018	<0.00025						
10/18/2018		<0.00025		<0.00025	0.002	<0.00025	0.00039 (J)
10/19/2018			<0.00025				
2/27/2019	<0.00025	<0.00025					
3/1/2019					0.0012 (J)	<0.00025	<0.00025
3/2/2019			<0.00025	<0.00025			
5/31/2019	<0.00025	<0.00025					
6/3/2019			<0.00025		0.0018	0.00091 (J)	<0.00025
6/11/2019				<0.00025			
11/6/2019	0.0001 (J)	<0.00025					
11/7/2019				0.00011 (J)	0.002		
11/9/2019			0.00014 (J)			0.00012 (J)	<0.00025
4/16/2020	6.6E-05 (J)	<0.00025					
4/17/2020				<0.00025			<0.00025
4/18/2020			0.00018 (J)		0.0024	<0.00025	

Time Series

Constituent: Lead (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.00025	<0.00025				
3/1/2016					<0.00025	<0.00025
3/2/2016			<0.00025	<0.00025		
5/2/2016	<0.00025	<0.00025				<0.00025
5/3/2016					<0.00025	
5/5/2016			<0.00025	<0.00025		
7/5/2016	<0.00025	<0.00025			<0.00025	<0.00025
7/7/2016			<0.00025	<0.00025		
9/6/2016	<0.00025	<0.00025			<0.00025	<0.00025
9/7/2016			<0.00025	<0.00025		
11/7/2016	<0.00025	<0.00025			<0.00025	<0.00025
11/10/2016			<0.00025	<0.00025		
1/9/2017	<0.00025	<0.00025			<0.00025	<0.00025
1/12/2017			<0.00025	<0.00025		
3/13/2017	<0.00025	<0.00025			<0.00025	<0.00025
3/14/2017			<0.00025			
3/15/2017				<0.00025		
5/15/2017	<0.00025	<0.00025			<0.00025	<0.00025
5/18/2017			<0.00025	<0.00025		
3/12/2018	<0.00025	<0.00025			<0.00025	<0.00025
3/14/2018			<0.00025	<0.00025		
6/5/2018	<0.00025	<0.00025				
6/6/2018					<0.00025	<0.00025
6/11/2018			<0.00025	<0.00025		
10/16/2018	<0.00025	<0.00025				
10/17/2018					<0.00025	<0.00025
10/18/2018			<0.00025	<0.00025		
2/27/2019	0.001 (J)	<0.00025			<0.00025	<0.00025
3/1/2019			<0.00025	<0.00025		
5/31/2019	<0.00025	<0.00025			<0.00025	<0.00025
6/3/2019			0.00067 (J)	0.00037 (J)		
11/6/2019	6.6E-05 (J)	8.4E-05 (J)			<0.00025	0.0002 (J)
11/7/2019			9.4E-05 (J)	0.0003 (J)		
4/16/2020	<0.00025	<0.00025			<0.00025	0.00016 (J)
4/17/2020			0.00011 (J)	0.00033		

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.001	<0.001					
3/1/2016			<0.001	<0.001	0.057	<0.001	<0.001
5/2/2016	<0.001						
5/4/2016		<0.001					<0.001
5/5/2016			<0.001	<0.001	0.044	<0.001	
7/5/2016	<0.001						
7/7/2016			<0.001	<0.001	0.04	<0.001	
7/8/2016		<0.001					<0.001
9/6/2016	<0.001	0.0037 (J)	<0.001				
9/7/2016				<0.001	0.033	<0.001	0.0073
11/7/2016	<0.001						
11/9/2016					0.035	<0.001	<0.001
11/10/2016		<0.001	<0.001	<0.001			
1/9/2017	<0.001						
1/11/2017		<0.001			0.028	<0.001	<0.001
1/12/2017			<0.001	<0.001			
3/13/2017	<0.001						
3/14/2017		<0.001			0.037	<0.001	0.0035 (J)
3/15/2017			<0.001	0.0038 (J)			
5/15/2017	<0.001						
5/18/2017		<0.001	<0.001	<0.001	0.024	<0.001	<0.001
3/12/2018	0.0011 (J)						
3/14/2018		<0.001	<0.001	0.002 (J)	0.028	<0.001	<0.001
6/5/2018	<0.001						
6/10/2018		<0.001			0.019	<0.001	<0.001
6/11/2018			<0.001	0.0015 (J)			
10/16/2018	<0.001						
10/18/2018		0.0013 (J)		0.0017 (J)	0.022	<0.001	0.0012 (J)
10/19/2018			0.0012 (J)				
2/27/2019	<0.001	<0.001					
3/1/2019					0.017	<0.001	0.0012 (J)
3/2/2019			0.0014 (J)	0.0011 (J)			
5/31/2019	0.0021 (J)	0.0013 (J)					
6/3/2019			<0.001		0.017	<0.001	<0.001
6/11/2019				0.0025 (J)			
11/6/2019	0.0011	0.001					
11/7/2019				0.00097 (J)	0.019		
11/9/2019			0.0009 (J)			<0.001	0.00068 (J)
4/16/2020	0.0006 (J)	<0.001					
4/17/2020				0.0021			0.00043 (J)
4/18/2020			<0.001		0.017	0.00039 (J)	

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.001	<0.001				
3/1/2016					<0.001	0.0037
3/2/2016			0.0095 (J)	0.0082 (J)		
5/2/2016	<0.001	<0.001				<0.001
5/3/2016					<0.001	
5/5/2016			0.0059	0.0072		
7/5/2016	<0.001	<0.001			<0.001	<0.001
7/7/2016			0.006	0.0092		
9/6/2016	<0.001	<0.001			<0.001	<0.001
9/7/2016			0.0049 (J)	0.0069		
11/7/2016	<0.001	<0.001			<0.001	0.0097 (o)
11/10/2016			0.0055	0.0045 (J)		
1/9/2017	<0.001	<0.001			<0.001	<0.001
1/12/2017			0.0045 (J)	0.0073		
3/13/2017	<0.001	<0.001			<0.001	<0.001
3/14/2017			0.0069			
3/15/2017				0.012		
5/15/2017	<0.001	<0.001			<0.001	<0.001
5/18/2017			0.0055	0.0084		
3/12/2018	0.0014 (J)	<0.001			<0.001	<0.001
3/14/2018			0.0059	0.012		
6/5/2018	0.0012 (J)	<0.001				
6/6/2018					<0.001	0.0021 (J)
6/11/2018			0.0042 (J)	0.009		
10/16/2018	0.0015 (J)	0.0013 (J)				
10/17/2018					<0.001	0.0012 (J)
10/18/2018			0.0062	0.011		
2/27/2019	<0.001	<0.001			<0.001	0.002 (J)
3/1/2019			0.0054	0.0077		
5/31/2019	0.0017 (J)	0.0017 (J)			0.0015 (J)	0.0026 (J)
6/3/2019			0.0054	0.0082		
11/6/2019	0.0011	<0.001			0.00063 (J)	0.0012
11/7/2019			0.0052	0.014		
4/16/2020	0.00063 (J)	<0.001			<0.001	0.00091 (J)
4/17/2020			0.0076	0.0092		

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.0002	<0.0002					
3/1/2016			<0.0002	<0.0002	0.00089	<0.0002	<0.0002
5/2/2016	<0.0002						
5/4/2016		<0.0002					<0.0002
5/5/2016			<0.0002	<0.0002	0.00054	<0.0002	
7/5/2016	<0.0002						
7/7/2016			<0.0002	<0.0002	0.00066 (V)	<0.0002	
7/8/2016		<0.0002					<0.0002
9/6/2016	<0.0002	<0.0002	<0.0002				
9/7/2016				<0.0002	0.0016	<0.0002	<0.0002
11/7/2016	<0.0002						
11/9/2016					0.0015	<0.0002	<0.0002
11/10/2016		<0.0002	<0.0002	<0.0002			
1/9/2017	<0.0002						
1/11/2017		<0.0002			0.0025	<0.0002	<0.0002
1/12/2017			<0.0002	<0.0002			
3/13/2017	<0.0002						
3/14/2017		<0.0002			0.0012	<0.0002	<0.0002
3/15/2017			<0.0002	<0.0002			
5/15/2017	<0.0002						
5/18/2017		<0.0002	<0.0002	<0.0002	0.0014	<0.0002	<0.0002
3/12/2018	<0.0002						
3/14/2018		9.3E-05 (J)	9.4E-05 (J)	0.00012 (J)	0.0011	<0.0002	8E-05 (J)
6/5/2018	<0.0002						
6/10/2018		<0.0002			0.0014	<0.0002	<0.0002
6/11/2018			<0.0002	<0.0002			
10/16/2018	<0.0002						
10/18/2018		<0.0002		<0.0002	0.00087	<0.0002	<0.0002
10/19/2018			9.4E-05 (J)				
2/27/2019	<0.0002	<0.0002					
3/1/2019					0.00077	<0.0002	<0.0002
3/2/2019			<0.0002	<0.0002			
5/31/2019	<0.0002	<0.0002					
6/3/2019			<0.0002		0.00054	<0.0002	<0.0002
6/11/2019				<0.0002			
11/6/2019	<0.0002	<0.0002					
11/7/2019				<0.0002	0.00053		
11/9/2019			<0.0002			<0.0002	<0.0002
4/16/2020	<0.0002	<0.0002					
4/17/2020				0.00062			<0.0002
4/18/2020			<0.0002		0.00069	<0.0002	

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	9.1E-05 (J)	<0.0002				
3/1/2016					<0.0002	<0.0002
3/2/2016			<0.0002	0.007		
5/2/2016	7.4E-05 (J)	<0.0002				<0.0002
5/3/2016					<0.0002	
5/5/2016			<0.0002	0.006		
7/5/2016	<0.0002	<0.0002			<0.0002	<0.0002
7/7/2016			<0.0002	0.0053		
9/6/2016	<0.0002	<0.0002			<0.0002	<0.0002
9/7/2016			<0.0002	0.0067		
11/7/2016	<0.0002	<0.0002			<0.0002	<0.0002
11/10/2016			<0.0002	0.00014 (J)		
1/9/2017	<0.0002	<0.0002			<0.0002	<0.0002
1/12/2017			<0.0002	0.0052		
3/13/2017	<0.0002	<0.0002			<0.0002	<0.0002
3/14/2017			<0.0002			
3/15/2017				0.0048		
5/15/2017	<0.0002	<0.0002			<0.0002	<0.0002
5/18/2017			<0.0002	0.0074		
3/12/2018	<0.0002	<0.0002			<0.0002	<0.0002
3/14/2018			9.7E-05 (J)	0.0059		
6/5/2018	<0.0002	<0.0002				
6/6/2018					<0.0002	<0.0002
6/11/2018			<0.0002	0.0042		
10/16/2018	<0.0002	<0.0002				
10/17/2018					<0.0002	<0.0002
10/18/2018			<0.0002	0.0034		
2/27/2019	<0.0002	<0.0002			<0.0002	<0.0002
3/1/2019			<0.0002	0.0041		
5/31/2019	<0.0002	<0.0002			<0.0002	<0.0002
6/3/2019			<0.0002	0.0025		
11/6/2019	<0.0002	<0.0002			<0.0002	<0.0002
11/7/2019			0.0012	0.0034		
4/16/2020	<0.0002	<0.0002			<0.0002	<0.0002
4/17/2020			0.0032	0.0063		

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.003	<0.003					
3/1/2016			<0.003	<0.003	<0.003	0.004 (J)	<0.003
5/2/2016	<0.003						
5/4/2016		<0.003					<0.003
5/5/2016			<0.003	<0.003	<0.003	0.0093 (J)	
7/5/2016	<0.003						
7/7/2016			<0.003	<0.003	<0.003	0.0047 (J)	
7/8/2016		<0.003					<0.003
9/6/2016	<0.003	<0.003	<0.003				
9/7/2016				<0.003	<0.003	0.004 (J)	<0.003
11/7/2016	<0.003						
11/9/2016					<0.003	0.0037 (J)	<0.003
11/10/2016		<0.003	<0.003	<0.003			
1/9/2017	<0.003						
1/11/2017		<0.003			<0.003	0.0052 (J)	<0.003
1/12/2017			<0.003	<0.003			
3/13/2017	0.0042 (J)						
3/14/2017		<0.003			<0.003	0.004 (J)	<0.003
3/15/2017			<0.003	<0.003			
5/15/2017	<0.003						
5/18/2017		<0.003	<0.003	<0.003	<0.003	0.0043 (J)	<0.003
3/12/2018	<0.003						
3/14/2018		<0.003	<0.003	<0.003	<0.003	0.0054 (J)	<0.003
6/5/2018	<0.003						
6/10/2018		<0.003			<0.003	0.0035 (J)	<0.003
6/11/2018			<0.003	<0.003			
10/16/2018	<0.003						
10/18/2018		<0.003		<0.003	<0.003	0.0032 (J)	<0.003
10/19/2018			<0.003				
2/27/2019	<0.003	<0.003					
3/1/2019					<0.003	0.0047 (J)	<0.003
3/2/2019			<0.003	<0.003			
5/31/2019	<0.003	<0.003					
6/3/2019			<0.003		<0.003	0.0033 (J)	<0.003
6/11/2019				<0.003			
11/6/2019	<0.003	<0.003					
11/7/2019				<0.003	<0.003		
11/9/2019			<0.003			0.0025 (J)	<0.003
4/16/2020	<0.003	<0.003					
4/17/2020				<0.003			<0.003
4/18/2020			<0.003		<0.003	0.003	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.003	<0.003				
3/1/2016					<0.003	<0.003
3/2/2016			<0.003	<0.003		
5/2/2016	<0.003	<0.003				<0.003
5/3/2016					<0.003	
5/5/2016			<0.003	<0.003		
7/5/2016	<0.003	<0.003			<0.003	<0.003
7/7/2016			<0.003	<0.003		
9/6/2016	<0.003	<0.003			<0.003	<0.003
9/7/2016			<0.003	<0.003		
11/7/2016	<0.003	<0.003			<0.003	<0.003
11/10/2016			<0.003	<0.003		
1/9/2017	<0.003	<0.003			<0.003	<0.003
1/12/2017			<0.003	<0.003		
3/13/2017	<0.003	0.0022 (J)			<0.003	<0.003
3/14/2017			<0.003			
3/15/2017				<0.003		
5/15/2017	<0.003	<0.003			<0.003	<0.003
5/18/2017			<0.003	<0.003		
3/12/2018	<0.003	<0.003			<0.003	<0.003
3/14/2018			<0.003	<0.003		
6/5/2018	0.00088 (J)	<0.003				
6/6/2018					<0.003	<0.003
6/11/2018			<0.003	<0.003		
10/16/2018	<0.003	<0.003				
10/17/2018					<0.003	<0.003
10/18/2018			<0.003	<0.003		
2/27/2019	<0.003	<0.003			<0.003	<0.003
3/1/2019			<0.003	<0.003		
5/31/2019	<0.003	<0.003			<0.003	<0.003
6/3/2019			<0.003	<0.003		
11/6/2019	<0.003	<0.003			<0.003	<0.003
11/7/2019			<0.003	<0.003		
4/16/2020	<0.003	<0.003			<0.003	<0.003
4/17/2020			<0.003	<0.003		

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.00025	<0.00025					
3/1/2016			<0.00025	0.0028 (J)	0.0054 (J)	<0.00025	<0.00025
5/2/2016	<0.00025						
5/4/2016		<0.00025					<0.00025
5/5/2016			0.00029 (J)	0.0026	0.0038	0.0003 (J)	
7/5/2016	<0.00025						
7/7/2016			<0.00025	0.0025	0.0043	<0.00025	
7/8/2016		<0.00025					<0.00025
9/6/2016	0.00049 (J)	<0.00025	<0.00025				
9/7/2016				0.0031	0.0099	0.00026 (J)	<0.00025
11/7/2016	<0.00025						
11/9/2016					0.012	0.00038 (J)	<0.00025
11/10/2016		<0.00025	<0.00025	0.0028			
1/9/2017	<0.00025						
1/11/2017		0.00049 (J)			0.022	<0.00025	<0.00025
1/12/2017			<0.00025	0.0028			
3/13/2017	0.0023						
3/14/2017		<0.00025			0.011	<0.00025	<0.00025
3/15/2017			<0.00025	0.0027			
5/15/2017	<0.00025						
5/18/2017		<0.00025	<0.00025	0.0036	0.018	<0.00025	<0.00025
3/12/2018	0.00046 (J)						
3/14/2018		0.00067 (J)	0.001 (J)	0.0032	0.0057	0.0006 (J)	<0.00025
6/5/2018	0.00049 (J)						
6/10/2018		0.00028 (J)			0.015	0.00043 (J)	<0.00025
6/11/2018			0.00028 (J)	0.003			
10/16/2018	<0.00025						
10/18/2018		<0.00025		0.0016	0.0049	<0.00025	<0.00025
10/19/2018			<0.00025				
2/27/2019	<0.00025	<0.00025					
3/1/2019					0.0026	<0.00025	<0.00025
3/2/2019			<0.00025	<0.00025			
5/31/2019	<0.00025	<0.00025					
6/3/2019			<0.00025		0.0039	<0.00025	<0.00025
6/11/2019				0.0014			
11/6/2019	<0.00025	<0.00025					
11/7/2019				0.002	0.0085		
11/9/2019			<0.00025			0.00041	<0.00025
4/16/2020	<0.00025	<0.00025					
4/17/2020				0.0022			<0.00025
4/18/2020			0.00019 (J)		0.0084	0.0004	

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.00025	<0.00025				
3/1/2016					<0.00025	<0.00025
3/2/2016			<0.00025	0.0025 (J)		
5/2/2016	<0.00025	0.00025 (J)				<0.00025
5/3/2016					<0.00025	
5/5/2016			<0.00025	0.0033		
7/5/2016	<0.00025	<0.00025			<0.00025	<0.00025
7/7/2016			<0.00025	0.0031		
9/6/2016	<0.00025	0.00027 (J)			<0.00025	<0.00025
9/7/2016			<0.00025	0.0034		
11/7/2016	<0.00025	<0.00025			<0.00025	<0.00025
11/10/2016			<0.00025	0.0038		
1/9/2017	<0.00025	<0.00025			<0.00025	<0.00025
1/12/2017			<0.00025	0.0034		
3/13/2017	<0.00025	0.0025			<0.00025	<0.00025
3/14/2017			<0.00025			
3/15/2017				0.0032		
5/15/2017	<0.00025	<0.00025			<0.00025	<0.00025
5/18/2017			<0.00025	0.0034		
3/12/2018	0.00064 (J)	0.00047 (J)			0.00026 (J)	<0.00025
3/14/2018			<0.00025	0.0038		
6/5/2018	0.00098 (J)	0.00065 (J)				
6/6/2018					0.00025 (J)	0.00026 (J)
6/11/2018			<0.00025	0.0037		
10/16/2018	<0.00025	<0.00025				
10/17/2018					<0.00025	<0.00025
10/18/2018			<0.00025	0.0033		
2/27/2019	<0.00025	<0.00025			<0.00025	<0.00025
3/1/2019			<0.00025	0.0033		
5/31/2019	<0.00025	<0.00025			<0.00025	<0.00025
6/3/2019			<0.00025	0.0035		
11/6/2019	<0.00025	0.00034			<0.00025	<0.00025
11/7/2019			0.00024 (J)	0.0034		
4/16/2020	<0.00025	0.0004			<0.00025	<0.00025
4/17/2020			0.0002 (J)	0.0039		

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<5	<5					
3/1/2016			<5	26	380	17	<5
5/2/2016	15 (o)						
5/4/2016		<5					<5
5/5/2016			<5	31	280	11	
7/5/2016	<5						
7/7/2016			<5	31	330	33	
7/8/2016		<5					<5
9/6/2016	<5	<5	<5				
9/7/2016				41	550	18	<5
11/7/2016	<5						
11/9/2016					700	52	<5
11/10/2016		<5	<5	39			
1/9/2017	<5						
1/11/2017		<5			670	31	<5
1/12/2017			<5	35			
3/13/2017	2.5 (J)						
3/14/2017		<5			670	20	<5
3/15/2017			<5	43			
5/15/2017	<5						
5/18/2017		<5 (X)	<5 (X)	35	790	35	<5 (X)
10/2/2017	<5						
10/5/2017		<5			500	7.7	<5
10/6/2017			<5	39			
12/19/2017				36 (R)	400 (R)	51 (R)	
3/12/2018	<5						
3/14/2018		<5	<5	38	540	22	<5
6/5/2018	<5						
6/10/2018		1.5 (J)			760	96	1.4 (J)
6/11/2018			1.7 (J)	34			
10/16/2018	<5						
10/18/2018		<5		31	460	6.6	<5
10/19/2018			3.4 (J)				
2/27/2019	<5	1.9 (J)					
3/1/2019					240	9.6	<5
3/2/2019			<5	35			
5/31/2019	<5	<5					
6/3/2019			3.5 (J)		480	58	<5
6/11/2019				32			
11/6/2019	<5	<5					
11/7/2019				27	610		
11/9/2019			<5			120	<5
4/16/2020	<5	<5					
4/17/2020				31			<5
4/18/2020			<5		670	32	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<5	1.6 (J)				
3/1/2016					<5	<5
3/2/2016			13	150		
5/2/2016	<5	2.1 (J)				<5
5/3/2016					<5	
5/5/2016			15	200		
7/5/2016	<5	2 (J)			<5	<5
7/7/2016			14	200		
9/6/2016	<5	1.8 (J)			<5	3.7 (J)
9/7/2016			15	200		
11/7/2016	<5	1.7 (J)			<5	<5
11/10/2016			13	130		
1/9/2017	2.6 (J)	1.5 (J)			<5	<5
1/12/2017			12	240		
3/13/2017	<5	2.2 (J)			<5	<5
3/14/2017			10 (V)			
3/15/2017				300		
5/15/2017	<5	1.9 (J)			<5	<5
5/18/2017			8.7	270		
10/2/2017	<5	3.4 (J)			1.5 (J)	1.7 (J)
10/5/2017			9.8			
10/6/2017				140		
12/19/2017			8.4 (R)	280 (R)		
3/12/2018	<5	2.6 (J)			<5	<5
3/14/2018			9.7	270		
6/5/2018	<5	2.6 (J)				
6/6/2018					<5	<5
6/11/2018			10	270		
10/16/2018	<5	2.8 (J)				
10/17/2018					<5	<5
10/18/2018			8.1	280		
2/27/2019	<5	2.4 (J)			<5	<5
3/1/2019			7.4	250		
5/31/2019	<5	3.3 (J)			<5	<5
6/3/2019			21	150		
11/6/2019	<5	3.7 (J)			<5	<5
11/7/2019			16	290		
4/16/2020	<5	1.7 (J)			<5	<5
4/17/2020			12	280		

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	<0.0001	<0.0001					
3/1/2016			<0.0001	<0.0001	0.00043 (J)	<0.0001	<0.0001
5/2/2016	<0.0001						
5/4/2016		<0.0001					<0.0001
5/5/2016			<0.0001	<0.0001	0.0003 (J)	<0.0001	
7/5/2016	<0.0001						
7/7/2016			<0.0001	<0.0001	0.00028 (J)	<0.0001	
7/8/2016		<0.0001					<0.0001
9/6/2016	<0.0001	<0.0001	<0.0001				
9/7/2016				<0.0001	0.00028 (J)	<0.0001	<0.0001
11/7/2016	<0.0001						
11/9/2016					0.0003 (J)	<0.0001	<0.0001
11/10/2016		<0.0001	<0.0001	<0.0001			
1/9/2017	<0.0001						
1/11/2017		<0.0001			0.00032 (J)	<0.0001	<0.0001
1/12/2017			<0.0001	<0.0001			
3/13/2017	<0.0001						
3/14/2017		<0.0001			0.00032 (J)	<0.0001	<0.0001
3/15/2017			<0.0001	<0.0001			
5/15/2017	<0.0001						
5/18/2017		<0.0001	<0.0001	<0.0001	0.0004 (J)	<0.0001	<0.0001
3/12/2018	<0.0001						
3/14/2018		<0.0001	<0.0001	<0.0001	0.00021 (J)	<0.0001	<0.0001
6/5/2018	<0.0001						
6/10/2018		<0.0001			0.00033 (J)	<0.0001	<0.0001
6/11/2018			<0.0001	<0.0001			
10/16/2018	<0.0001						
10/18/2018		<0.0001		<0.0001	0.00021 (J)	<0.0001	<0.0001
10/19/2018			<0.0001				
2/27/2019	<0.0001	<0.0001					
3/1/2019					0.00013 (J)	<0.0001	<0.0001
3/2/2019			<0.0001	<0.0001			
5/31/2019	<0.0001	<0.0001					
6/3/2019			<0.0001		0.00016 (J)	<0.0001	<0.0001
6/11/2019				<0.0001			
11/6/2019	<0.0001	<0.0001					
11/7/2019				2.6E-05 (J)	0.00025		
11/9/2019			0.00021 (J)			0.00024 (J)	<0.0001
4/16/2020	<0.0001	<0.0001					
4/17/2020				<0.0001			<0.0001
4/18/2020			<0.0001		0.00033	<0.0001	

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<0.0001	<0.0001				
3/1/2016					<0.0001	<0.0001
3/2/2016			<0.0001	0.00018 (J)		
5/2/2016	<0.0001	<0.0001				<0.0001
5/3/2016					<0.0001	
5/5/2016			<0.0001	0.00024 (J)		
7/5/2016	<0.0001	<0.0001			<0.0001	<0.0001
7/7/2016			<0.0001	0.00025 (J)		
9/6/2016	<0.0001	<0.0001			<0.0001	<0.0001
9/7/2016			<0.0001	0.00023 (J)		
11/7/2016	<0.0001	<0.0001			<0.0001	<0.0001
11/10/2016			<0.0001	0.0002 (J)		
1/9/2017	<0.0001	<0.0001			<0.0001	<0.0001
1/12/2017			<0.0001	0.00026 (J)		
3/13/2017	<0.0001	<0.0001			<0.0001	<0.0001
3/14/2017			<0.0001			
3/15/2017				0.0003 (J)		
5/15/2017	<0.0001	<0.0001			<0.0001	<0.0001
5/18/2017			<0.0001	0.00028 (J)		
3/12/2018	<0.0001	<0.0001			<0.0001	<0.0001
3/14/2018			<0.0001	0.00029 (J)		
6/5/2018	<0.0001	<0.0001				
6/6/2018					<0.0001	<0.0001
6/11/2018			<0.0001	0.00029 (J)		
10/16/2018	<0.0001	<0.0001				
10/17/2018					<0.0001	<0.0001
10/18/2018			<0.0001	0.00031 (J)		
2/27/2019	<0.0001	<0.0001			<0.0001	<0.0001
3/1/2019			<0.0001	0.0003 (J)		
5/31/2019	<0.0001	<0.0001			<0.0001	<0.0001
6/3/2019			<0.0001	0.0002 (J)		
11/6/2019	<0.0001	<0.0001			<0.0001	<0.0001
11/7/2019			<0.0001	0.00024 (J)		
4/16/2020	<0.0001	<0.0001			<0.0001	<0.0001
4/17/2020			<0.0001	0.00031		

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106
2/29/2016	20	20					
3/1/2016			<5	84	760	290	<5
5/2/2016	<5						
5/4/2016		6					12
5/5/2016			<5	76	620	250	
7/5/2016	12						
7/7/2016			24	54	640	270	
7/8/2016		6					10
9/6/2016	36	36	40				
9/7/2016				82	1100	270	10
11/7/2016	18						
11/9/2016					1300	330	26
11/10/2016		16	20	80			
1/9/2017	4 (J)						
1/11/2017		38			1600	330	28
1/12/2017			54	110			
3/13/2017	6						
3/14/2017		<5			1200	260	<5
3/15/2017			14	82			
5/15/2017	<5						
5/18/2017		10	38	100	1500	360	26
10/2/2017	<5						
10/5/2017		<5			980	240	<5
10/6/2017			22	110			
12/19/2017				72 (R)	900 (R)	460 (R)	
3/12/2018	18						
3/14/2018		8	14	66	1100	300	<5
6/5/2018	10						
6/10/2018		8			1500	560	6
6/11/2018			8	96			
10/16/2018	32						
10/18/2018		28		64	860	250	68
10/19/2018			54				
2/27/2019	110	68					
3/1/2019					440	210	28
3/2/2019			28	210			
5/31/2019	46	<5					
6/3/2019			54		950	500	28
6/11/2019				110			
11/6/2019	<5	10					
11/7/2019				50	980		
11/9/2019			24			720	42
4/16/2020	28	44					
4/17/2020				70			48
4/18/2020			54		1100	180	

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 6/23/2020 12:23 PM View: 100 Series

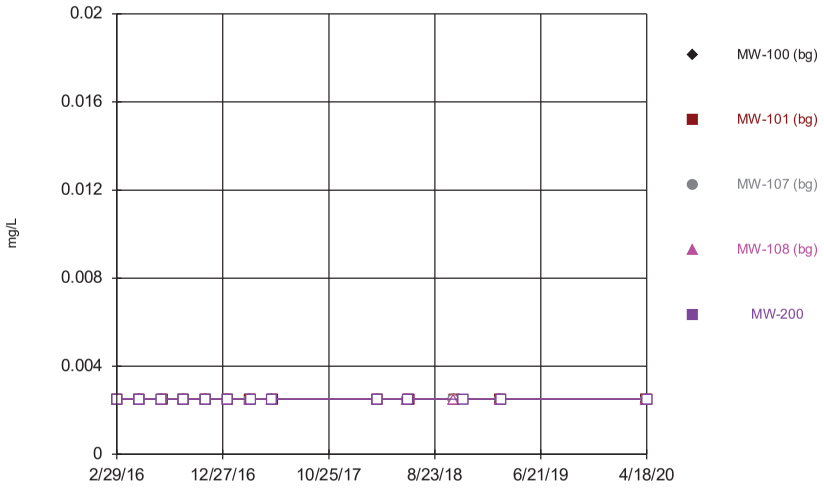
Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-107 (bg)	MW-108 (bg)	MW-109	MW-110	MW-306 (bg)	MW-307 (bg)
2/29/2016	<5	12				
3/1/2016					10	<5
3/2/2016			30	440		
5/2/2016	<5	6				36
5/3/2016					<5	
5/5/2016			38	480		
7/5/2016	14	<5			<5	<5
7/7/2016			22	470		
9/6/2016	30	38			36	44
9/7/2016			38	440		
11/7/2016	8	<5			<5	30
11/10/2016			38	260		
1/9/2017	<5	14			<5	12
1/12/2017			40	630		
3/13/2017	<5	8			22	20
3/14/2017			22			
3/15/2017				620		
5/15/2017	<5	<5			6	4 (J)
5/18/2017			24	640		
10/2/2017	<5	6			16	24
10/5/2017			<5			
10/6/2017				360		
12/19/2017				840 (R)		
3/12/2018	14	<5			<5	<5
3/14/2018			12	660		
6/5/2018	<5	14				
6/6/2018					20	16
6/11/2018			26	670		
10/16/2018	12	6				
10/17/2018					44	44
10/18/2018			34	750		
2/27/2019	54	110			20	28
3/1/2019			42	640		
5/31/2019	8	26			32	18
6/3/2019			54	420		
11/6/2019	4 (J)	<5			24	20
11/7/2019			24	540		
4/16/2020	18	8			6	8
4/17/2020			28	600		

200 Series

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

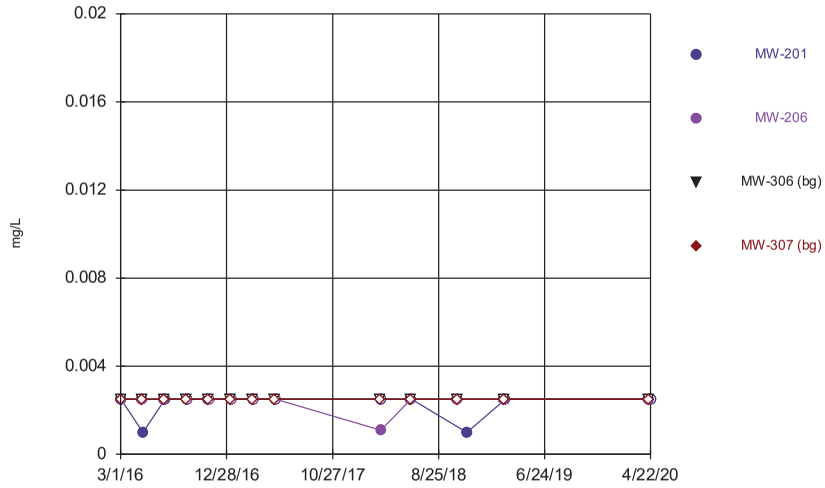
Time Series



Constituent: Antimony Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

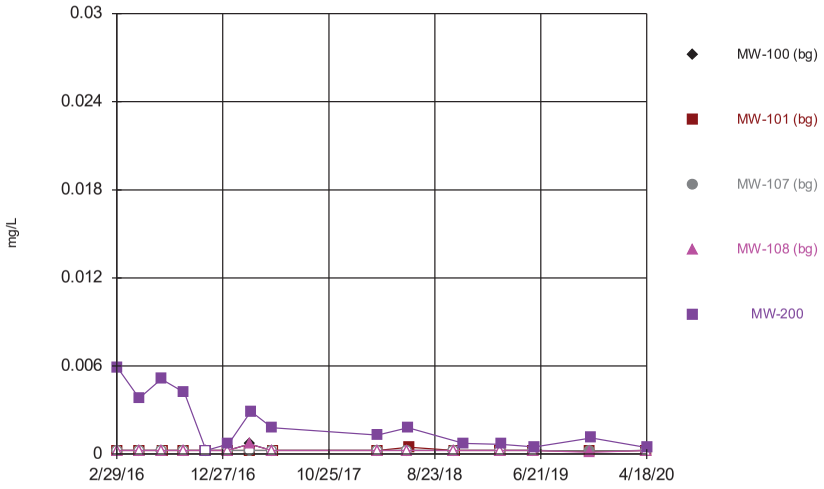
Time Series



Constituent: Antimony Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

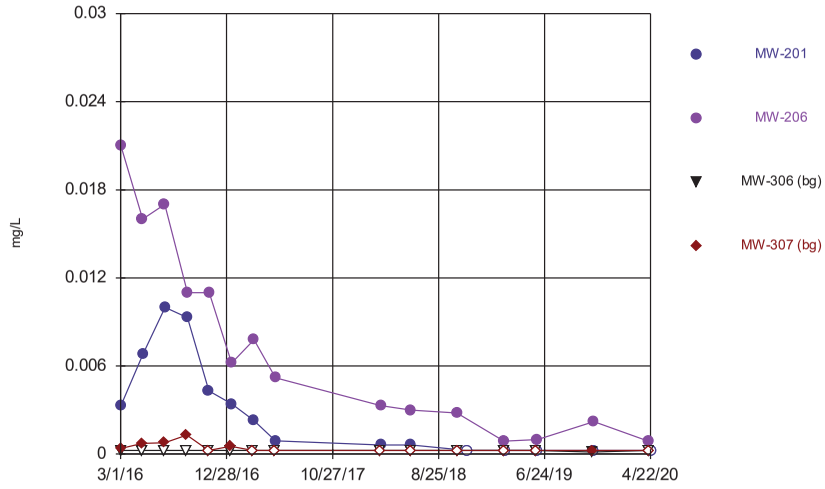
Time Series



Constituent: Arsenic Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

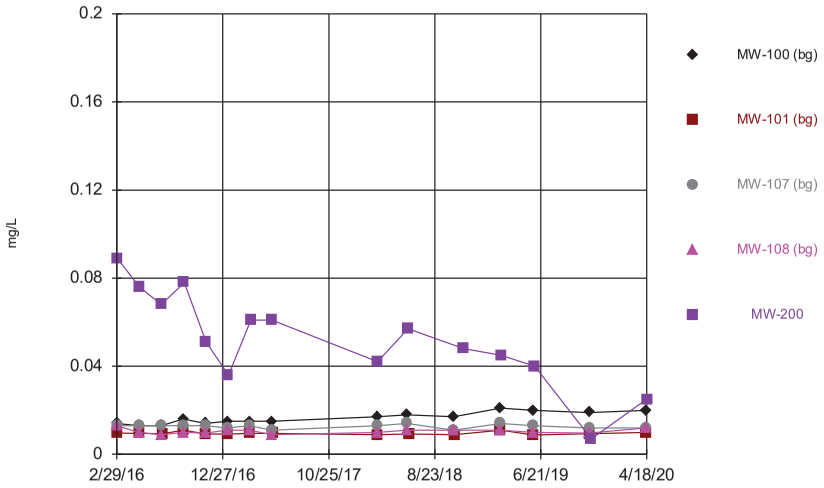
Time Series



Constituent: Arsenic Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

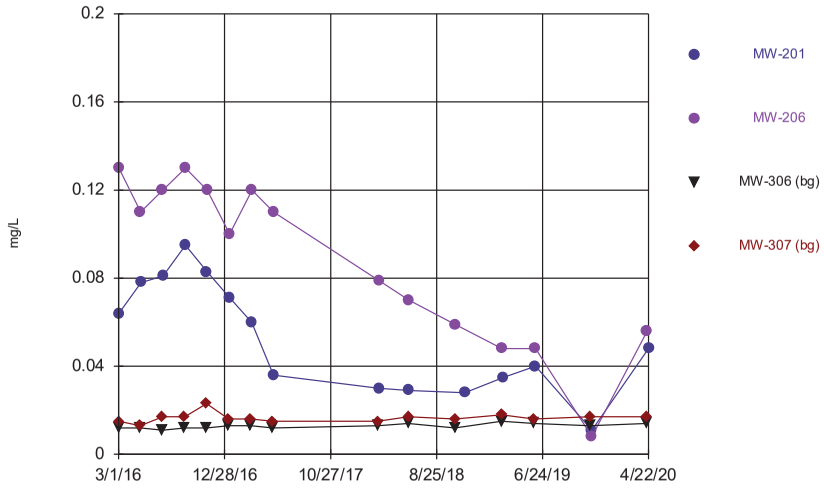
Time Series



Constituent: Barium Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

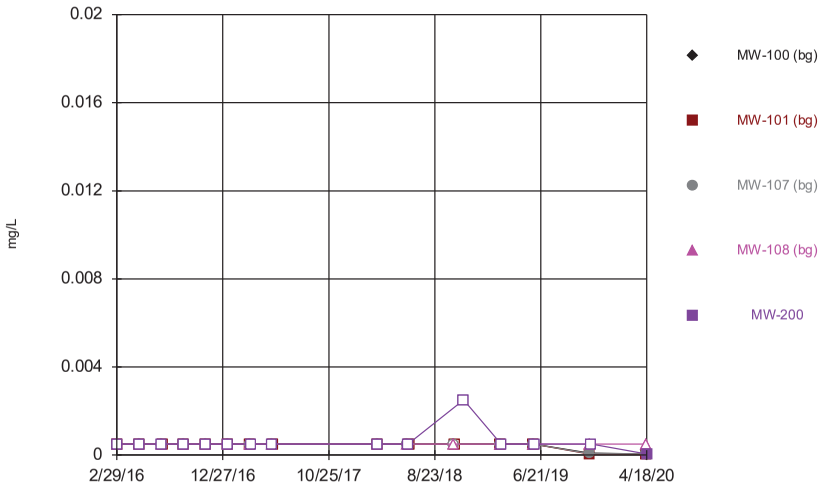
Time Series



Constituent: Barium Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

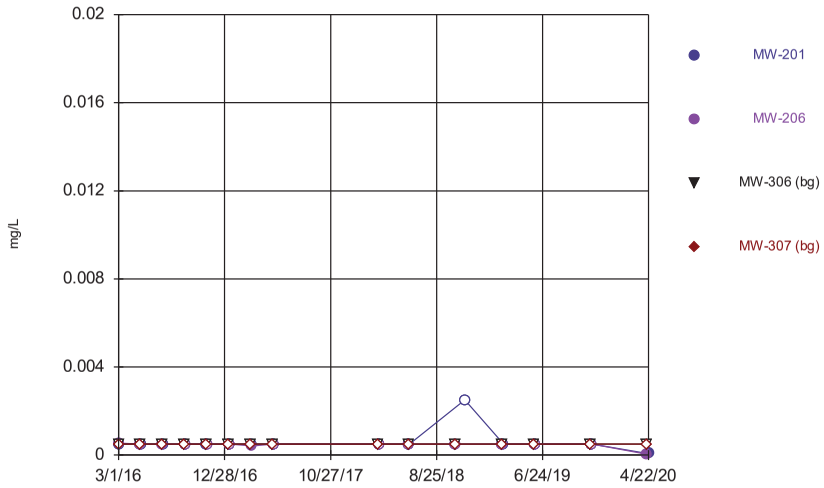
Time Series



Constituent: Beryllium Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

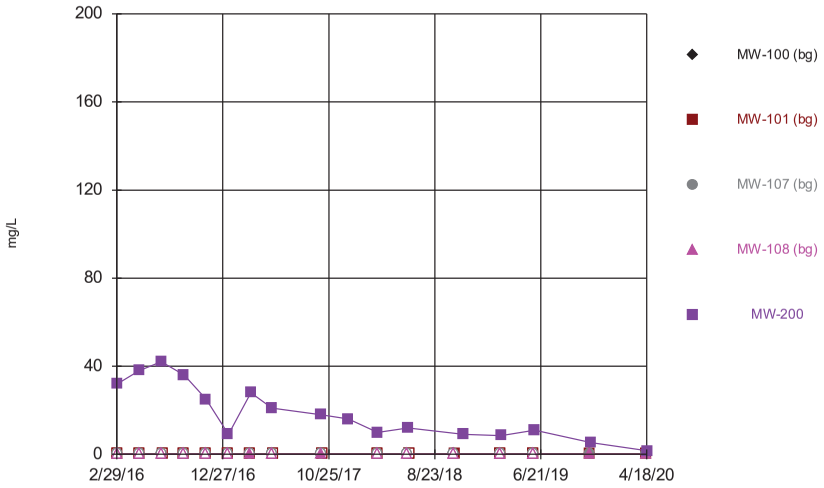
Time Series



Constituent: Beryllium Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

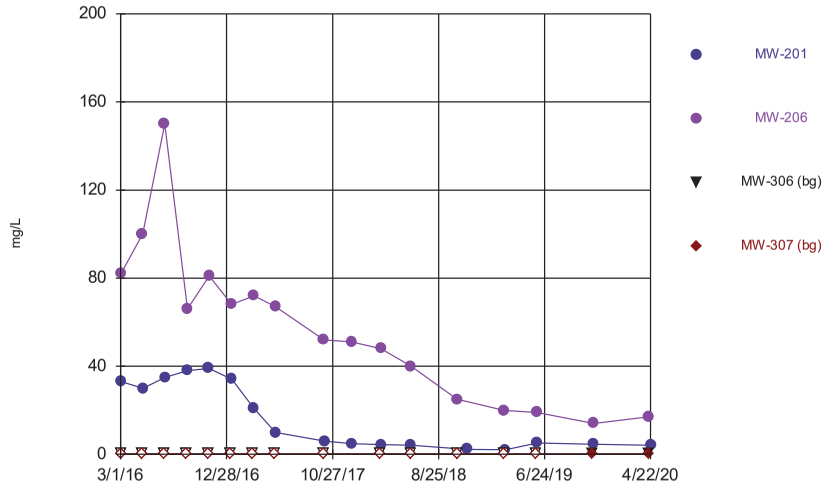
Time Series



Constituent: Boron Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

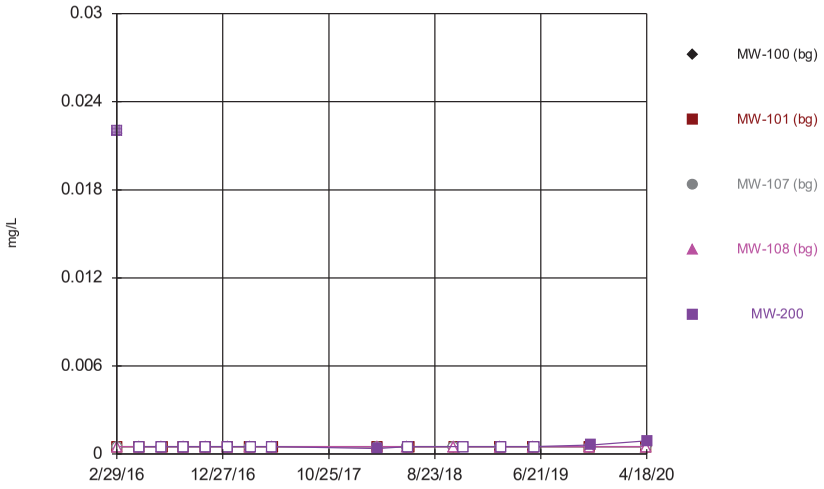
Time Series



Constituent: Boron Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

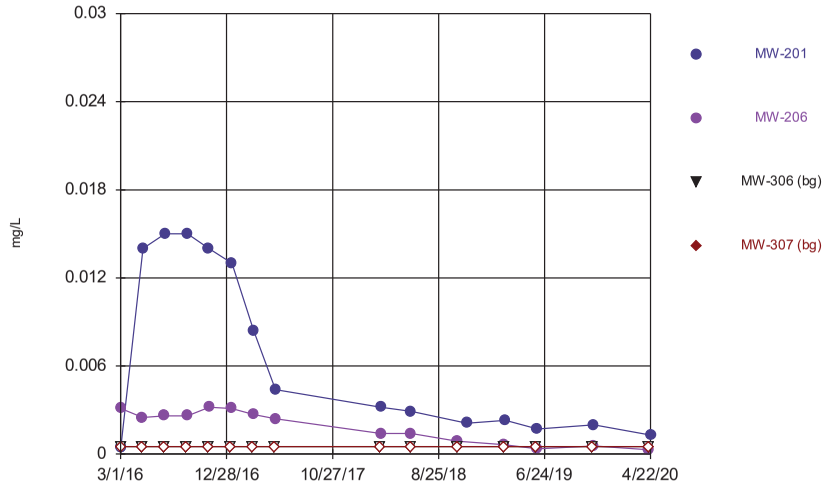
Time Series



Constituent: Cadmium Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

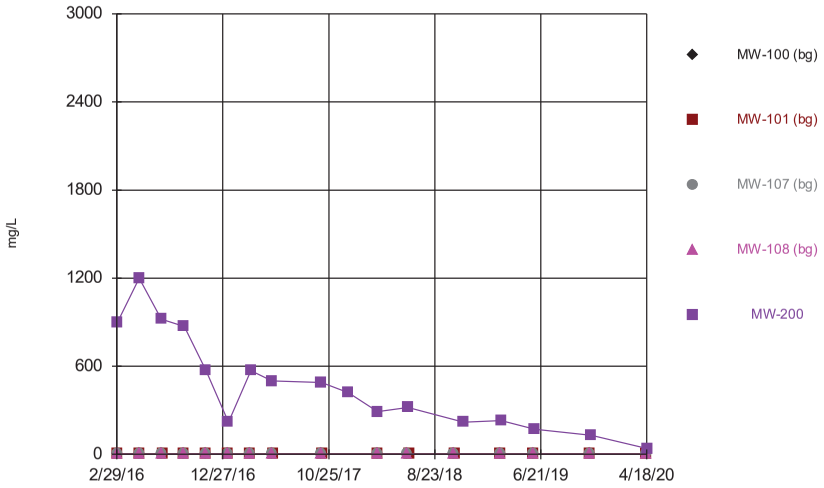
Time Series



Constituent: Cadmium Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

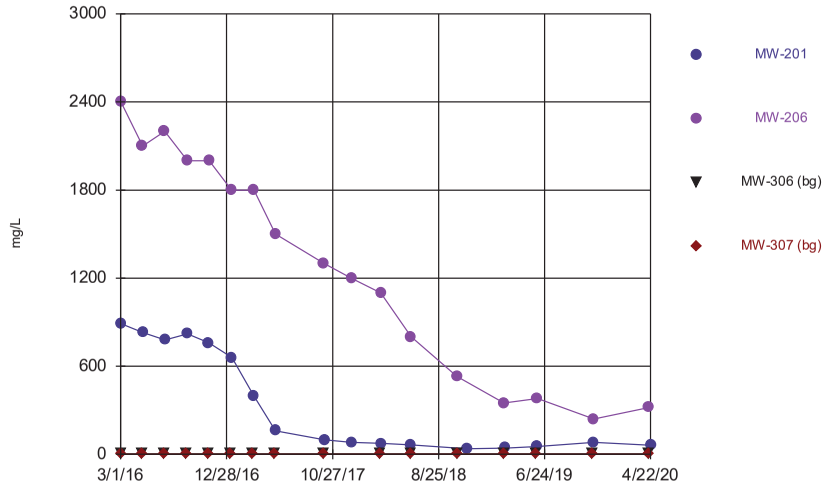
Time Series



Constituent: Calcium Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

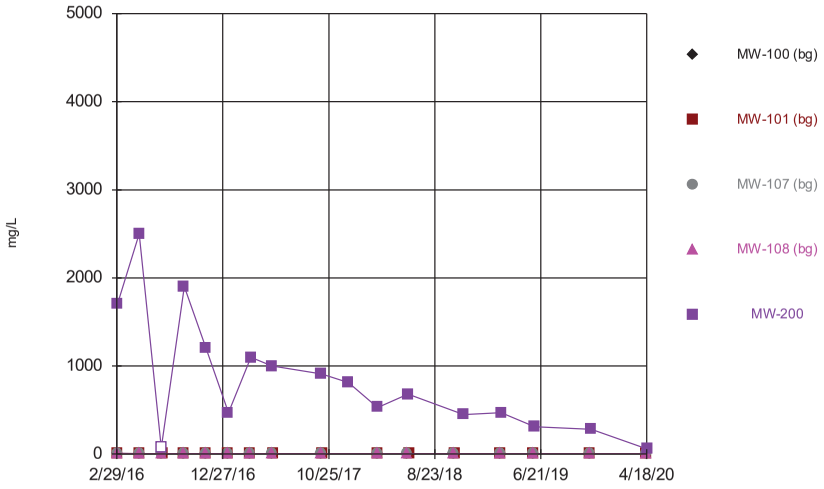
Time Series



Constituent: Calcium Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

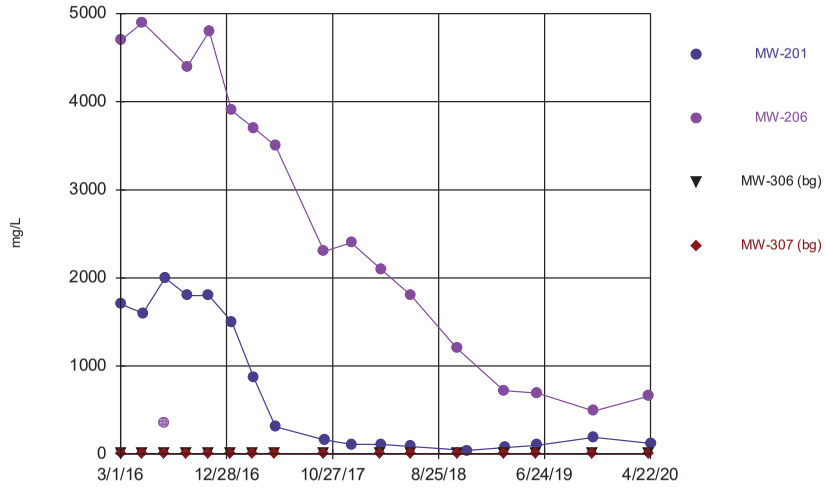
Time Series



Constituent: Chloride Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

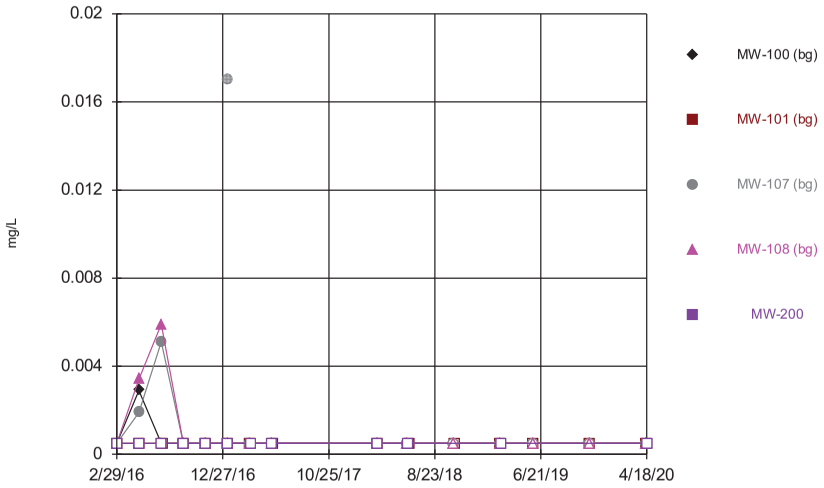
Time Series



Constituent: Chloride Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

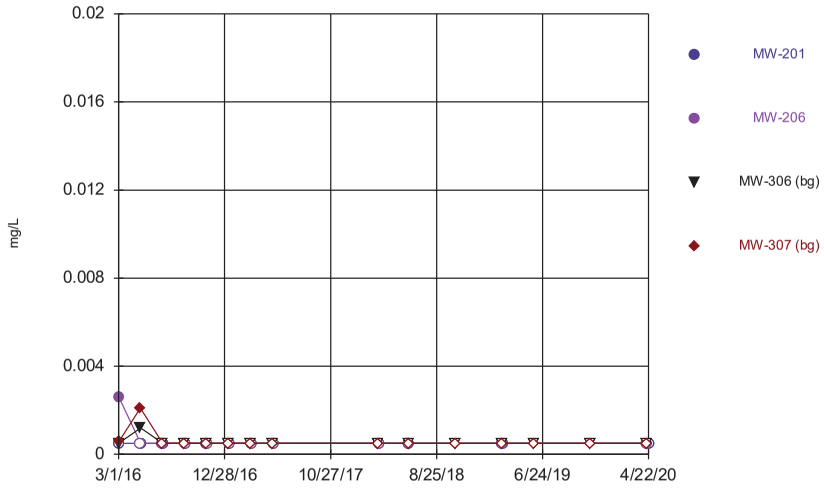
Time Series



Constituent: Chromium Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

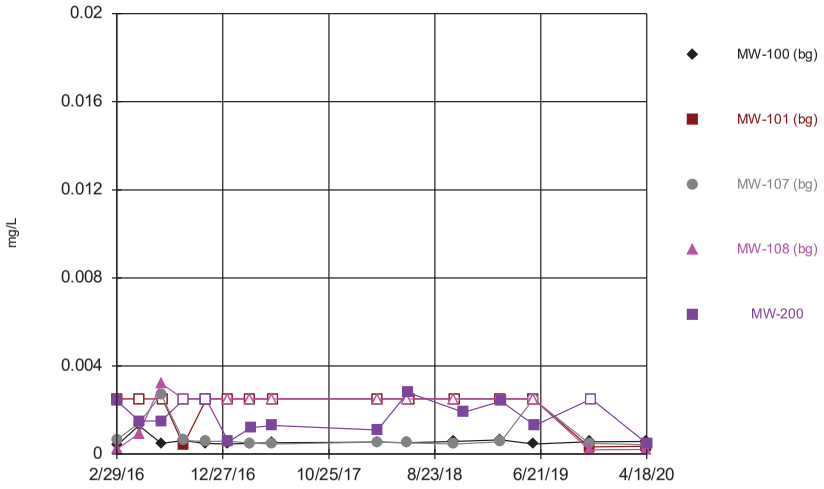
Time Series



Constituent: Chromium Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

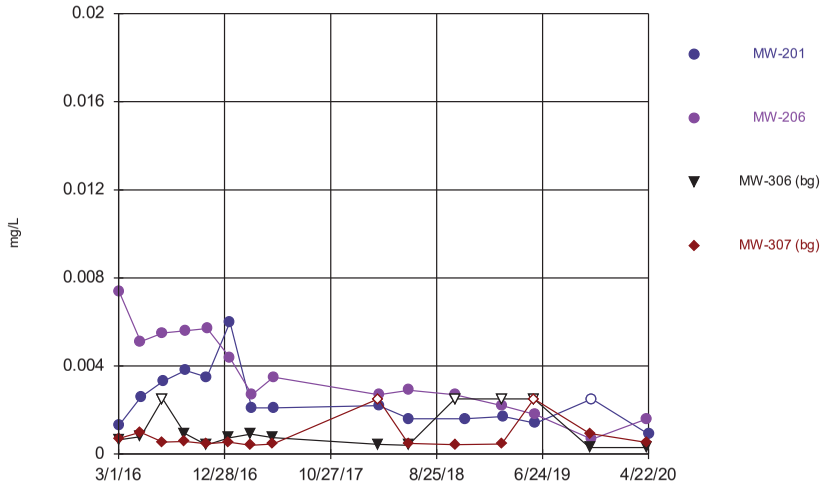
Time Series



Constituent: Cobalt Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

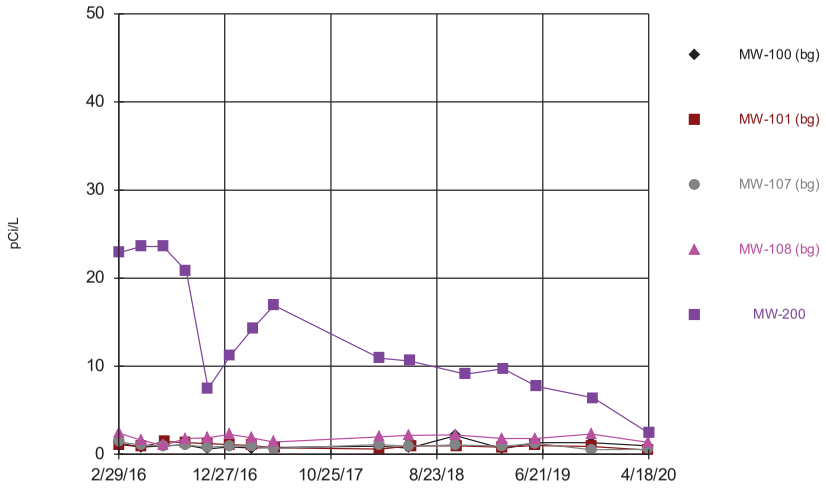
Time Series



Constituent: Cobalt Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

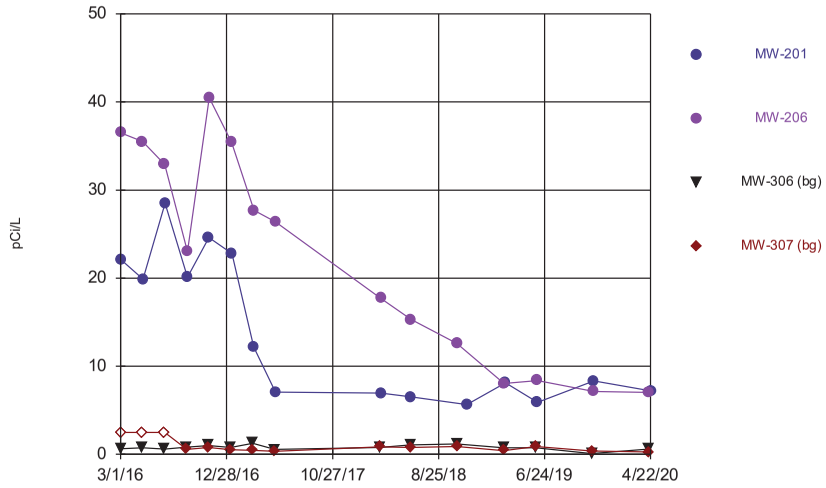
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

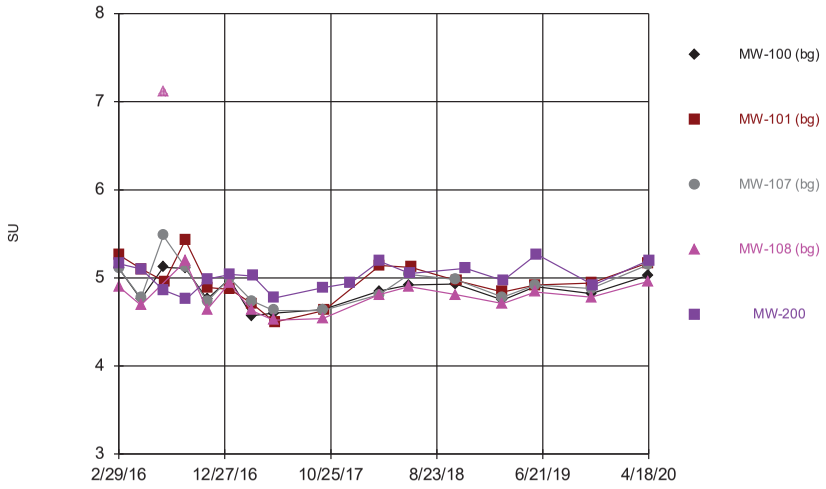
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

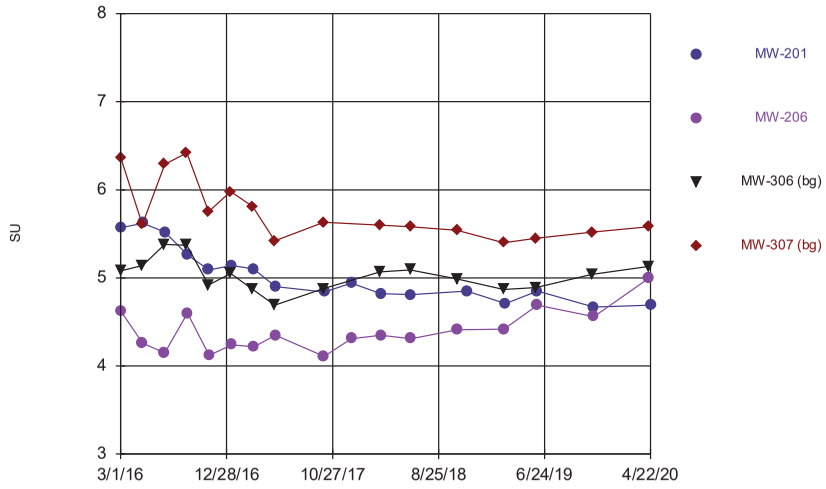
Time Series



Constituent: Field pH Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

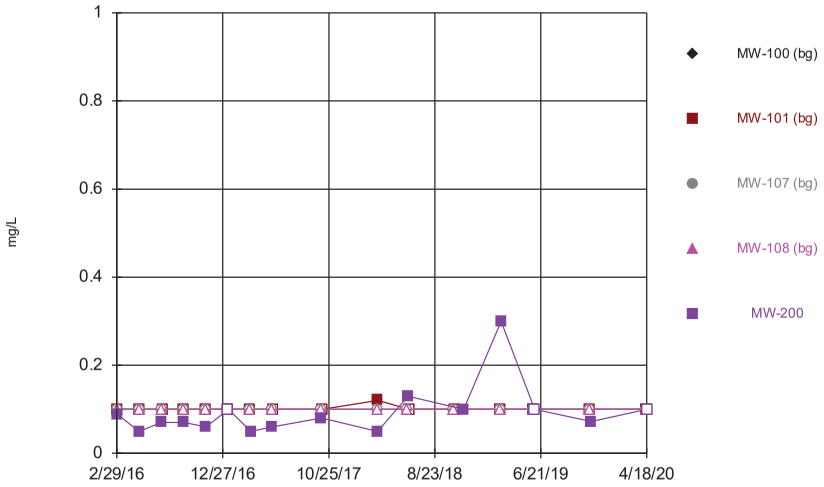
Time Series



Constituent: Field pH Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

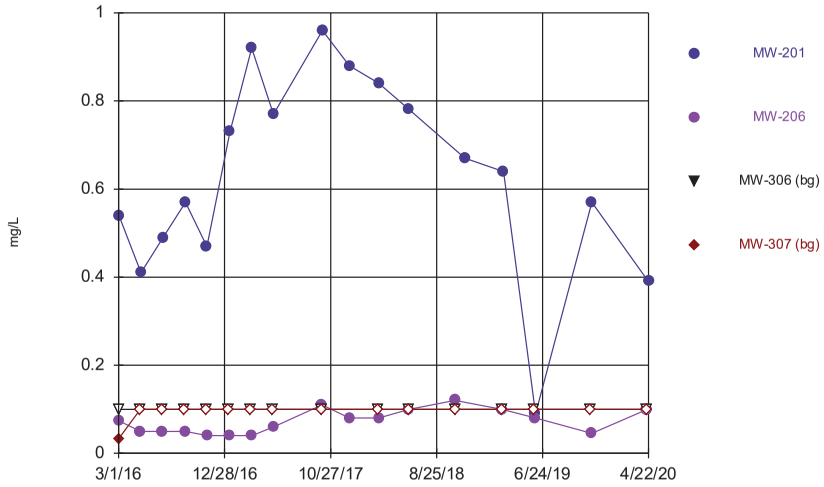
Time Series



Constituent: Fluoride Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

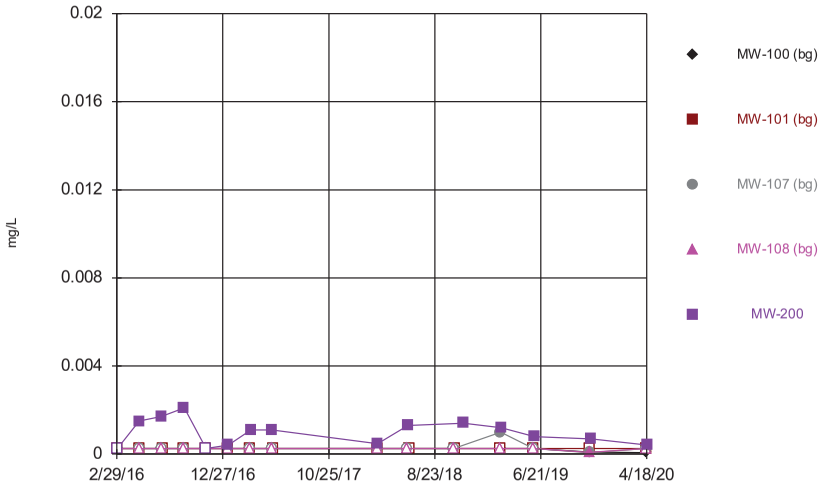
Time Series



Constituent: Fluoride Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

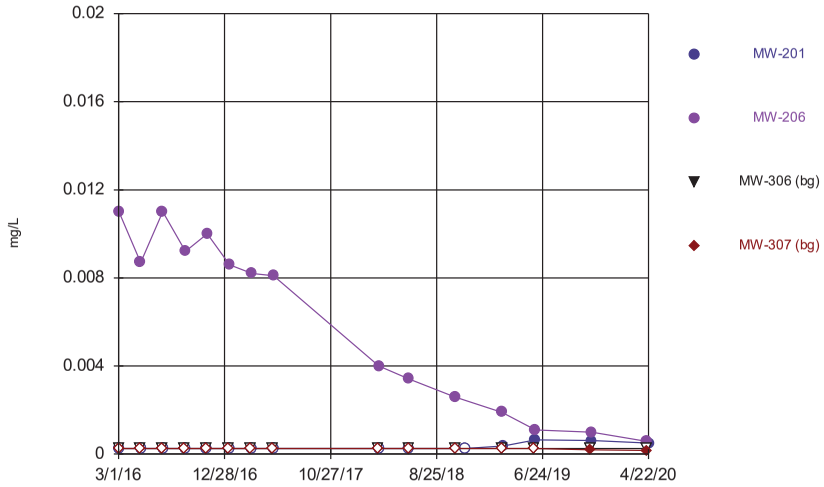
Time Series



Constituent: Lead Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

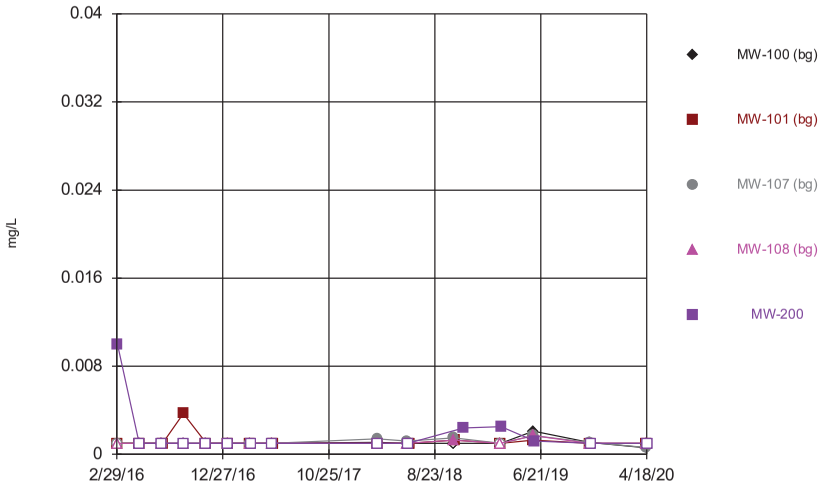
Time Series



Constituent: Lead Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

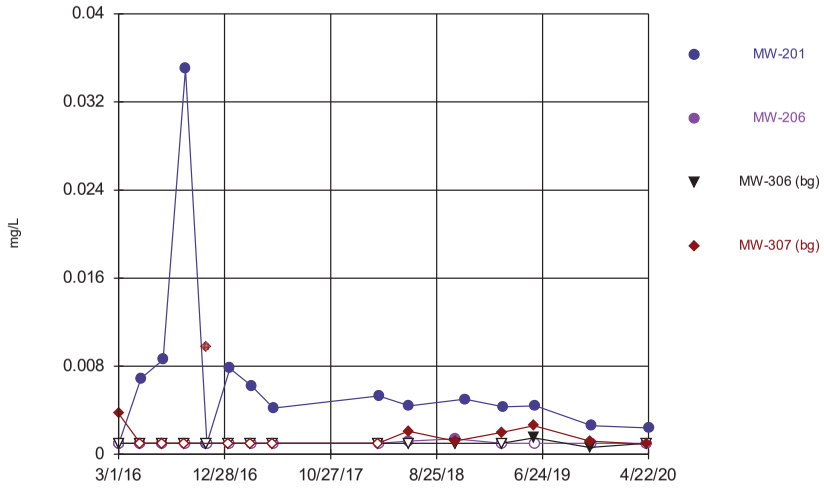
Time Series



Constituent: Lithium Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

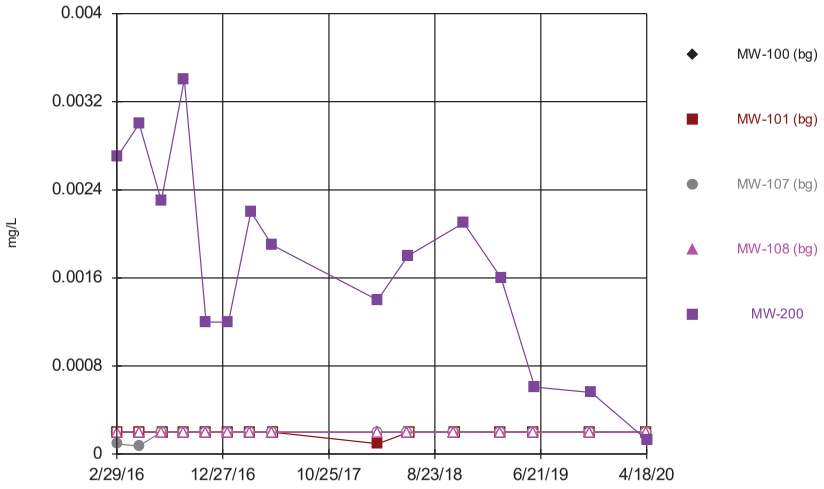
Time Series



Constituent: Lithium Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

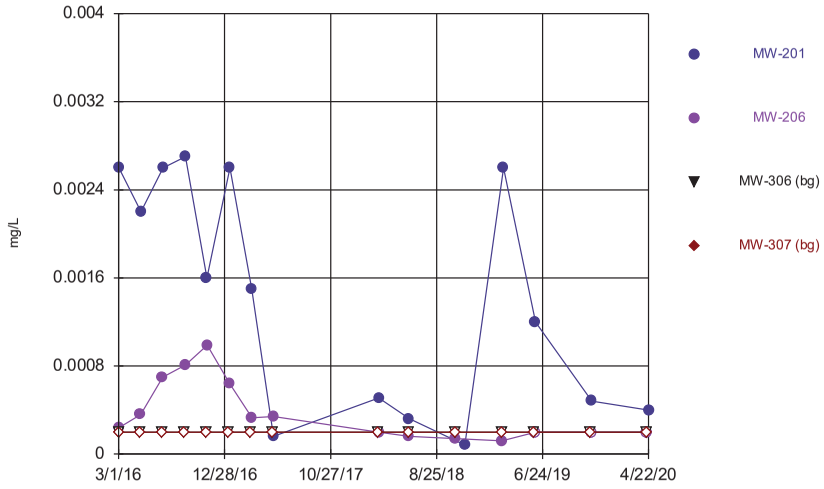
Time Series



Constituent: Mercury Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

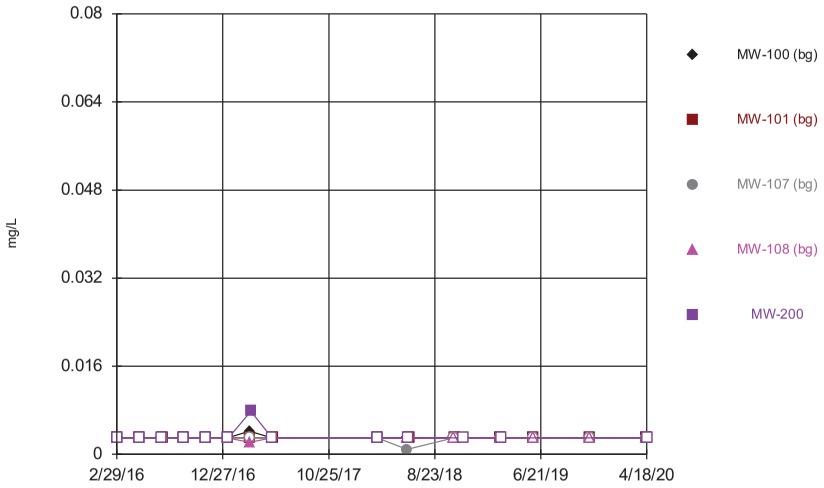
Time Series



Constituent: Mercury Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

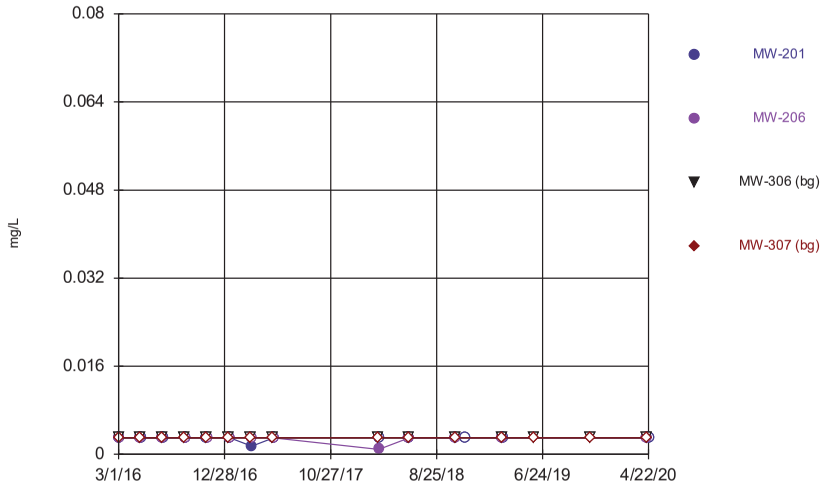
Time Series



Constituent: Molybdenum Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

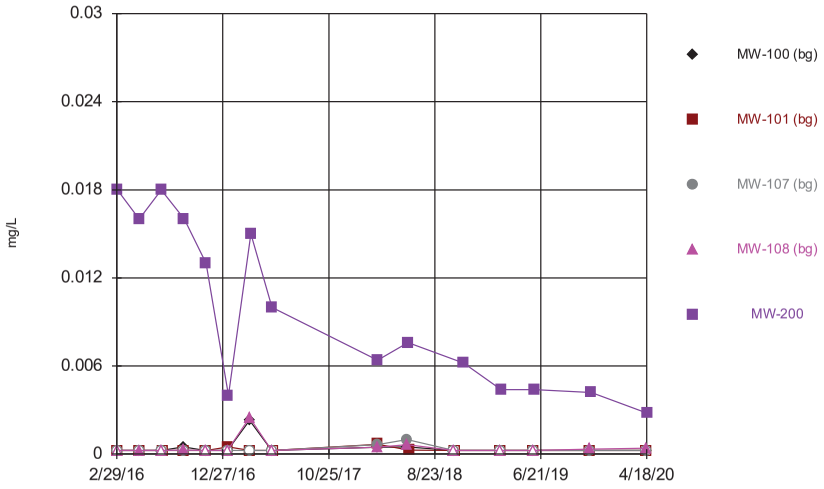
Time Series



Constituent: Molybdenum Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

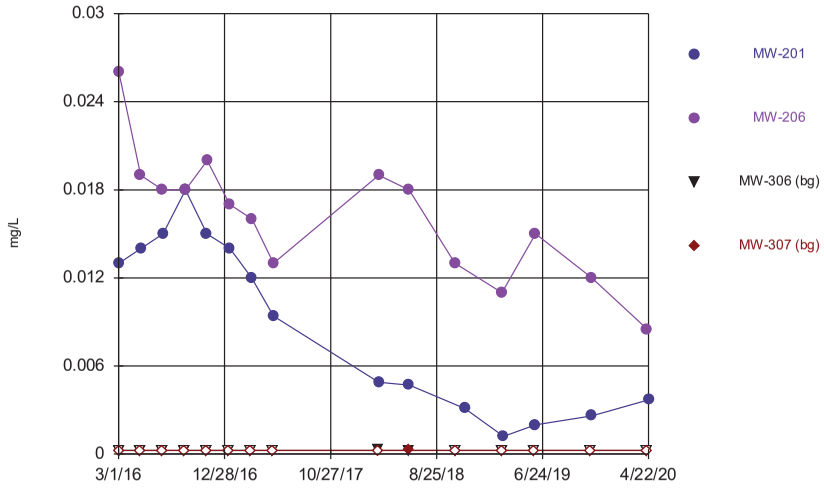
Time Series



Constituent: Selenium Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

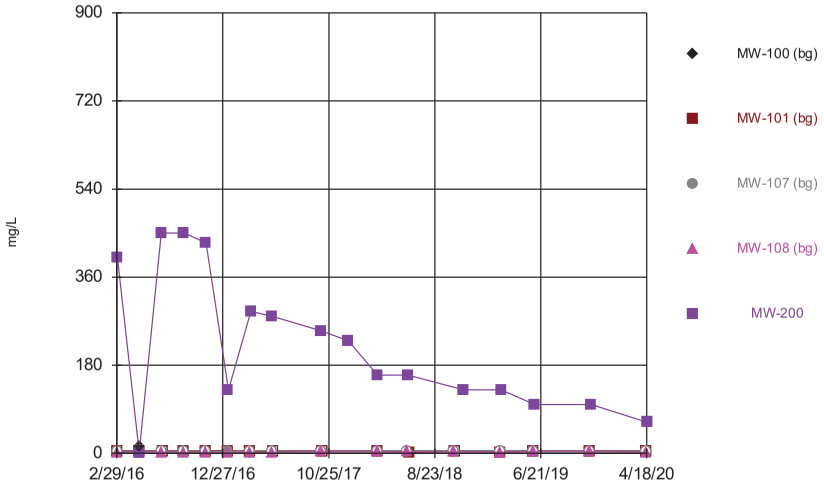
Time Series



Constituent: Selenium Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

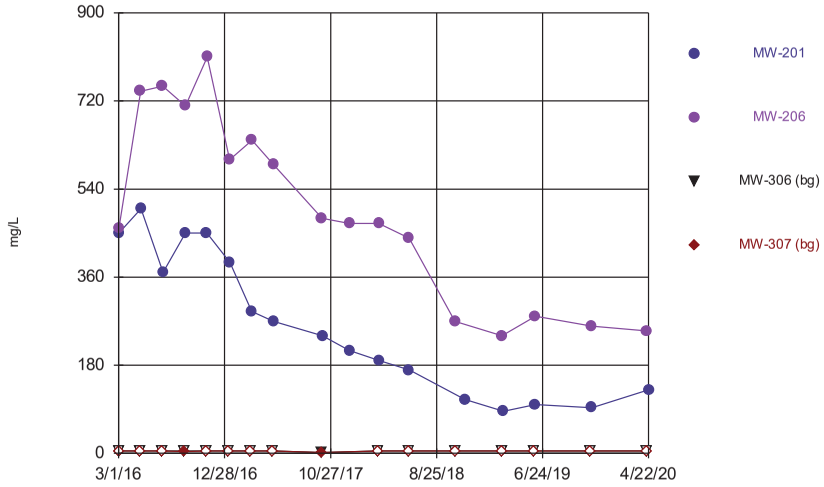
Time Series



Constituent: Sulfate Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

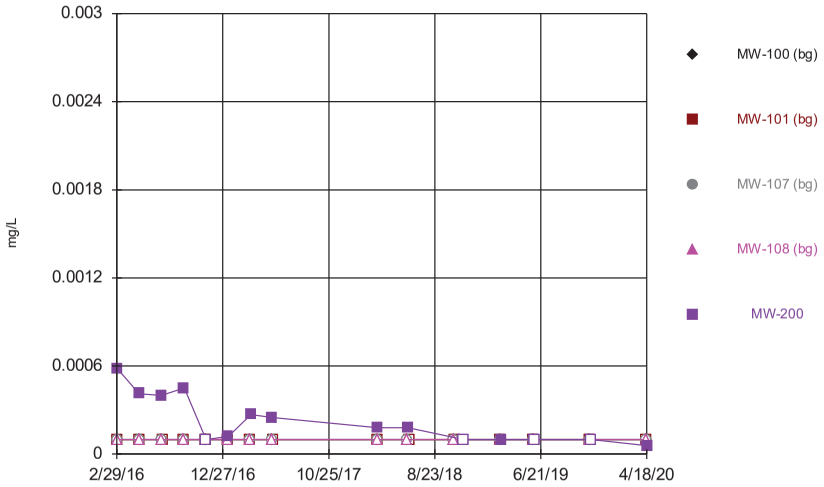
Time Series



Constituent: Sulfate Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

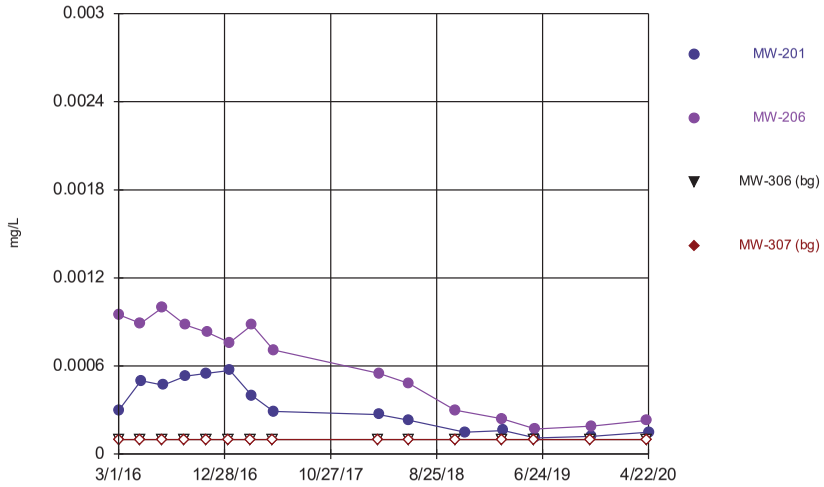
Time Series



Constituent: Thallium Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

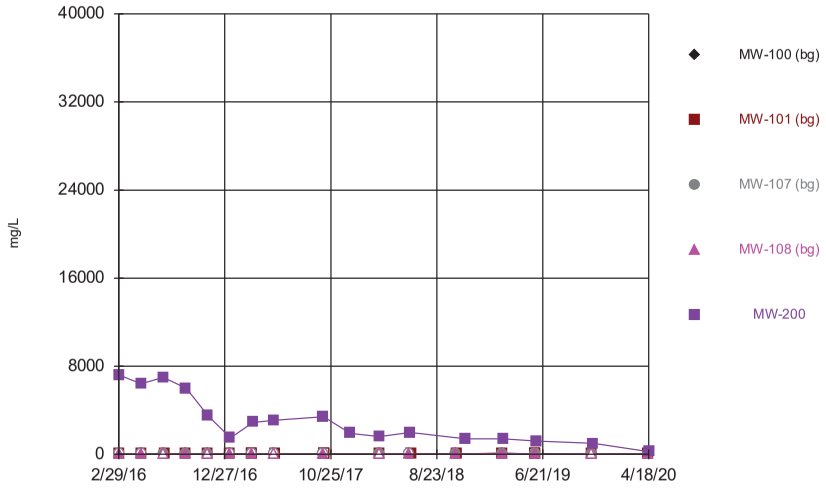
Time Series



Constituent: Thallium Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

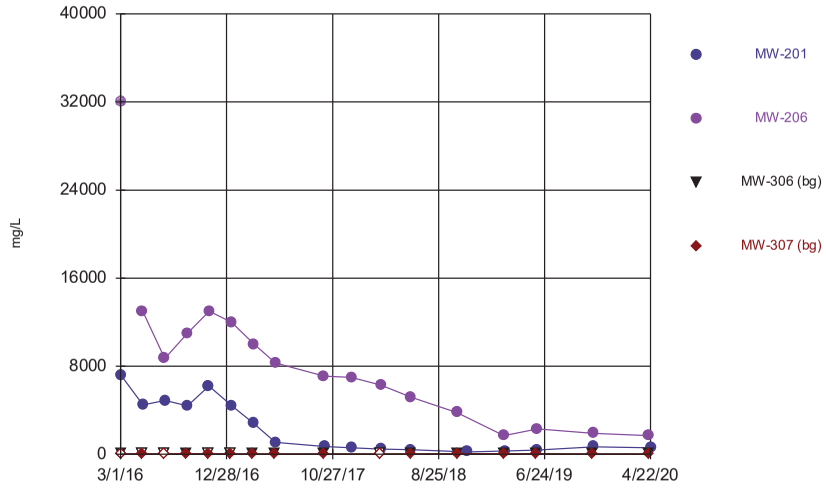
Time Series



Constituent: Total Dissolved Solids Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Total Dissolved Solids Analysis Run 6/23/2020 12:33 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200
2/29/2016	<0.0025	<0.0025	<0.0025	<0.0025	
3/2/2016					<0.0025
5/2/2016	<0.0025		<0.0025	<0.0025	
5/3/2016					<0.0025
5/4/2016		<0.0025			
7/5/2016	<0.0025		<0.0025	<0.0025	<0.0025
7/8/2016		<0.0025			
9/6/2016	<0.0025	<0.0025	<0.0025	<0.0025	
9/8/2016					<0.0025
11/7/2016	<0.0025		<0.0025	<0.0025	
11/9/2016					<0.0025
11/10/2016		<0.0025			
1/9/2017	<0.0025		<0.0025	<0.0025	
1/11/2017		<0.0025			
1/12/2017					<0.0025
3/13/2017	<0.0025		<0.0025	<0.0025	
3/14/2017		<0.0025			
3/17/2017					<0.0025
5/15/2017	<0.0025		<0.0025	<0.0025	
5/16/2017					<0.0025
5/18/2017		<0.0025			
3/12/2018	<0.0025		<0.0025	<0.0025	
3/13/2018					<0.0025
3/14/2018		<0.0025			
6/5/2018	<0.0025		<0.0025	<0.0025	
6/8/2018					<0.0025
6/10/2018		<0.0025			
10/16/2018	<0.0025		<0.0025	<0.0025	
10/18/2018		<0.0025			
11/13/2018					<0.0025
2/27/2019	<0.0025	<0.0025	<0.0025	<0.0025	
2/28/2019					<0.0025
4/16/2020	<0.0025	<0.0025	<0.0025	<0.0025	
4/18/2020					<0.0025

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/1/2016			<0.0025	<0.0025
3/2/2016	<0.0025	<0.0025		
5/2/2016				<0.0025
5/3/2016		<0.0025	<0.0025	
5/4/2016	0.001 (J)			
7/5/2016		<0.0025	<0.0025	<0.0025
7/6/2016	<0.0025			
9/6/2016			<0.0025	<0.0025
9/8/2016	<0.0025	<0.0025		
11/7/2016			<0.0025	<0.0025
11/8/2016	<0.0025			
11/9/2016		<0.0025		
1/9/2017			<0.0025	<0.0025
1/12/2017		<0.0025		
1/13/2017	<0.0025			
3/13/2017			<0.0025	<0.0025
3/16/2017	<0.0025			
3/17/2017		<0.0025		
5/15/2017			<0.0025	<0.0025
5/17/2017	<0.0025	<0.0025		
3/12/2018			<0.0025	<0.0025
3/14/2018	<0.0025	0.0011 (J)		
6/6/2018			<0.0025	<0.0025
6/8/2018		<0.0025		
6/9/2018	<0.0025			
10/17/2018		<0.0025	<0.0025	<0.0025
11/14/2018	0.001 (J)			
2/27/2019			<0.0025	<0.0025
2/28/2019		<0.0025		
3/5/2019	<0.0025			
4/16/2020			<0.0025	<0.0025
4/18/2020		<0.0025		
4/22/2020	<0.0025			

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200
2/29/2016	<0.00025	<0.00025	<0.00025	<0.00025	
3/2/2016					0.0059 (J)
5/2/2016	<0.00025		<0.00025	<0.00025	
5/3/2016					0.0038
5/4/2016		<0.00025			
7/5/2016	<0.00025		<0.00025	<0.00025	0.0051
7/8/2016		<0.00025			
9/6/2016	<0.00025	<0.00025	<0.00025	<0.00025	
9/8/2016					0.0042 (J)
11/7/2016	<0.00025		<0.00025	<0.00025	
11/9/2016					<0.00025
11/10/2016		<0.00025			
1/9/2017	<0.00025		<0.00025	<0.00025	
1/11/2017		<0.00025			
1/12/2017					0.00068 (J)
3/13/2017	0.00069 (J)		<0.00025	0.00069 (J)	
3/14/2017		<0.00025			
3/17/2017					0.0029
5/15/2017	<0.00025		<0.00025	<0.00025	
5/16/2017					0.0018
5/18/2017		<0.00025			
3/12/2018	<0.00025		<0.00025	<0.00025	
3/13/2018					0.0013
3/14/2018		<0.00025			
6/5/2018	<0.00025		<0.00025	<0.00025	
6/8/2018					0.0018
6/10/2018		0.00046 (J)			
10/16/2018	<0.00025		<0.00025	<0.00025	
10/18/2018		<0.00025			
11/13/2018					0.00072 (J)
2/27/2019	<0.00025	<0.00025	<0.00025	<0.00025	
2/28/2019					0.00067 (J)
5/31/2019	<0.00025	<0.00025	<0.00025	<0.00025	
6/4/2019					0.00048 (J)
11/6/2019	0.0002 (J)	0.00019 (J)	0.0002 (J)	0.00012 (J)	
11/12/2019					0.0011 (J)
4/16/2020	<0.00025	<0.00025	<0.00025	<0.00025	
4/18/2020					0.00044

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/1/2016			<0.00025	0.00038 (J)
3/2/2016	0.0033 (J)	0.021		
5/2/2016				0.00073 (J)
5/3/2016		0.016	<0.00025	
5/4/2016	0.0068			
7/5/2016		0.017	<0.00025	0.00077 (J)
7/6/2016	0.01			
9/6/2016			<0.00025	0.0013
9/8/2016	0.0093	0.011		
11/7/2016			<0.00025	<0.00025
11/8/2016	0.0043 (J)			
11/9/2016		0.011		
1/9/2017			<0.00025	0.00053 (J)
1/12/2017		0.0062		
1/13/2017	0.0034			
3/13/2017			<0.00025	<0.00025
3/16/2017	0.0023			
3/17/2017		0.0078		
5/15/2017			<0.00025	<0.00025
5/17/2017	0.0009 (J)	0.0052		
3/12/2018			<0.00025	<0.00025
3/14/2018	0.00062 (J)	0.0033		
6/6/2018			<0.00025	<0.00025
6/8/2018		0.003		
6/9/2018	0.00063 (J)			
10/17/2018		0.0028	<0.00025	<0.00025
11/14/2018	<0.00025			
2/27/2019			<0.00025	<0.00025
2/28/2019		0.00089 (J)		
3/5/2019	<0.00025			
5/31/2019			<0.00025	<0.00025
6/4/2019	<0.00025	0.001 (J)		
11/6/2019			0.00014 (J)	0.00024 (J)
11/12/2019	<0.00025	0.0022 (V)		
4/16/2020			<0.00025	<0.00025
4/18/2020		0.00086		
4/22/2020	<0.00025			

Time Series

Constituent: Barium (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200
2/29/2016	0.014	0.0097 (J)	0.013	0.013	
3/2/2016					0.089
5/2/2016	0.013		0.013	0.01	
5/3/2016					0.076
5/4/2016		0.0095			
7/5/2016	0.013		0.013	0.0089	0.068
7/8/2016		0.0093			
9/6/2016	0.016	0.011	0.013	0.01	
9/8/2016					0.078
11/7/2016	0.014		0.013	0.0096	
11/9/2016					0.051
11/10/2016		0.0092			
1/9/2017	0.015		0.012	0.011	
1/11/2017		0.0092			
1/12/2017					0.036
3/13/2017	0.015		0.013	0.011	
3/14/2017		0.0095			
3/17/2017					0.061
5/15/2017	0.015		0.011	0.0089	
5/16/2017					0.061
5/18/2017		0.0095			
3/12/2018	0.017		0.013	0.01	
3/13/2018					0.042
3/14/2018		0.0089			
6/5/2018	0.018		0.014	0.011	
6/8/2018					0.057
6/10/2018		0.0092			
10/16/2018	0.017		0.011	0.011	
10/18/2018		0.0089			
11/13/2018					0.048
2/27/2019	0.021	0.011	0.014	0.011	
2/28/2019					0.045
5/31/2019	0.02	0.0088	0.013	0.01	
6/4/2019					0.04
11/6/2019	0.019	0.0094	0.012	0.0097	
11/12/2019					0.0071
4/16/2020	0.02	0.0099	0.012	0.012	
4/18/2020					0.025

Time Series

Constituent: Barium (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/1/2016			0.012	0.015
3/2/2016	0.064	0.13		
5/2/2016				0.013
5/3/2016		0.11	0.012	
5/4/2016	0.078			
7/5/2016		0.12	0.011	0.017
7/6/2016	0.081			
9/6/2016			0.012	0.017
9/8/2016	0.095	0.13		
11/7/2016			0.012	0.023
11/8/2016	0.083			
11/9/2016		0.12		
1/9/2017			0.013	0.016
1/12/2017		0.1		
1/13/2017	0.071			
3/13/2017			0.013	0.016
3/16/2017	0.06			
3/17/2017		0.12		
5/15/2017			0.012	0.015
5/17/2017	0.036	0.11		
3/12/2018			0.013	0.015
3/14/2018	0.03	0.079		
6/6/2018			0.014	0.017
6/8/2018		0.07		
6/9/2018	0.029			
10/17/2018		0.059	0.012	0.016
11/14/2018	0.028			
2/27/2019			0.015	0.018
2/28/2019		0.048		
3/5/2019	0.035			
5/31/2019			0.014	0.016
6/4/2019	0.04	0.048		
11/6/2019			0.013	0.017
11/12/2019	0.011	0.0081		
4/16/2020			0.014	0.017
4/18/2020		0.056		
4/22/2020	0.048			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200
2/29/2016	<0.0005	<0.0005	<0.0005	<0.0005	
3/2/2016					<0.0005
5/2/2016	<0.0005		<0.0005	<0.0005	
5/3/2016					<0.0005
5/4/2016		<0.0005			
7/5/2016	<0.0005		<0.0005	<0.0005	<0.0005
7/8/2016		<0.0005			
9/6/2016	<0.0005	<0.0005	<0.0005	<0.0005	
9/8/2016					<0.0005
11/7/2016	<0.0005		<0.0005	<0.0005	
11/9/2016					<0.0005
11/10/2016		<0.0005			
1/9/2017	<0.0005		<0.0005	<0.0005	
1/11/2017		<0.0005			
1/12/2017					<0.0005
3/13/2017	<0.0005		<0.0005	<0.0005	
3/14/2017		<0.0005			
3/17/2017					<0.0005
5/15/2017	<0.0005		<0.0005	<0.0005	
5/16/2017					<0.0005
5/18/2017		<0.0005			
3/12/2018	<0.0005		<0.0005	<0.0005	
3/13/2018					<0.0005
3/14/2018		<0.0005			
6/5/2018	<0.0005		<0.0005	<0.0005	
6/8/2018					<0.0005
6/10/2018		<0.0005			
10/16/2018	<0.0005		<0.0005	<0.0005	
10/18/2018		<0.0005			
11/13/2018					<0.0025 (J3)
2/27/2019	<0.0005	<0.0005	<0.0005	<0.0005	
2/28/2019					<0.0005
5/31/2019	<0.0005	<0.0005	<0.0005	<0.0005	
6/4/2019					<0.0005
11/6/2019	9E-05 (J)	4.7E-05 (J)	6.6E-05 (J)	<0.0005	
11/12/2019					<0.0005
4/16/2020	5.4E-05 (J)	4.3E-05 (J)	6.1E-05 (J)	<0.0005	
4/18/2020					4.5E-05 (J)

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/1/2016			<0.0005	<0.0005
3/2/2016	<0.0005	0.00055 (J)		
5/2/2016				<0.0005
5/3/2016		<0.0005	<0.0005	
5/4/2016	<0.0005			
7/5/2016		0.00048 (J)	<0.0005	<0.0005
7/6/2016	<0.0005			
9/6/2016			<0.0005	<0.0005
9/8/2016	<0.0005	<0.0005		
11/7/2016			<0.0005	<0.0005
11/8/2016	<0.0005			
11/9/2016		<0.0005		
1/9/2017			<0.0005	<0.0005
1/12/2017		<0.0005		
1/13/2017	<0.0005			
3/13/2017			<0.0005	<0.0005
3/16/2017	<0.0005			
3/17/2017		0.00042 (J)		
5/15/2017			<0.0005	<0.0005
5/17/2017	<0.0005	<0.0005		
3/12/2018			<0.0005	<0.0005
3/14/2018	<0.0005	<0.0005		
6/6/2018			<0.0005	<0.0005
6/8/2018		<0.0005		
6/9/2018	<0.0005			
10/17/2018		<0.0005	<0.0005	<0.0005
11/14/2018	<0.0025 (J3)			
2/27/2019			<0.0005	<0.0005
2/28/2019		<0.0005		
3/5/2019	<0.0005			
5/31/2019			<0.0005	<0.0005
6/4/2019	<0.0005	<0.0005		
11/6/2019			<0.0005	<0.0005
11/12/2019	<0.0005	<0.0005		
4/16/2020			<0.0005	<0.0005
4/18/2020		4.1E-05 (J)		
4/22/2020	6.9E-05 (J)			

Time Series

Constituent: Boron (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200
2/29/2016	<0.05	<0.05	<0.05	<0.05	
3/2/2016					32
5/2/2016	<0.05		<0.05	<0.05	
5/3/2016					38
5/4/2016		<0.05			
7/5/2016	<0.05		<0.05	<0.05	42
7/8/2016		<0.05			
9/6/2016	<0.05	<0.05	<0.05	<0.05	
9/8/2016					36
11/7/2016	<0.05		<0.05	<0.05	
11/9/2016					25
11/10/2016		<0.05			
1/9/2017	<0.05		<0.05	<0.05	
1/11/2017		<0.05			
1/12/2017					9.1
3/13/2017	<0.05		<0.05	0.022 (J)	
3/14/2017		<0.05			
3/17/2017					28
5/15/2017	<0.05		<0.05	<0.05	
5/16/2017					21
5/18/2017		<0.05			
10/2/2017	<0.05		<0.05	0.023 (J)	
10/4/2017					18
10/5/2017		<0.05			
12/20/2017					16 (R)
3/12/2018	<0.05		<0.05	<0.05	
3/13/2018					10
3/14/2018		<0.05			
6/5/2018	<0.05		<0.05	<0.05	
6/8/2018					12
6/10/2018		<0.05			
10/16/2018	<0.05		<0.05	<0.05	
10/18/2018		0.081			
11/13/2018					9.1
2/27/2019	<0.05	<0.05	<0.05	<0.05	
2/28/2019					8.5
5/31/2019	<0.05	<0.05	<0.05	<0.05	
6/4/2019					11
11/6/2019	0.017 (V)	0.016 (V)	0.016 (V)	0.022 (V)	
11/12/2019					5.3
4/16/2020	0.02	0.013	0.013	0.017	
4/18/2020					1.6

Time Series

Constituent: Boron (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/1/2016			<0.05	<0.05
3/2/2016	33	82		
5/2/2016				<0.05
5/3/2016		100	<0.05	
5/4/2016	30			
7/5/2016		150	<0.05	<0.05
7/6/2016	35			
9/6/2016			<0.05	<0.05
9/8/2016	38	66		
11/7/2016			<0.05	<0.05
11/8/2016	39			
11/9/2016		81		
1/9/2017			<0.05	<0.05
1/12/2017		68		
1/13/2017	34			
3/13/2017			<0.05	<0.05
3/16/2017	21			
3/17/2017		72		
5/15/2017			<0.05	<0.05
5/17/2017	10	67		
10/2/2017			<0.05	<0.05
10/3/2017		52		
10/4/2017	6			
12/20/2017	4.9 (R)	51		
3/12/2018			<0.05	<0.05
3/14/2018	4.4	48		
6/6/2018			<0.05	<0.05
6/8/2018		40		
6/9/2018	4.1			
10/17/2018		25	<0.05	<0.05
11/14/2018	2.3			
2/27/2019			<0.05	<0.05
2/28/2019		20		
3/5/2019	2.1			
5/31/2019			<0.05	<0.05
6/4/2019	5.2	19		
11/6/2019			0.011 (V)	0.0099 (J)
11/12/2019	4.5	14		
4/16/2020			0.0075 (J)	0.0055 (J)
4/18/2020		17		
4/22/2020	4.2			

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200
2/29/2016	<0.0005	<0.0005	<0.0005	<0.0005	
3/2/2016					0.022 (o)
5/2/2016	<0.0005		<0.0005	<0.0005	
5/3/2016					<0.0005
5/4/2016		<0.0005			
7/5/2016	<0.0005		<0.0005	<0.0005	<0.0005
7/8/2016		<0.0005			
9/6/2016	<0.0005	<0.0005	<0.0005	<0.0005	
9/8/2016					<0.0005
11/7/2016	<0.0005		<0.0005	<0.0005	
11/9/2016					<0.0005
11/10/2016		<0.0005			
1/9/2017	<0.0005		<0.0005	<0.0005	
1/11/2017		<0.0005			
1/12/2017					<0.0005
3/13/2017	<0.0005		<0.0005	<0.0005	
3/14/2017		<0.0005			
3/17/2017					<0.0005
5/15/2017	<0.0005		<0.0005	<0.0005	
5/16/2017					<0.0005
5/18/2017		<0.0005			
3/12/2018	<0.0005		<0.0005	<0.0005	
3/13/2018					0.00039 (J)
3/14/2018		<0.0005			
6/5/2018	<0.0005		<0.0005	<0.0005	
6/8/2018					<0.0005
6/10/2018		<0.0005			
10/16/2018	<0.0005		<0.0005	<0.0005	
10/18/2018		<0.0005			
11/13/2018					<0.0005
2/27/2019	<0.0005	<0.0005	<0.0005	<0.0005	
2/28/2019					<0.0005
5/31/2019	<0.0005	<0.0005	<0.0005	<0.0005	
6/4/2019					<0.0005
11/6/2019	<0.0005	<0.0005	<0.0005	<0.0005	
11/12/2019					0.00061 (J)
4/16/2020	<0.0005	<0.0005	<0.0005	<0.0005	
4/18/2020					0.00091

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/1/2016			<0.0005	<0.0005
3/2/2016	<0.0005	0.0031 (J)		
5/2/2016				<0.0005
5/3/2016		0.0025	<0.0005	
5/4/2016	0.014			
7/5/2016		0.0026	<0.0005	<0.0005
7/6/2016	0.015			
9/6/2016			<0.0005	<0.0005
9/8/2016	0.015	0.0026 (J)		
11/7/2016			<0.0005	<0.0005
11/8/2016	0.014			
11/9/2016		0.0032 (J)		
1/9/2017			<0.0005	<0.0005
1/12/2017		0.0031		
1/13/2017	0.013			
3/13/2017			<0.0005	<0.0005
3/16/2017	0.0084			
3/17/2017		0.0027		
5/15/2017			<0.0005	<0.0005
5/17/2017	0.0044	0.0024 (J)		
3/12/2018			<0.0005	<0.0005
3/14/2018	0.0032	0.0014 (J)		
6/6/2018			<0.0005	<0.0005
6/8/2018		0.0014 (J)		
6/9/2018	0.0029			
10/17/2018		0.00088 (J)	<0.0005	<0.0005
11/14/2018	0.0021 (J)			
2/27/2019			<0.0005	<0.0005
2/28/2019		0.00065 (J)		
3/5/2019	0.0023 (J)			
5/31/2019			<0.0005	<0.0005
6/4/2019	0.0017 (J)	0.00035 (J)		
11/6/2019			<0.0005	<0.0005
11/12/2019	0.002 (J)	0.00055 (J)		
4/16/2020			<0.0005	<0.0005
4/18/2020		0.00029 (J)		
4/22/2020	0.0013			

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200
2/29/2016	1	1 (J)	0.67	1.4	
3/2/2016					900
5/2/2016	0.78		0.58	1.1	
5/3/2016					1200
5/4/2016		0.62			
7/5/2016	0.65		0.43	0.94	920
7/8/2016		0.4			
9/6/2016	0.7	0.45	0.48	1	
9/8/2016					870
11/7/2016	0.8		0.56	1.2	
11/9/2016					570
11/10/2016		0.44			
1/9/2017	0.74		0.43	1.2	
1/11/2017		0.42			
1/12/2017					220
3/13/2017	0.78		0.48	1.3	
3/14/2017		0.42			
3/17/2017					570
5/15/2017	0.76		0.37	1	
5/16/2017					500
5/18/2017		0.38			
10/2/2017	0.78		0.47	1.2	
10/4/2017					490
10/5/2017		0.39			
12/20/2017					420 (R)
3/12/2018	0.88		0.49	1.4	
3/13/2018					290
3/14/2018		0.49			
6/5/2018	0.9		0.49	1.2	
6/8/2018					320
6/10/2018		0.39			
10/16/2018	0.86		0.42	1.4	
10/18/2018		0.41			
11/13/2018					220
2/27/2019	0.96	0.44	0.56	1.3	
2/28/2019					230
5/31/2019	0.76	0.28	0.33	1.1	
6/4/2019					170
11/6/2019	0.88	0.46	0.49	1.2	
11/12/2019					130
4/16/2020	0.84	0.38	0.36	1.3	
4/18/2020					40

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/1/2016			0.6	1.5
3/2/2016	890	2400		
5/2/2016				0.83
5/3/2016		2100	0.55	
5/4/2016	830			
7/5/2016		2200	0.53	1.6
7/6/2016	780			
9/6/2016			0.5	1.6
9/8/2016	820	2000		
11/7/2016			0.68	1.5
11/8/2016	760			
11/9/2016		2000		
1/9/2017			0.56	0.98
1/12/2017		1800		
1/13/2017	660			
3/13/2017			0.62	0.75
3/16/2017	400			
3/17/2017		1800		
5/15/2017			0.58	0.83
5/17/2017	160	1500		
10/2/2017			0.62	0.83
10/3/2017		1300		
10/4/2017	100			
12/20/2017	82 (R)	1200		
3/12/2018			0.59	0.71
3/14/2018	75	1100		
6/6/2018			0.59	0.68
6/8/2018		800		
6/9/2018	64			
10/17/2018		530	0.54	0.66
11/14/2018	38			
2/27/2019			0.63	0.7
2/28/2019		350		
3/5/2019	43			
5/31/2019			0.45	0.52
6/4/2019	54	380 (D)		
11/6/2019			0.55	0.74
11/12/2019	82	240		
4/16/2020			0.53	0.59
4/18/2020		320		
4/22/2020	61			

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200
2/29/2016	5.3	5.4	8.1	7.4	
3/2/2016					1700
5/2/2016	4.4		6	6.3	
5/3/2016					2500
5/4/2016		4.5			
7/5/2016	4.2		5.2	4.8	<140
7/8/2016		4.9			
9/6/2016	4.3	4.3	5.5	6	
9/8/2016					1900
11/7/2016	4.2		5.4	5.7	
11/9/2016					1200
11/10/2016		4.5			
1/9/2017	5.3		6.1	6.8	
1/11/2017		5.3			
1/12/2017					470
3/13/2017	5.2		5.5	6.8	
3/14/2017		5.5			
3/17/2017					1100
5/15/2017	4.8		4.7	6.1	
5/16/2017					1000
5/18/2017		5			
10/2/2017	5.5		6.1	6	
10/4/2017					910
10/5/2017		5.6			
12/20/2017					810 (R)
3/12/2018	5.3		6.1	5.9	
3/13/2018					530
3/14/2018		5.2			
6/5/2018	5.3		5.5	6.5	
6/8/2018					680
6/10/2018		5.2			
10/16/2018	5.5		5.1	5.9	
10/18/2018		5.2			
11/13/2018					450
2/27/2019	4.6	5.1	5	4.3	
2/28/2019					470
5/31/2019	5.1	5	5.4	4.5	
6/4/2019					310
11/6/2019	5.8	6	6.1	5.7	
11/12/2019					280
4/16/2020	6.1	5.8	5.3	5.6	
4/18/2020					59

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/1/2016			5.6	4
3/2/2016	1700	4700		
5/2/2016				3.6
5/3/2016		4900	5.1	
5/4/2016	1600			
7/5/2016		360 (o)	4.7	3.6
7/6/2016	2000			
9/6/2016			4.4	4
9/8/2016	1800	4400		
11/7/2016			4.6	4.4
11/8/2016	1800			
11/9/2016		4800		
1/9/2017			5.3	4.4
1/12/2017		3900		
1/13/2017	1500			
3/13/2017			5.6	4.1
3/16/2017	870			
3/17/2017		3700		
5/15/2017			5.2	3.7
5/17/2017	310	3500		
10/2/2017			5.5	4.8
10/3/2017		2300		
10/4/2017	160			
12/20/2017	110 (R)	2400		
3/12/2018			5.6	4
3/14/2018	110	2100		
6/6/2018			5.6	4.1
6/8/2018		1800		
6/9/2018	86			
10/17/2018		1200	5.5	3.7
11/14/2018	41			
2/27/2019			5.1	4
2/28/2019		720		
3/5/2019	75			
5/31/2019			5.4	3.7
6/4/2019	98	690		
11/6/2019			5.9	4.7
11/12/2019	190	490		
4/16/2020			6.2	4.9
4/18/2020		660		
4/22/2020	120			

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200
2/29/2016	<0.0005	<0.0005	<0.0005	<0.0005	
3/2/2016					<0.0005
5/2/2016	0.0029		0.0019 (J)	0.0034	
5/3/2016					<0.0005
5/4/2016		<0.0005			
7/5/2016	<0.0005		0.0051	0.0059	<0.0005
7/8/2016		<0.0005			
9/6/2016	<0.0005	<0.0005	<0.0005	<0.0005	
9/8/2016					<0.0005
11/7/2016	<0.0005		<0.0005	<0.0005	
11/9/2016					<0.0005
11/10/2016		<0.0005			
1/9/2017	<0.0005		0.017 (o)	<0.0005	
1/11/2017		<0.0005			
1/12/2017					<0.0005
3/13/2017	<0.0005		<0.0005	<0.0005	
3/14/2017		<0.0005			
3/17/2017					<0.0005
5/15/2017	<0.0005		<0.0005	<0.0005	
5/16/2017					<0.0005
5/18/2017		<0.0005			
3/12/2018	<0.0005		<0.0005	<0.0005	
3/13/2018					<0.0005
3/14/2018		<0.0005			
6/5/2018	<0.0005		<0.0005	<0.0005	
6/8/2018					<0.0005
6/10/2018		<0.0005			
10/16/2018	<0.0005		<0.0005	<0.0005	
10/18/2018		<0.0005			
2/27/2019	<0.0005	<0.0005	<0.0005	<0.0005	
2/28/2019					<0.0005
5/31/2019	<0.0005	<0.0005	<0.0005	<0.0005	
11/6/2019	<0.0005	<0.0005	<0.0005	<0.0005	
4/16/2020	<0.0005	<0.0005	<0.0005	<0.0005	
4/18/2020					<0.0005

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/1/2016			<0.0005	0.00056 (J)
3/2/2016	<0.0005	0.0026 (J)		
5/2/2016				0.0021 (J)
5/3/2016		<0.0005	0.0012 (J)	
5/4/2016	<0.0005			
7/5/2016		<0.0005	<0.0005	<0.0005
7/6/2016	<0.0005			
9/6/2016			<0.0005	<0.0005
9/8/2016	<0.0005	<0.0005		
11/7/2016			<0.0005	<0.0005
11/8/2016	<0.0005			
11/9/2016		<0.0005		
1/9/2017			<0.0005	<0.0005
1/12/2017		<0.0005		
1/13/2017	<0.0005			
3/13/2017			<0.0005	<0.0005
3/16/2017	<0.0005			
3/17/2017		<0.0005		
5/15/2017			<0.0005	<0.0005
5/17/2017	<0.0005	<0.0005		
3/12/2018			<0.0005	<0.0005
3/14/2018	<0.0005	<0.0005		
6/6/2018			<0.0005	<0.0005
6/8/2018		<0.0005		
6/9/2018	<0.0005			
10/17/2018			<0.0005	<0.0005
2/27/2019			<0.0005	<0.0005
2/28/2019		<0.0005		
3/5/2019	<0.0005			
5/31/2019			<0.0005	<0.0005
11/6/2019			<0.0005	<0.0005
4/16/2020			<0.0005	<0.0005
4/18/2020		<0.0005		
4/22/2020	<0.0005			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200
2/29/2016	0.00039 (J)	<0.0025	0.00064 (J)	0.00023 (J)	
3/2/2016					0.0024 (J)
5/2/2016	0.0013 (J)		0.0014 (J)	0.00092 (J)	
5/3/2016					0.0015 (J)
5/4/2016		<0.0025			
7/5/2016	0.00049 (J)		0.0027	0.0032	0.0015 (J)
7/8/2016		<0.0025			
9/6/2016	0.00062 (J)	0.00042 (J)	0.00062 (J)	<0.0025	
9/8/2016					<0.0025
11/7/2016	0.00049 (J)		0.00058 (J)	<0.0025	
11/9/2016					<0.0025
11/10/2016		<0.0025			
1/9/2017	0.00045 (J)		0.00059 (J)	<0.0025	
1/11/2017		<0.0025			
1/12/2017					0.00056 (J)
3/13/2017	0.00048 (J)		0.0005 (J)	<0.0025	
3/14/2017		<0.0025			
3/17/2017					0.0012 (J)
5/15/2017	0.00052 (J)		0.00046 (J)	<0.0025	
5/16/2017					0.0013 (J)
5/18/2017		<0.0025			
3/12/2018	0.00055 (J)		0.00055 (J)	<0.0025	
3/13/2018					0.0011 (J)
3/14/2018		<0.0025			
6/5/2018	0.00051 (J)		0.00052 (J)	<0.0025	
6/8/2018					0.0028
6/10/2018		<0.0025			
10/16/2018	0.00058 (J)		0.00045 (J)	<0.0025	
10/18/2018		<0.0025			
11/13/2018					0.0019 (J)
2/27/2019	0.00065 (J)	<0.0025	0.00056 (J)	<0.0025	
2/28/2019					0.0024 (J)
5/31/2019	0.00046 (J)	<0.0025	<0.0025	<0.0025	
6/4/2019					0.0013 (J)
11/6/2019	0.00056 (J)	0.00033 (J)	0.00048 (J)	0.00019 (J)	
11/12/2019					<0.0025
4/16/2020	0.00058	0.00035 (J)	0.00043 (J)	0.00021 (J)	
4/18/2020					0.00048 (J)

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/1/2016			0.00064 (J)	0.00071 (J)
3/2/2016	0.0013 (J)	0.0074 (J)		
5/2/2016				0.001 (J)
5/3/2016		0.0051	0.00079 (J)	
5/4/2016	0.0026			
7/5/2016		0.0055	<0.0025	0.00055 (J)
7/6/2016	0.0033			
9/6/2016			0.00094 (J)	0.00057 (J)
9/8/2016	0.0038 (J)	0.0056 (J)		
11/7/2016			0.00041 (J)	0.00047 (J)
11/8/2016	0.0035 (J)			
11/9/2016		0.0057 (J)		
1/9/2017			0.00074 (J)	0.00054 (J)
1/12/2017		0.0044		
1/13/2017	0.006			
3/13/2017			0.00091 (J)	0.0004 (J)
3/16/2017	0.0021 (J)			
3/17/2017		0.0027		
5/15/2017			0.00075 (J)	0.00046 (J)
5/17/2017	0.0021 (J)	0.0035		
3/12/2018			0.00044 (J)	<0.0025
3/14/2018	0.0022 (J)	0.0027		
6/6/2018			0.0004 (J)	0.00048 (J)
6/8/2018		0.0029		
6/9/2018	0.0016 (J)			
10/17/2018		0.0027	<0.0025	0.00043 (J)
11/14/2018	0.0016 (J)			
2/27/2019			<0.0025	0.00045 (J)
2/28/2019		0.0022 (J)		
3/5/2019	0.0017 (J)			
5/31/2019			<0.0025	<0.0025
6/4/2019	0.0014 (J)	0.0018 (J)		
11/6/2019			0.00029 (J)	0.00094 (J)
11/12/2019	<0.0025	0.00067 (J)		
4/16/2020			0.00029 (J)	0.00053
4/18/2020		0.0016		
4/22/2020	0.00091			

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200
2/29/2016	1.27	1.09	1.42	2.4	
3/2/2016					22.9
5/2/2016	0.808		1.03	1.62	
5/3/2016					23.6
5/4/2016		0.848			
7/5/2016	0.947		0.961	1.01	23.6
7/8/2016		1.46			
9/6/2016	1.07	1.34	1.07	1.8	
9/8/2016					20.8
11/7/2016	0.602		0.818	1.86	
11/9/2016					7.46
11/10/2016		1.23			
1/9/2017	0.865		0.934	2.25	
1/11/2017		1.11			
1/12/2017					11.2
3/13/2017	0.693		0.937	1.87	
3/14/2017		1.01			
3/17/2017					14.3
5/15/2017	0.786		0.685	1.4	
5/16/2017					16.9
5/18/2017		0.745			
3/12/2018	0.933		1.09	1.97	
3/13/2018					10.9
3/14/2018		0.614			
6/5/2018	0.713		0.927	2.17	
6/8/2018					10.6
6/10/2018		0.959			
10/16/2018	2.14		1.07	2.2	
10/18/2018		0.944			
11/13/2018					9.09
2/27/2019	0.651	0.827	0.912	1.8	
2/28/2019					9.7
5/31/2019	1.33	0.99	1.24	1.8	
6/4/2019					7.7
11/6/2019	1.32	0.892	0.509 (U)	2.32	
11/12/2019					6.4
4/16/2020	0.971	0.497	0.568	1.35	
4/18/2020					2.42

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/1/2016			0.647	<5
3/2/2016	22.1	36.5		
5/2/2016				<5
5/3/2016		35.5	0.748	
5/4/2016	19.9			
7/5/2016		32.9	0.591	<5
7/6/2016	28.5			
9/6/2016			0.831	0.566
9/8/2016	20.1	23		
11/7/2016			0.983	0.784
11/8/2016	24.6			
11/9/2016		40.5		
1/9/2017			0.767	0.541
1/12/2017		35.4		
1/13/2017	22.8			
3/13/2017			1.26	0.442
3/16/2017	12.2			
3/17/2017		27.7		
5/15/2017			0.553	0.345
5/17/2017	7.05	26.4		
3/12/2018			0.783	0.848
3/14/2018	6.95	17.7		
6/6/2018			1.08	0.78
6/8/2018		15.3		
6/9/2018	6.52			
10/17/2018		12.6	1.19	0.88
11/14/2018	5.66			
2/27/2019			0.741	0.431
2/28/2019		8.04		
3/5/2019	8.11			
5/31/2019			0.759	0.884
6/4/2019	5.89	8.36		
11/6/2019			0.105 (U)	0.366 (U)
11/12/2019	8.32	7.14		
4/16/2020			0.588	0.264 (U)
4/18/2020		7.03		
4/22/2020	7.2			

Time Series

Constituent: Field pH (SU) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200
2/29/2016	5.11	5.26	5.11	4.9	
3/2/2016					5.16 (D)
5/2/2016	4.76		4.77	4.69	
5/3/2016					5.1
5/4/2016		5.1			
7/5/2016	5.12		5.48	7.11 (o)	4.86
7/8/2016		4.96			
9/6/2016	5.11	5.43	5.12	5.19	
9/8/2016					4.76
11/7/2016	4.76		4.73	4.64	
11/9/2016					4.99
11/10/2016		4.89			
1/9/2017	4.99		5	4.94	
1/11/2017		4.87			
1/12/2017					5.04
3/13/2017	4.57		4.74	4.63	
3/14/2017		4.71			
3/17/2017					5.02
5/15/2017	4.6		4.63	4.52	
5/16/2017					4.77
5/18/2017		4.5			
10/2/2017	4.64		4.63	4.54	
10/4/2017					4.89
10/5/2017		4.63			
12/20/2017					4.94 (R)
3/12/2018	4.85		4.81	4.81	
3/13/2018					5.19
3/14/2018		5.14			
6/5/2018	4.92		5.04	4.9	
6/8/2018					5.05
6/10/2018		5.12			
10/16/2018	4.93		4.98	4.81	
10/18/2018		4.97			
11/13/2018					5.11
2/27/2019	4.75	4.84	4.78	4.71	
2/28/2019					4.97
5/31/2019	4.9	4.92	4.92	4.84	
6/4/2019					5.27
11/6/2019	4.82	4.94	4.88	4.78	
11/12/2019					4.92
4/16/2020	5.03	5.17	5.15	4.96	
4/18/2020					5.2

Time Series

Constituent: Field pH (SU) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/1/2016			5.08	6.37
3/2/2016	5.57	4.62		
5/2/2016				5.605 (D)
5/3/2016		4.26	5.14	
5/4/2016	5.62			
7/5/2016		4.15	5.38	6.29
7/6/2016	5.52			
9/6/2016			5.37	6.42
9/8/2016	5.26	4.6		
11/7/2016			4.92	5.75
11/8/2016	5.09			
11/9/2016		4.12		
1/9/2017			5.05	5.98
1/12/2017		4.24		
1/13/2017	5.14			
3/13/2017			4.87	5.81
3/16/2017	5.1			
3/17/2017		4.22		
5/15/2017			4.69	5.42
5/17/2017	4.9	4.35		
10/2/2017			4.88	5.63
10/3/2017		4.11		
10/4/2017	4.84			
12/20/2017	4.94 (R)	4.31		
3/12/2018			5.07	5.6
3/14/2018	4.82	4.35		
6/6/2018			5.09	5.58
6/8/2018		4.31		
6/9/2018	4.81			
10/17/2018		4.41	4.99	5.54
11/14/2018	4.85			
2/27/2019			4.87	5.4
2/28/2019		4.42		
3/5/2019	4.71			
5/31/2019			4.89	5.45
6/4/2019	4.85	4.69		
11/6/2019			5.04	5.52
11/12/2019	4.67	4.56		
4/16/2020			5.13	5.58
4/18/2020		5		
4/22/2020	4.69			

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200
2/29/2016	<0.1	<0.1	<0.1	<0.1	
3/2/2016					0.088 (J)
5/2/2016	<0.1		<0.1	<0.1	
5/3/2016					0.05 (J)
5/4/2016		<0.1			
7/5/2016	<0.1		<0.1	<0.1	0.07 (J)
7/8/2016		<0.1			
9/6/2016	<0.1	<0.1	<0.1	<0.1	
9/8/2016					0.07 (J)
11/7/2016	<0.1		<0.1	<0.1	
11/9/2016					0.06 (J)
11/10/2016		<0.1			
1/9/2017	<0.1		<0.1	<0.1	
1/11/2017		<0.1			
1/12/2017					<0.1
3/13/2017	<0.1		<0.1	<0.1	
3/14/2017		<0.1			
3/17/2017					0.05 (J)
5/15/2017	<0.1		<0.1	<0.1	
5/16/2017					0.06 (J)
5/18/2017		<0.1			
10/2/2017	<0.1		<0.1	<0.1	
10/4/2017					0.08 (J)
10/5/2017		<0.1			
3/12/2018	<0.1		<0.1	<0.1	
3/13/2018					0.05 (J)
3/14/2018		0.12			
6/5/2018	<0.1		<0.1	<0.1	
6/8/2018					0.13
6/10/2018		<0.1			
10/16/2018	<0.1		<0.1	<0.1	
10/18/2018		<0.1			
11/13/2018					0.1
2/27/2019	<0.1	<0.1	<0.1	<0.1	
2/28/2019					0.3
5/31/2019	<0.1	<0.1	<0.1	<0.1	
6/4/2019					<0.1
11/6/2019	<0.1	<0.1	<0.1	<0.1	
11/12/2019					0.072 (J)
4/16/2020	<0.1	<0.1	<0.1	<0.1	
4/18/2020					<0.1

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/1/2016			<0.1	0.033 (J)
3/2/2016	0.54	0.074 (J)		
5/2/2016				<0.1
5/3/2016		0.05 (J)	<0.1	
5/4/2016	0.41			
7/5/2016		0.05 (J)	<0.1	<0.1
7/6/2016	0.49			
9/6/2016			<0.1	<0.1
9/8/2016	0.57	0.05 (J)		
11/7/2016			<0.1	<0.1
11/8/2016	0.47			
11/9/2016		0.04 (J)		
1/9/2017			<0.1	<0.1
1/12/2017		0.04 (J)		
1/13/2017	0.73			
3/13/2017			<0.1	<0.1
3/16/2017	0.92			
3/17/2017		0.04 (J)		
5/15/2017			<0.1	<0.1
5/17/2017	0.77	0.06 (J)		
10/2/2017			<0.1	<0.1
10/3/2017		0.11		
10/4/2017	0.96			
12/20/2017	0.88 (R)	0.08 (I)		
3/12/2018			<0.1	<0.1
3/14/2018	0.84	0.08 (J)		
6/6/2018			<0.1	<0.1
6/8/2018		0.1		
6/9/2018	0.78			
10/17/2018		0.12	<0.1	<0.1
11/14/2018	0.67			
2/27/2019			<0.1	<0.1
2/28/2019		0.1		
3/5/2019	0.64			
5/31/2019			<0.1	<0.1
6/4/2019	0.09 (J)	0.08 (J)		
11/6/2019			<0.1	<0.1
11/12/2019	0.57	0.045 (J)		
4/16/2020			<0.1	<0.1
4/18/2020		<0.1		
4/22/2020	0.39			

Time Series

Constituent: Lead (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200
2/29/2016	<0.00025	<0.00025	<0.00025	<0.00025	
3/2/2016					<0.00025
5/2/2016	<0.00025		<0.00025	<0.00025	
5/3/2016					0.0015
5/4/2016		<0.00025			
7/5/2016	<0.00025		<0.00025	<0.00025	0.0017
7/8/2016		<0.00025			
9/6/2016	<0.00025	<0.00025	<0.00025	<0.00025	
9/8/2016					0.0021 (J)
11/7/2016	<0.00025		<0.00025	<0.00025	
11/9/2016					<0.00025
11/10/2016		<0.00025			
1/9/2017	<0.00025		<0.00025	<0.00025	
1/11/2017		<0.00025			
1/12/2017					0.00041 (J)
3/13/2017	<0.00025		<0.00025	<0.00025	
3/14/2017		<0.00025			
3/17/2017					0.0011 (J)
5/15/2017	<0.00025		<0.00025	<0.00025	
5/16/2017					0.0011 (J)
5/18/2017		<0.00025			
3/12/2018	<0.00025		<0.00025	<0.00025	
3/13/2018					0.00047 (J)
3/14/2018		<0.00025			
6/5/2018	<0.00025		<0.00025	<0.00025	
6/8/2018					0.0013
6/10/2018		<0.00025			
10/16/2018	<0.00025		<0.00025	<0.00025	
10/18/2018		<0.00025			
11/13/2018					0.0014
2/27/2019	<0.00025	<0.00025	0.001 (J)	<0.00025	
2/28/2019					0.0012 (J)
5/31/2019	<0.00025	<0.00025	<0.00025	<0.00025	
6/4/2019					0.00079 (J)
11/6/2019	0.0001 (J)	<0.00025	6.6E-05 (J)	8.4E-05 (J)	
11/12/2019					0.00069 (J)
4/16/2020	6.6E-05 (J)	<0.00025	<0.00025	<0.00025	
4/18/2020					0.00042

Time Series

Constituent: Lead (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/1/2016			<0.00025	<0.00025
3/2/2016	<0.00025	0.011		
5/2/2016				<0.00025
5/3/2016		0.0087	<0.00025	
5/4/2016	<0.00025			
7/5/2016		0.011	<0.00025	<0.00025
7/6/2016	<0.00025			
9/6/2016			<0.00025	<0.00025
9/8/2016	<0.00025	0.0092		
11/7/2016			<0.00025	<0.00025
11/8/2016	<0.00025			
11/9/2016		0.01		
1/9/2017			<0.00025	<0.00025
1/12/2017		0.0086		
1/13/2017	<0.00025			
3/13/2017			<0.00025	<0.00025
3/16/2017	<0.00025			
3/17/2017		0.0082		
5/15/2017			<0.00025	<0.00025
5/17/2017	<0.00025	0.0081		
3/12/2018			<0.00025	<0.00025
3/14/2018	<0.00025	0.004		
6/6/2018			<0.00025	<0.00025
6/8/2018		0.0034		
6/9/2018	<0.00025			
10/17/2018		0.0026	<0.00025	<0.00025
11/14/2018	<0.00025			
2/27/2019			<0.00025	<0.00025
2/28/2019		0.0019		
3/5/2019	0.00037 (J)			
5/31/2019			<0.00025	<0.00025
6/4/2019	0.00065 (J)	0.0011 (J)		
11/6/2019			<0.00025	0.0002 (J)
11/12/2019	0.00061 (J)	0.001 (J)		
4/16/2020			<0.00025	0.00016 (J)
4/18/2020		0.00057		
4/22/2020	0.0005			

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200
2/29/2016	<0.001	<0.001	<0.001	<0.001	
3/2/2016					0.01 (J)
5/2/2016	<0.001		<0.001	<0.001	
5/3/2016					<0.001
5/4/2016		<0.001			
7/5/2016	<0.001		<0.001	<0.001	<0.001
7/8/2016		<0.001			
9/6/2016	<0.001	0.0037 (J)	<0.001	<0.001	
9/8/2016					<0.001
11/7/2016	<0.001		<0.001	<0.001	
11/9/2016					<0.001
11/10/2016		<0.001			
1/9/2017	<0.001		<0.001	<0.001	
1/11/2017		<0.001			
1/12/2017					<0.001
3/13/2017	<0.001		<0.001	<0.001	
3/14/2017		<0.001			
3/17/2017					<0.001
5/15/2017	<0.001		<0.001	<0.001	
5/16/2017					<0.001
5/18/2017		<0.001			
3/12/2018	0.0011 (J)		0.0014 (J)	<0.001	
3/13/2018					<0.001
3/14/2018		<0.001			
6/5/2018	<0.001		0.0012 (J)	<0.001	
6/8/2018					<0.001
6/10/2018		<0.001			
10/16/2018	<0.001		0.0015 (J)	0.0013 (J)	
10/18/2018		0.0013 (J)			
11/13/2018					0.0024 (J)
2/27/2019	<0.001	<0.001	<0.001	<0.001	
2/28/2019					0.0025 (J)
5/31/2019	0.0021 (J)	0.0013 (J)	0.0017 (J)	0.0017 (J)	
6/4/2019					0.0012 (J)
11/6/2019	0.0011	0.001	0.0011	<0.001	
11/12/2019					<0.001
4/16/2020	0.0006 (J)	<0.001	0.00063 (J)	<0.001	
4/18/2020					<0.001

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/1/2016			<0.001	0.0037
3/2/2016	<0.001	<0.001		
5/2/2016				<0.001
5/3/2016		<0.001	<0.001	
5/4/2016	0.0069			
7/5/2016		<0.001	<0.001	<0.001
7/6/2016	0.0086			
9/6/2016			<0.001	<0.001
9/8/2016	0.035	<0.001		
11/7/2016			<0.001	0.0097 (o)
11/8/2016	<0.001			
11/9/2016		<0.001		
1/9/2017			<0.001	<0.001
1/12/2017		<0.001		
1/13/2017	0.0078			
3/13/2017			<0.001	<0.001
3/16/2017	0.0062			
3/17/2017		<0.001		
5/15/2017			<0.001	<0.001
5/17/2017	0.0042 (J)	<0.001		
3/12/2018			<0.001	<0.001
3/14/2018	0.0053	<0.001		
6/6/2018			<0.001	0.0021 (J)
6/8/2018		0.0012 (J)		
6/9/2018	0.0044 (J)			
10/17/2018		0.0014 (J)	<0.001	0.0012 (J)
11/14/2018	0.005			
2/27/2019			<0.001	0.002 (J)
2/28/2019		<0.001		
3/5/2019	0.0043 (J)			
5/31/2019			0.0015 (J)	0.0026 (J)
6/4/2019	0.0044 (J)	<0.001		
11/6/2019			0.00063 (J)	0.0012
11/12/2019	0.0026 (J)	<0.001		
4/16/2020			<0.001	0.00091 (J)
4/18/2020		<0.001		
4/22/2020	0.0024			

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200
2/29/2016	<0.0002	<0.0002	9.1E-05 (J)	<0.0002	
3/2/2016					0.0027
5/2/2016	<0.0002		7.4E-05 (J)	<0.0002	
5/3/2016					0.003
5/4/2016		<0.0002			
7/5/2016	<0.0002		<0.0002	<0.0002	0.0023
7/8/2016		<0.0002			
9/6/2016	<0.0002	<0.0002	<0.0002	<0.0002	
9/8/2016					0.0034
11/7/2016	<0.0002		<0.0002	<0.0002	
11/9/2016					0.0012
11/10/2016		<0.0002			
1/9/2017	<0.0002		<0.0002	<0.0002	
1/11/2017		<0.0002			
1/12/2017					0.0012
3/13/2017	<0.0002		<0.0002	<0.0002	
3/14/2017		<0.0002			
3/17/2017					0.0022
5/15/2017	<0.0002		<0.0002	<0.0002	
5/16/2017					0.0019
5/18/2017		<0.0002			
3/12/2018	<0.0002		<0.0002	<0.0002	
3/13/2018					0.0014
3/14/2018		9.3E-05 (J)			
6/5/2018	<0.0002		<0.0002	<0.0002	
6/8/2018					0.0018
6/10/2018		<0.0002			
10/16/2018	<0.0002		<0.0002	<0.0002	
10/18/2018		<0.0002			
11/13/2018					0.0021
2/27/2019	<0.0002	<0.0002	<0.0002	<0.0002	
2/28/2019					0.0016
5/31/2019	<0.0002	<0.0002	<0.0002	<0.0002	
6/4/2019					0.00061
11/6/2019	<0.0002	<0.0002	<0.0002	<0.0002	
11/12/2019					0.00056
4/16/2020	<0.0002	<0.0002	<0.0002	<0.0002	
4/18/2020					0.00013 (J)

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/1/2016			<0.0002	<0.0002
3/2/2016	0.0026	0.00024		
5/2/2016				<0.0002
5/3/2016		0.00036	<0.0002	
5/4/2016	0.0022			
7/5/2016		0.0007	<0.0002	<0.0002
7/6/2016	0.0026			
9/6/2016			<0.0002	<0.0002
9/8/2016	0.0027	0.00081		
11/7/2016			<0.0002	<0.0002
11/8/2016	0.0016			
11/9/2016		0.00099		
1/9/2017			<0.0002	<0.0002
1/12/2017		0.00064		
1/13/2017	0.0026			
3/13/2017			<0.0002	<0.0002
3/16/2017	0.0015			
3/17/2017		0.00033		
5/15/2017			<0.0002	<0.0002
5/17/2017	0.00016 (J)	0.00034		
3/12/2018			<0.0002	<0.0002
3/14/2018	0.00051	0.0002		
6/6/2018			<0.0002	<0.0002
6/8/2018		0.00016 (J)		
6/9/2018	0.00032			
10/17/2018		0.00014 (J)	<0.0002	<0.0002
11/14/2018	8.2E-05 (J)			
2/27/2019			<0.0002	<0.0002
2/28/2019		0.00012 (J)		
3/5/2019	0.0026			
5/31/2019			<0.0002	<0.0002
6/4/2019	0.0012	<0.0002		
11/6/2019			<0.0002	<0.0002
11/12/2019	0.00048	<0.0002		
4/16/2020			<0.0002	<0.0002
4/18/2020		<0.0002		
4/22/2020	0.0004			

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200
2/29/2016	<0.003	<0.003	<0.003	<0.003	
3/2/2016					<0.003
5/2/2016	<0.003		<0.003	<0.003	
5/3/2016					<0.003
5/4/2016		<0.003			
7/5/2016	<0.003		<0.003	<0.003	<0.003
7/8/2016		<0.003			
9/6/2016	<0.003	<0.003	<0.003	<0.003	
9/8/2016					<0.003
11/7/2016	<0.003		<0.003	<0.003	
11/9/2016					<0.003
11/10/2016		<0.003			
1/9/2017	<0.003		<0.003	<0.003	
1/11/2017		<0.003			
1/12/2017					<0.003
3/13/2017	0.0042 (J)		<0.003	0.0022 (J)	
3/14/2017		<0.003			
3/17/2017					0.0078 (J)
5/15/2017	<0.003		<0.003	<0.003	
5/16/2017					<0.003
5/18/2017		<0.003			
3/12/2018	<0.003		<0.003	<0.003	
3/13/2018					<0.003
3/14/2018		<0.003			
6/5/2018	<0.003		0.00088 (J)	<0.003	
6/8/2018					<0.003
6/10/2018		<0.003			
10/16/2018	<0.003		<0.003	<0.003	
10/18/2018		<0.003			
11/13/2018					<0.003
2/27/2019	<0.003	<0.003	<0.003	<0.003	
2/28/2019					<0.003
5/31/2019	<0.003	<0.003	<0.003	<0.003	
11/6/2019	<0.003	<0.003	<0.003	<0.003	
4/16/2020	<0.003	<0.003	<0.003	<0.003	
4/18/2020					<0.003

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/1/2016			<0.003	<0.003
3/2/2016	<0.003	<0.003		
5/2/2016				<0.003
5/3/2016		<0.003	<0.003	
5/4/2016	<0.003			
7/5/2016		<0.003	<0.003	<0.003
7/6/2016	<0.003			
9/6/2016			<0.003	<0.003
9/8/2016	<0.003	<0.003		
11/7/2016			<0.003	<0.003
11/8/2016	<0.003			
11/9/2016		<0.003		
1/9/2017			<0.003	<0.003
1/12/2017		<0.003		
1/13/2017	<0.003			
3/13/2017			<0.003	<0.003
3/16/2017	0.0015 (J)			
3/17/2017		<0.003		
5/15/2017			<0.003	<0.003
5/17/2017	<0.003	<0.003		
3/12/2018			<0.003	<0.003
3/14/2018	<0.003	0.00092 (J)		
6/6/2018			<0.003	<0.003
6/8/2018		<0.003		
6/9/2018	<0.003			
10/17/2018		<0.003	<0.003	<0.003
11/14/2018	<0.003			
2/27/2019			<0.003	<0.003
2/28/2019		<0.003		
3/5/2019	<0.003			
5/31/2019			<0.003	<0.003
11/6/2019			<0.003	<0.003
4/16/2020			<0.003	<0.003
4/18/2020		<0.003		
4/22/2020	<0.003			

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200
2/29/2016	<0.00025	<0.00025	<0.00025	<0.00025	
3/2/2016					0.018
5/2/2016	<0.00025		<0.00025	0.00025 (J)	
5/3/2016					0.016
5/4/2016		<0.00025			
7/5/2016	<0.00025		<0.00025	<0.00025	0.018
7/8/2016		<0.00025			
9/6/2016	0.00049 (J)	<0.00025	<0.00025	0.00027 (J)	
9/8/2016					0.016
11/7/2016	<0.00025		<0.00025	<0.00025	
11/9/2016					0.013
11/10/2016		<0.00025			
1/9/2017	<0.00025		<0.00025	<0.00025	
1/11/2017		0.00049 (J)			
1/12/2017					0.004
3/13/2017	0.0023		<0.00025	0.0025	
3/14/2017		<0.00025			
3/17/2017					0.015
5/15/2017	<0.00025		<0.00025	<0.00025	
5/16/2017					0.01
5/18/2017		<0.00025			
3/12/2018	0.00046 (J)		0.00064 (J)	0.00047 (J)	
3/13/2018					0.0064
3/14/2018		0.00067 (J)			
6/5/2018	0.00049 (J)		0.00098 (J)	0.00065 (J)	
6/8/2018					0.0076
6/10/2018		0.00028 (J)			
10/16/2018	<0.00025		<0.00025	<0.00025	
10/18/2018		<0.00025			
11/13/2018					0.0062
2/27/2019	<0.00025	<0.00025	<0.00025	<0.00025	
2/28/2019					0.0044
5/31/2019	<0.00025	<0.00025	<0.00025	<0.00025	
6/4/2019					0.0044
11/6/2019	<0.00025	<0.00025	<0.00025	0.00034	
11/12/2019					0.0042
4/16/2020	<0.00025	<0.00025	<0.00025	0.0004	
4/18/2020					0.0028

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/1/2016			<0.00025	<0.00025
3/2/2016	0.013	0.026		
5/2/2016				<0.00025
5/3/2016		0.019	<0.00025	
5/4/2016	0.014			
7/5/2016		0.018	<0.00025	<0.00025
7/6/2016	0.015			
9/6/2016			<0.00025	<0.00025
9/8/2016	0.018	0.018		
11/7/2016			<0.00025	<0.00025
11/8/2016	0.015			
11/9/2016		0.02		
1/9/2017			<0.00025	<0.00025
1/12/2017		0.017		
1/13/2017	0.014			
3/13/2017			<0.00025	<0.00025
3/16/2017	0.012			
3/17/2017		0.016		
5/15/2017			<0.00025	<0.00025
5/17/2017	0.0094	0.013		
3/12/2018			0.00026 (J)	<0.00025
3/14/2018	0.0049	0.019		
6/6/2018			0.00025 (J)	0.00026 (J)
6/8/2018		0.018		
6/9/2018	0.0047			
10/17/2018		0.013	<0.00025	<0.00025
11/14/2018	0.0031			
2/27/2019			<0.00025	<0.00025
2/28/2019		0.011		
3/5/2019	0.0012 (J)			
5/31/2019			<0.00025	<0.00025
6/4/2019	0.002	0.015		
11/6/2019			<0.00025	<0.00025
11/12/2019	0.0026	0.012		
4/16/2020			<0.00025	<0.00025
4/18/2020		0.0085		
4/22/2020	0.0037			

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200
2/29/2016	<5	<5	<5	1.6 (J)	
3/2/2016					400
5/2/2016	15 (o)		<5	2.1 (J)	
5/3/2016					2.2 (J)
5/4/2016		<5			
7/5/2016	<5		<5	2 (J)	450 (J)
7/8/2016		<5			
9/6/2016	<5	<5	<5	1.8 (J)	
9/8/2016					450
11/7/2016	<5		<5	1.7 (J)	
11/9/2016					430
11/10/2016		<5			
1/9/2017	<5		2.6 (J)	1.5 (J)	
1/11/2017		<5			
1/12/2017					130
3/13/2017	2.5 (J)		<5	2.2 (J)	
3/14/2017		<5			
3/17/2017					290
5/15/2017	<5		<5	1.9 (J)	
5/16/2017					280
5/18/2017		<5 (X)			
10/2/2017	<5		<5	3.4 (J)	
10/4/2017					250
10/5/2017		<5			
12/20/2017					230 (R)
3/12/2018	<5		<5	2.6 (J)	
3/13/2018					160
3/14/2018		<5			
6/5/2018	<5		<5	2.6 (J)	
6/8/2018					160
6/10/2018		1.5 (J)			
10/16/2018	<5		<5	2.8 (J)	
10/18/2018		<5			
11/13/2018					130
2/27/2019	<5	1.9 (J)	<5	2.4 (J)	
2/28/2019					130
5/31/2019	<5	<5	<5	3.3 (J)	
6/4/2019					100
11/6/2019	<5	<5	<5	3.7 (J)	
11/12/2019					100
4/16/2020	<5	<5	<5	1.7 (J)	
4/18/2020					64

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/1/2016			<5	<5
3/2/2016	450	460		
5/2/2016				<5
5/3/2016		740	<5	
5/4/2016	500			
7/5/2016		750	<5	<5
7/6/2016	370			
9/6/2016			<5	3.7 (J)
9/8/2016	450	710		
11/7/2016			<5	<5
11/8/2016	450			
11/9/2016		810		
1/9/2017			<5	<5
1/12/2017		600		
1/13/2017	390			
3/13/2017			<5	<5
3/16/2017	290			
3/17/2017		640		
5/15/2017			<5	<5
5/17/2017	270	590		
10/2/2017			1.5 (J)	1.7 (J)
10/3/2017		480		
10/4/2017	240			
12/20/2017	210 (R)	470		
3/12/2018			<5	<5
3/14/2018	190	470		
6/6/2018			<5	<5
6/8/2018		440		
6/9/2018	170			
10/17/2018		270	<5	<5
11/14/2018	110			
2/27/2019			<5	<5
2/28/2019		240		
3/5/2019	86			
5/31/2019			<5	<5
6/4/2019	100	280		
11/6/2019			<5	<5
11/12/2019	93	260		
4/16/2020			<5	<5
4/18/2020		250		
4/22/2020	130			

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200
2/29/2016	<0.0001	<0.0001	<0.0001	<0.0001	
3/2/2016					0.00058 (J)
5/2/2016	<0.0001		<0.0001	<0.0001	
5/3/2016					0.00041 (J)
5/4/2016		<0.0001			
7/5/2016	<0.0001		<0.0001	<0.0001	0.0004 (J)
7/8/2016		<0.0001			
9/6/2016	<0.0001	<0.0001	<0.0001	<0.0001	
9/8/2016					0.00045 (J)
11/7/2016	<0.0001		<0.0001	<0.0001	
11/9/2016					<0.0001
11/10/2016		<0.0001			
1/9/2017	<0.0001		<0.0001	<0.0001	
1/11/2017		<0.0001			
1/12/2017					0.00012 (J)
3/13/2017	<0.0001		<0.0001	<0.0001	
3/14/2017		<0.0001			
3/17/2017					0.00027 (J)
5/15/2017	<0.0001		<0.0001	<0.0001	
5/16/2017					0.00025 (J)
5/18/2017		<0.0001			
3/12/2018	<0.0001		<0.0001	<0.0001	
3/13/2018					0.00018 (J)
3/14/2018		<0.0001			
6/5/2018	<0.0001		<0.0001	<0.0001	
6/8/2018					0.00018 (J)
6/10/2018		<0.0001			
10/16/2018	<0.0001		<0.0001	<0.0001	
10/18/2018		<0.0001			
11/13/2018					<0.0001
2/27/2019	<0.0001	<0.0001	<0.0001	<0.0001	
2/28/2019					0.0001 (J)
5/31/2019	<0.0001	<0.0001	<0.0001	<0.0001	
6/4/2019					<0.0001
11/6/2019	<0.0001	<0.0001	<0.0001	<0.0001	
11/12/2019					<0.0001
4/16/2020	<0.0001	<0.0001	<0.0001	<0.0001	
4/18/2020					5.8E-05 (J)

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/1/2016			<0.0001	<0.0001
3/2/2016	0.0003 (J)	0.00095 (J)		
5/2/2016				<0.0001
5/3/2016		0.00089	<0.0001	
5/4/2016	0.0005			
7/5/2016		0.001	<0.0001	<0.0001
7/6/2016	0.00047 (J)			
9/6/2016			<0.0001	<0.0001
9/8/2016	0.00053 (J)	0.00088 (J)		
11/7/2016			<0.0001	<0.0001
11/8/2016	0.00055 (J)			
11/9/2016		0.00083 (J)		
1/9/2017			<0.0001	<0.0001
1/12/2017		0.00076		
1/13/2017	0.00057			
3/13/2017			<0.0001	<0.0001
3/16/2017	0.0004 (J)			
3/17/2017		0.00088		
5/15/2017			<0.0001	<0.0001
5/17/2017	0.00029 (J)	0.00071		
3/12/2018			<0.0001	<0.0001
3/14/2018	0.00027 (J)	0.00055		
6/6/2018			<0.0001	<0.0001
6/8/2018		0.00048 (J)		
6/9/2018	0.00023 (J)			
10/17/2018		0.0003 (J)	<0.0001	<0.0001
11/14/2018	0.00015 (J)			
2/27/2019			<0.0001	<0.0001
2/28/2019		0.00024 (J)		
3/5/2019	0.00016 (J)			
5/31/2019			<0.0001	<0.0001
6/4/2019	0.00011 (J)	0.00017 (J)		
11/6/2019			<0.0001	<0.0001
11/12/2019	0.00012 (J)	0.00019 (J)		
4/16/2020			<0.0001	<0.0001
4/18/2020		0.00023		
4/22/2020	0.00015			

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-200
2/29/2016	20	20	<5	12	
3/2/2016					7200
5/2/2016	<5		<5	6	
5/3/2016					6400
5/4/2016		6			
7/5/2016	12		14	<5	7000
7/8/2016		6			
9/6/2016	36	36	30	38	
9/8/2016					6000
11/7/2016	18		8	<5	
11/9/2016					3500
11/10/2016		16			
1/9/2017	4 (J)		<5	14	
1/11/2017		38			
1/12/2017					1500
3/13/2017	6		<5	8	
3/14/2017		<5			
3/17/2017					2900
5/15/2017	<5		<5	<5	
5/16/2017					3100
5/18/2017		10			
10/2/2017	<5		<5	6	
10/4/2017					3400
10/5/2017		<5			
12/20/2017					1900 (R)
3/12/2018	18		14	<5	
3/13/2018					1600
3/14/2018		8			
6/5/2018	10		<5	14	
6/8/2018					2000
6/10/2018		8			
10/16/2018	32		12	6	
10/18/2018		28			
11/13/2018					1400
2/27/2019	110	68	54	110	
2/28/2019					1400
5/31/2019	46	<5	8	26	
6/4/2019					1200
11/6/2019	<5	10	4 (J)	<5	
11/12/2019					1000
4/16/2020	28	44	18	8	
4/18/2020					240

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 6/23/2020 12:40 PM View: 200 Series

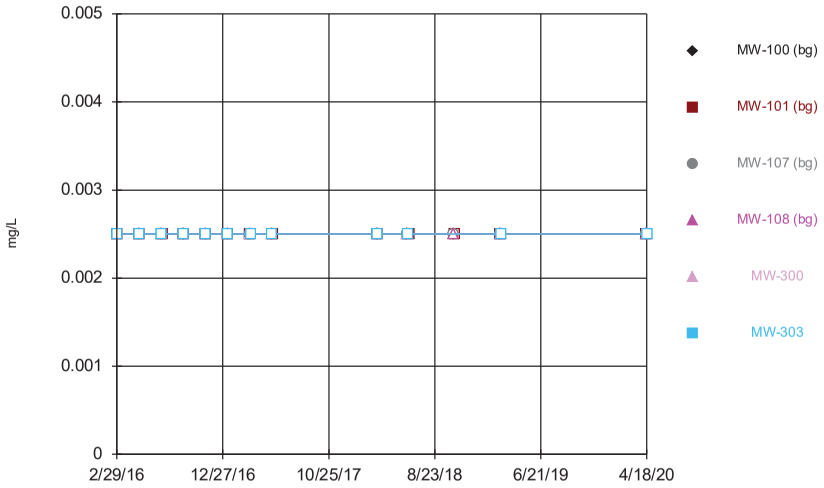
Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-201	MW-206	MW-306 (bg)	MW-307 (bg)
3/1/2016			10	<5
3/2/2016	7200	32000 (o)		
5/2/2016				36
5/3/2016		13000	<5	
5/4/2016	4500			
7/5/2016		8700	<5	<5
7/6/2016	4900			
9/6/2016			36	44
9/8/2016	4400	11000 (Q)		
11/7/2016			<5	30
11/8/2016	6200			
11/9/2016		13000		
1/9/2017			<5	12
1/12/2017		12000		
1/13/2017	4400			
3/13/2017			22	20
3/16/2017	2800			
3/17/2017		10000		
5/15/2017			6	4 (J)
5/17/2017	1100	8300		
10/2/2017			16	24
10/3/2017		7100		
10/4/2017	700			
12/20/2017	590 (R)	7000		
3/12/2018			<5	<5
3/14/2018	490	6300		
6/6/2018			20	16
6/8/2018		5200		
6/9/2018	430			
10/17/2018		3800	44	44
11/14/2018	230			
2/27/2019			20	28
2/28/2019		1700		
3/5/2019	300			
5/31/2019			32	18
6/4/2019	400	2300		
11/6/2019			24	20
11/12/2019	670	1900		
4/16/2020			6	8
4/18/2020		1700		
4/22/2020	600			

300 Series

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

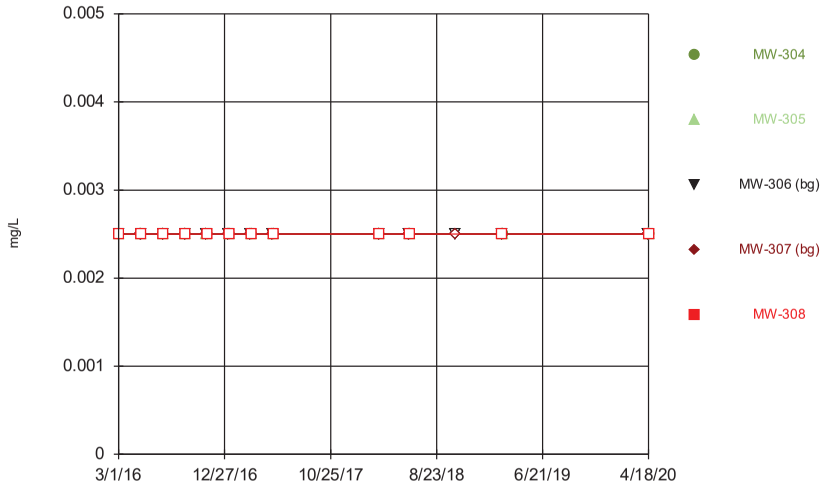
Time Series



Constituent: Antimony Analysis Run 6/25/2020 9:21 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

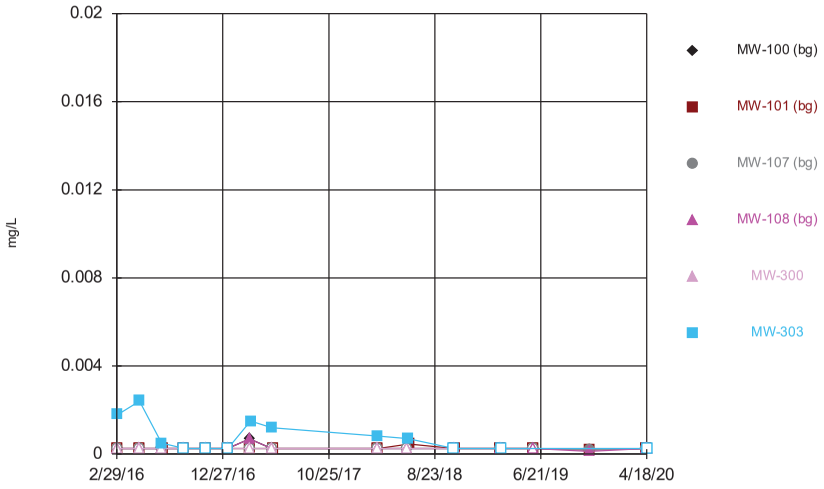
Time Series



Constituent: Antimony Analysis Run 6/25/2020 9:21 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

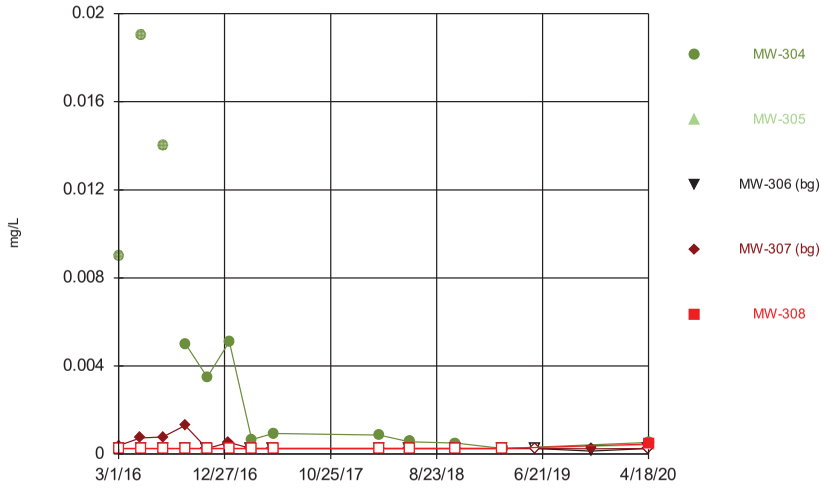
Time Series



Constituent: Arsenic Analysis Run 6/25/2020 9:21 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

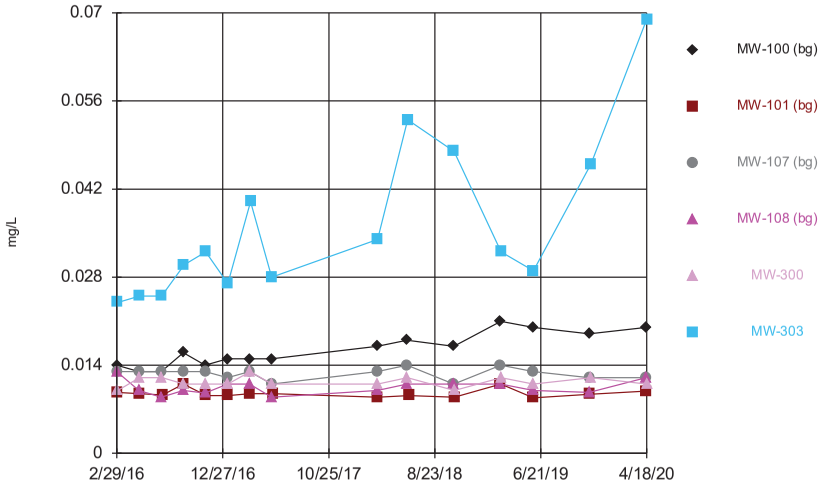
Time Series



Constituent: Arsenic Analysis Run 6/25/2020 9:21 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Time Series

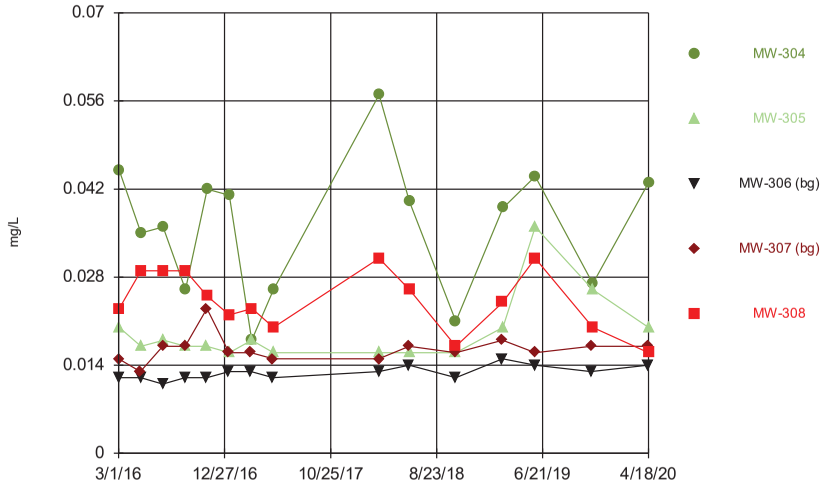


Constituent: Barium Analysis Run 6/25/2020 9:21 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Time Series



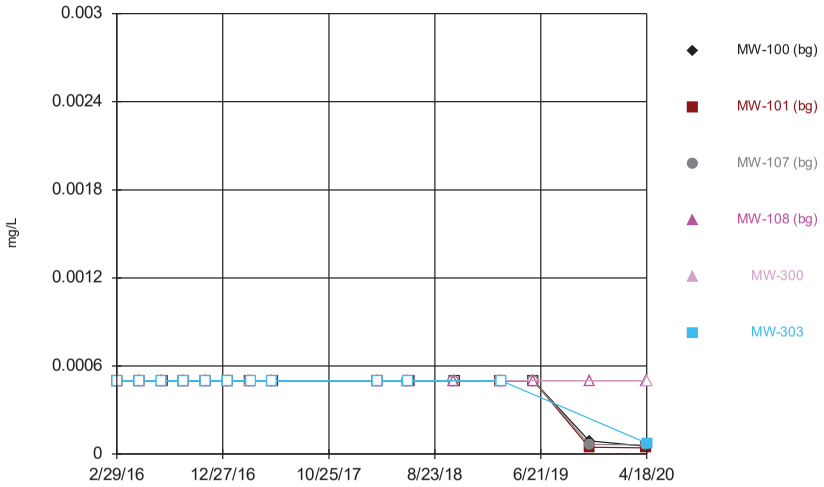
Constituent: Barium Analysis Run 6/25/2020 9:21 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Time Series



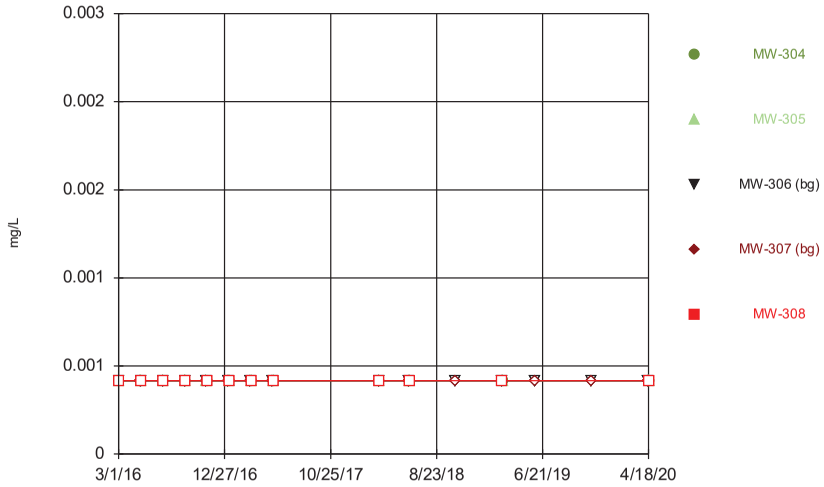
Constituent: Beryllium Analysis Run 6/25/2020 9:21 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Time Series

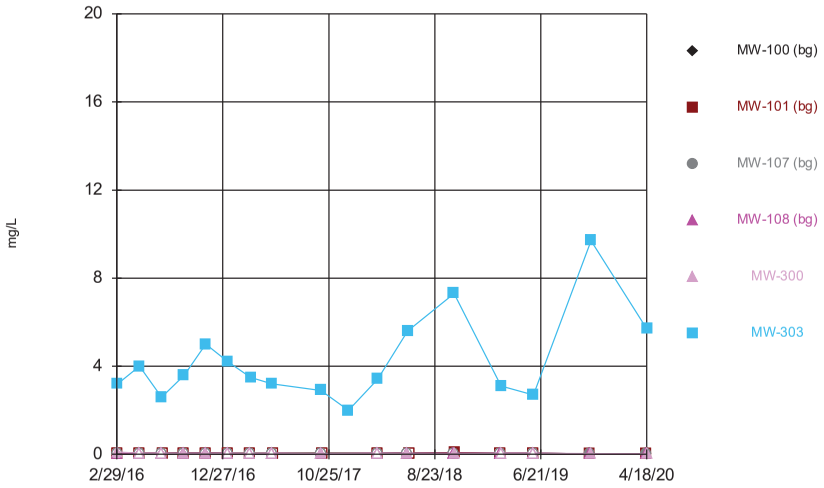


Constituent: Beryllium Analysis Run 6/25/2020 9:21 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

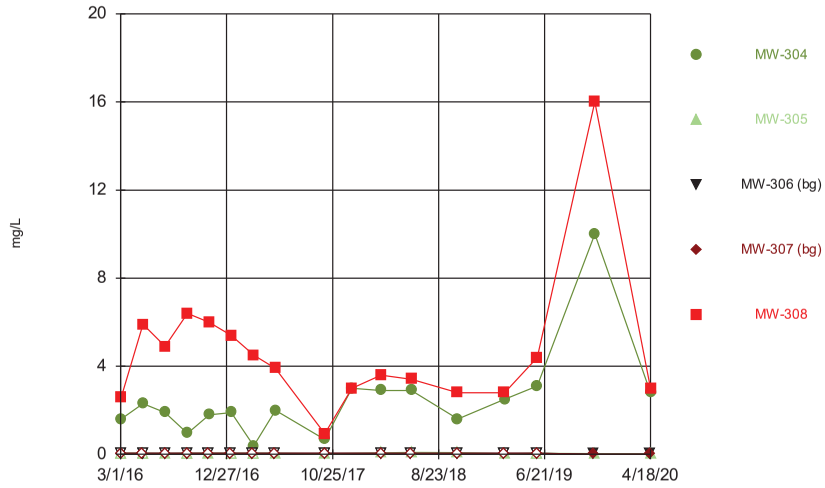
Time Series



Constituent: Boron Analysis Run 6/25/2020 9:21 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

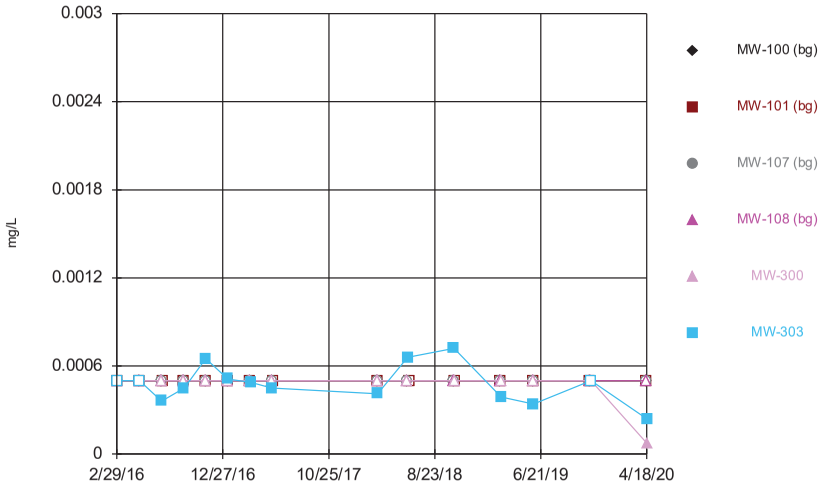
Time Series



Constituent: Boron Analysis Run 6/25/2020 9:21 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

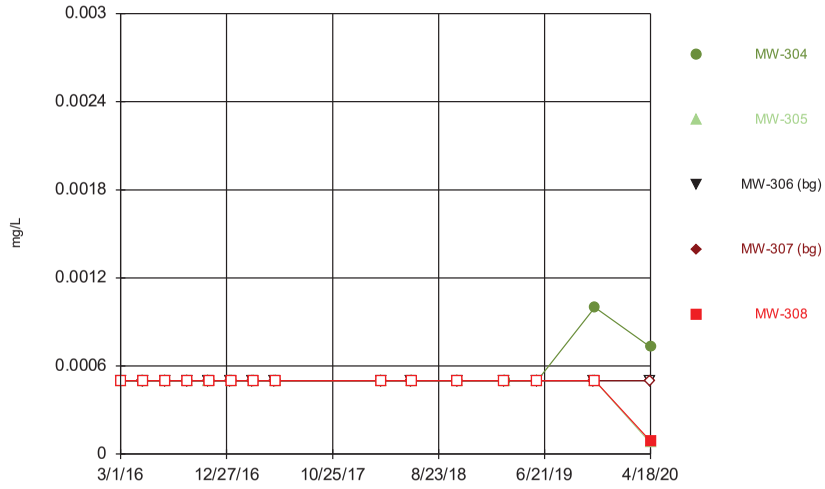
Time Series



Constituent: Cadmium Analysis Run 6/25/2020 9:21 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

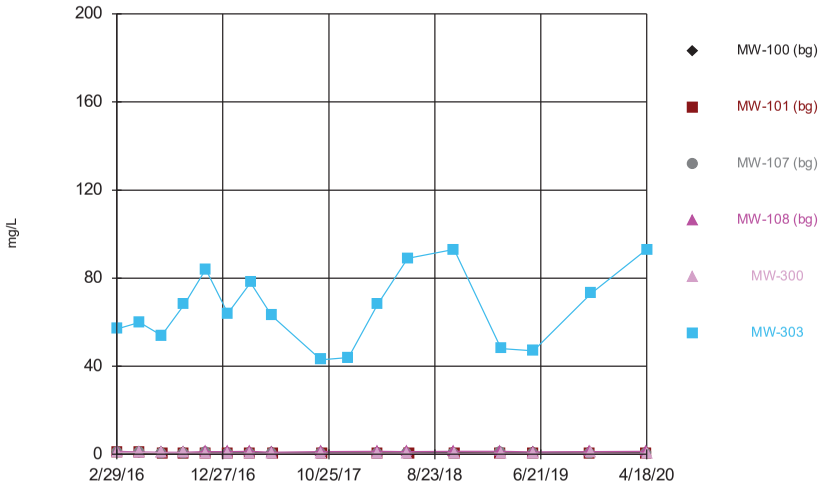
Time Series



Constituent: Cadmium Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

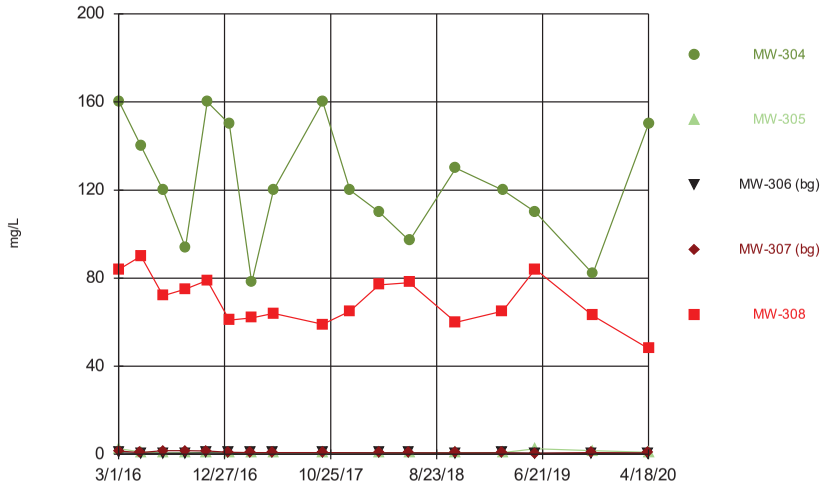
Time Series



Constituent: Calcium Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

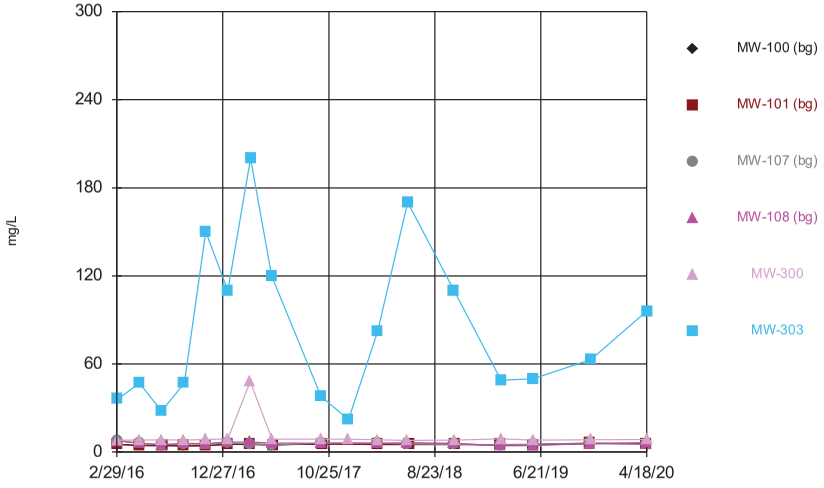
Time Series



Constituent: Calcium Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

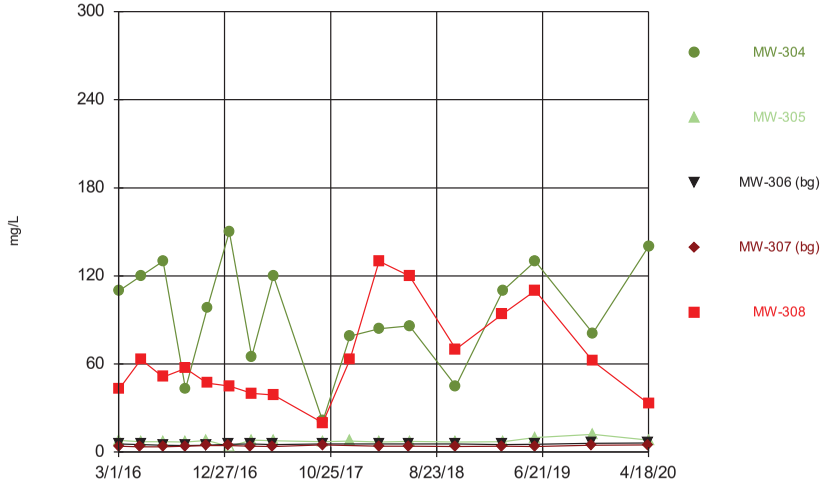
Time Series



Constituent: Chloride Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

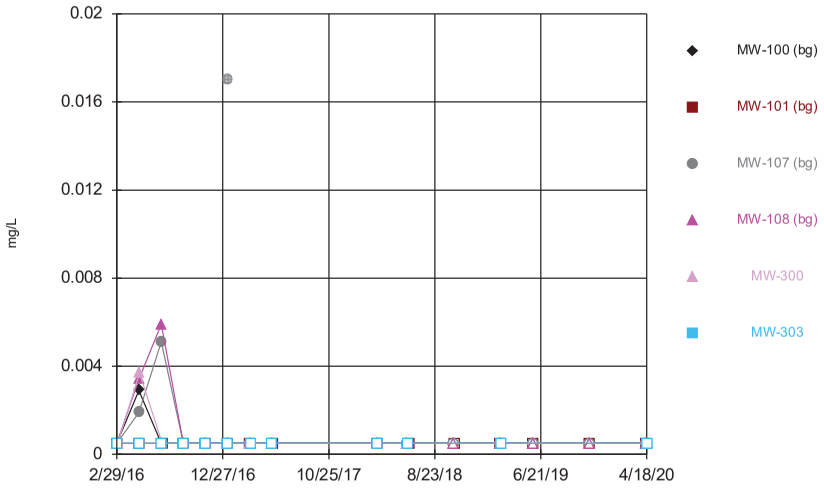
Time Series



Constituent: Chloride Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

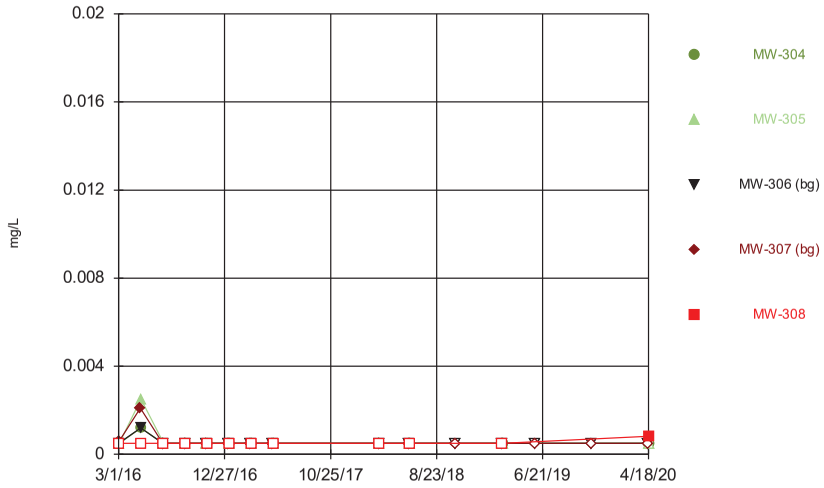
Time Series



Constituent: Chromium Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

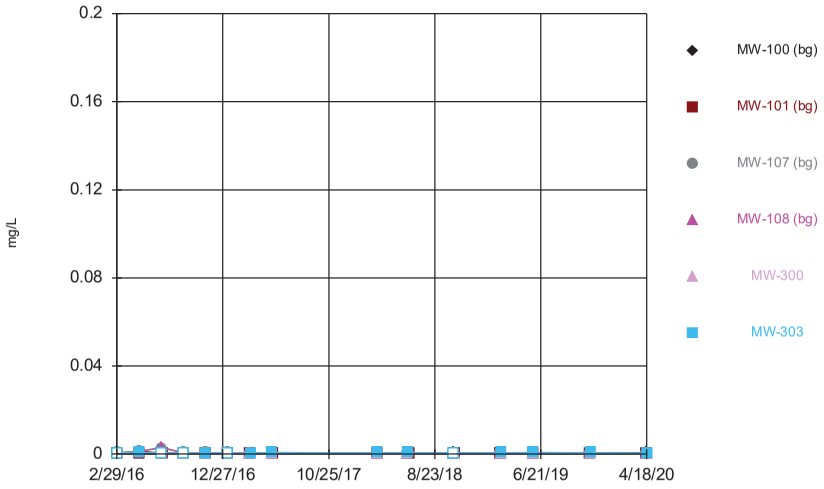
Time Series



Constituent: Chromium Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

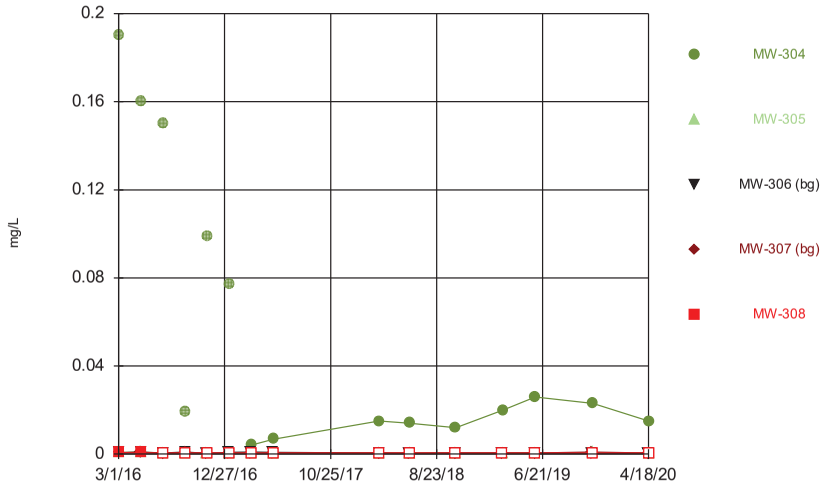
Time Series



Constituent: Cobalt Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

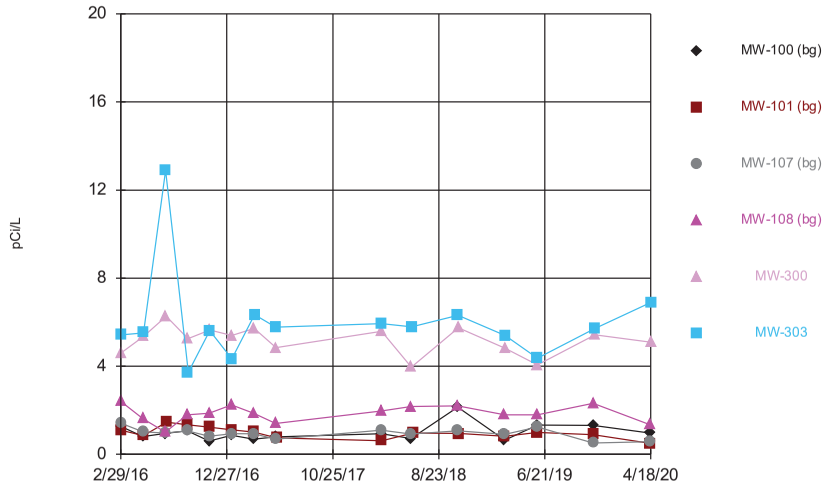
Time Series



Constituent: Cobalt Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

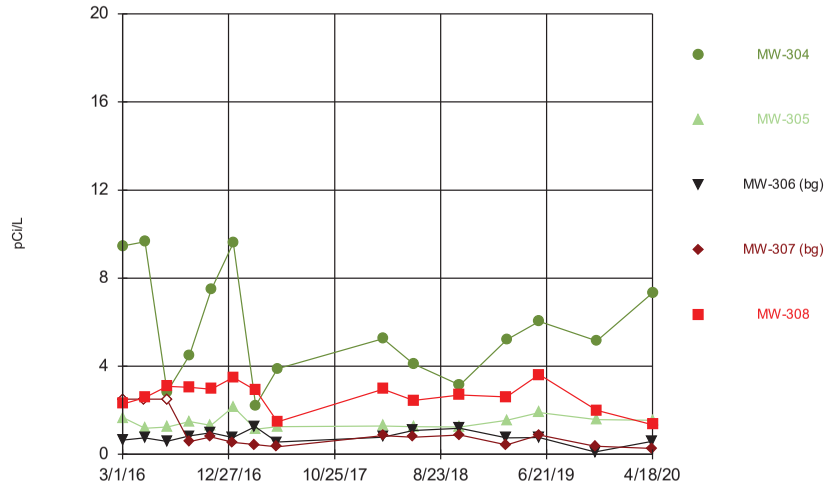
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

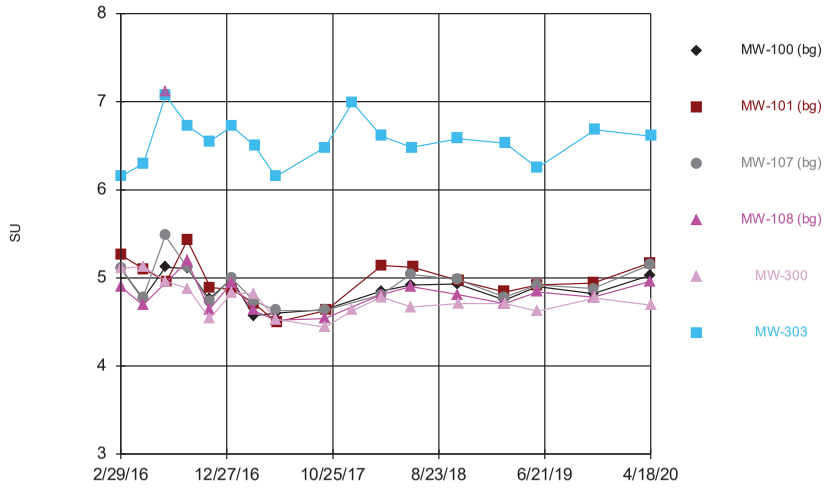
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

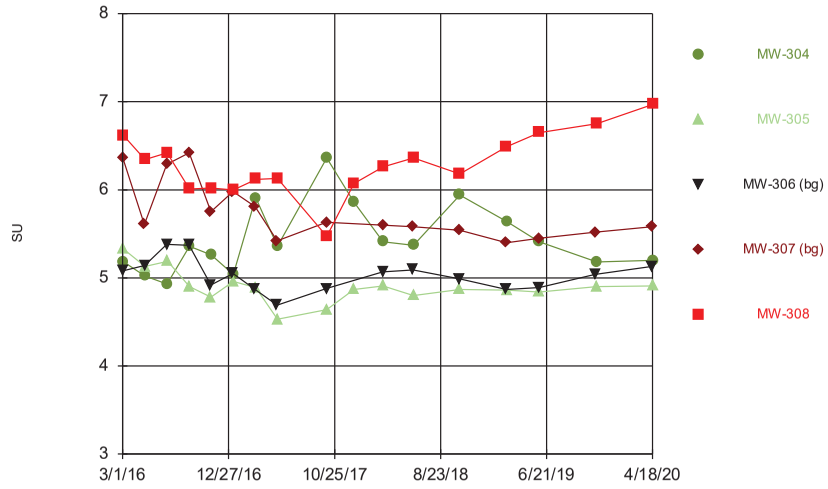
Time Series



Constituent: Field pH Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

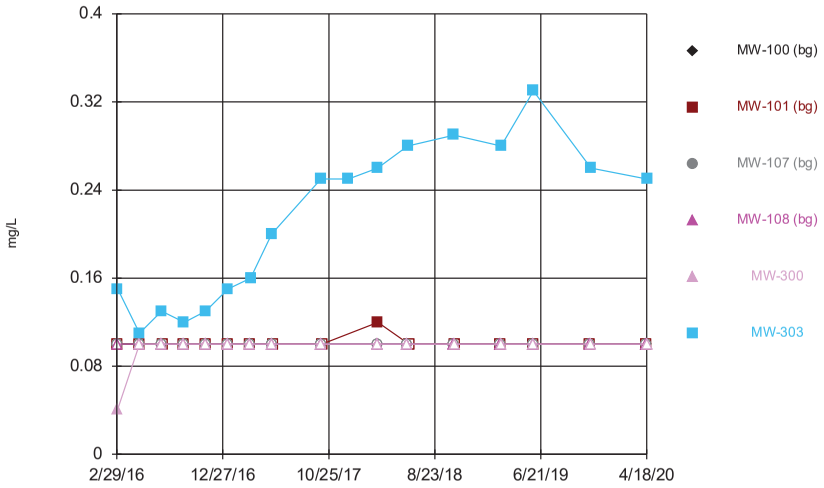
Time Series



Constituent: Field pH Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

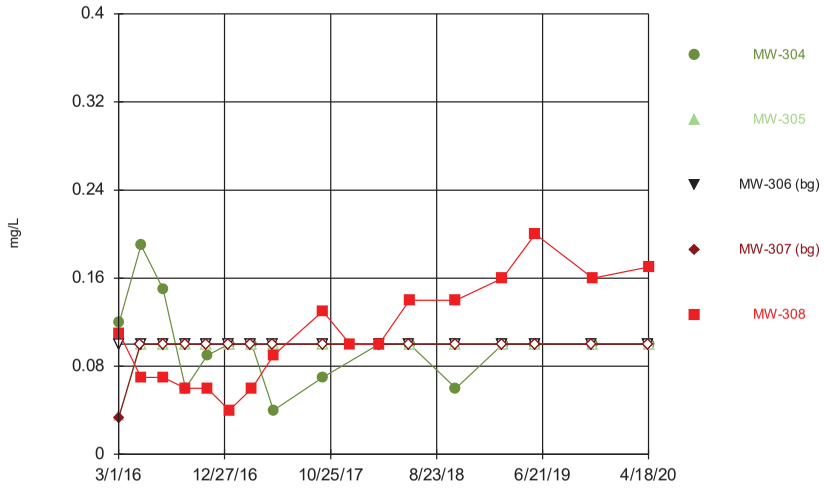
Time Series



Constituent: Fluoride Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

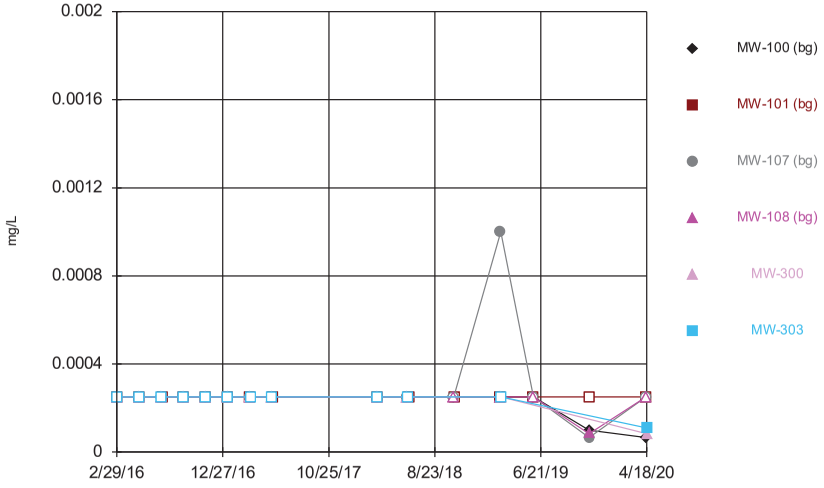
Time Series



Constituent: Fluoride Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

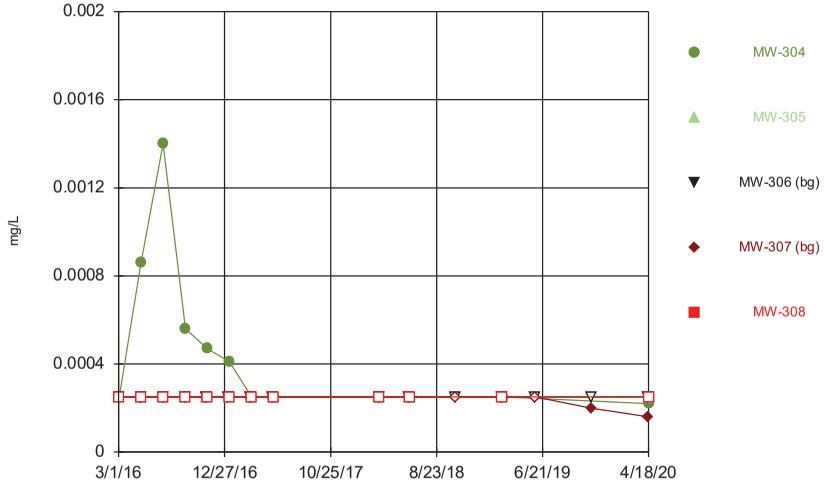
Time Series



Constituent: Lead Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

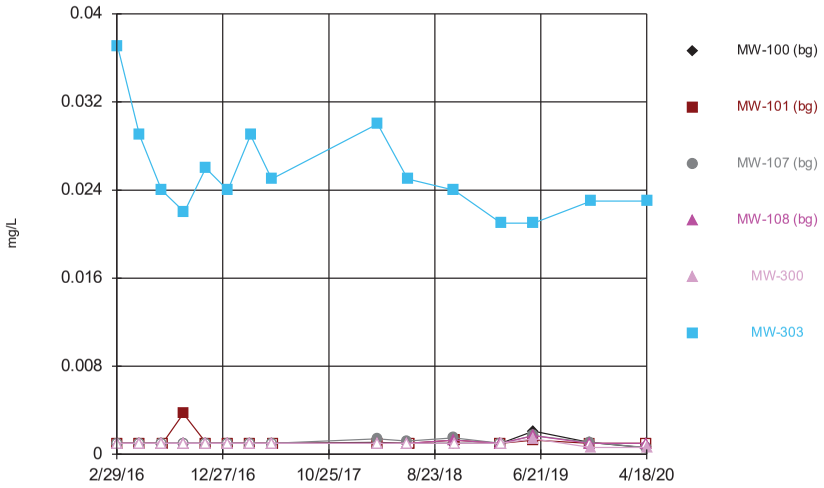
Time Series



Constituent: Lead Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

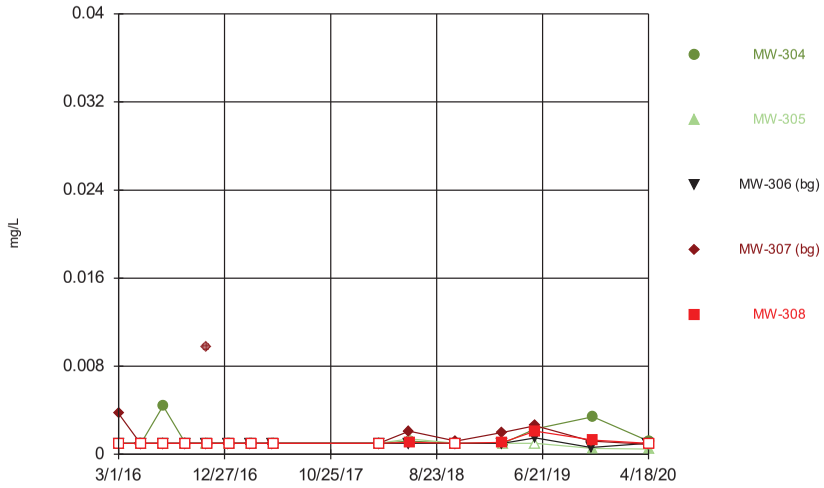
Time Series



Constituent: Lithium Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

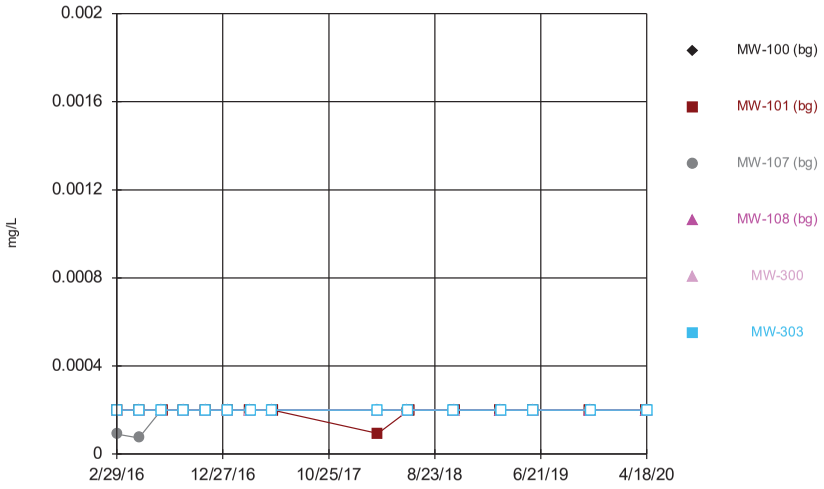
Time Series



Constituent: Lithium Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

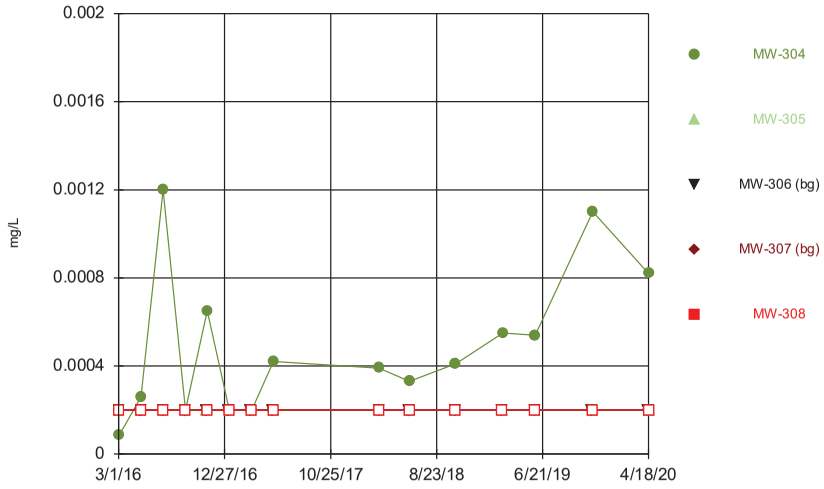
Time Series



Constituent: Mercury Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

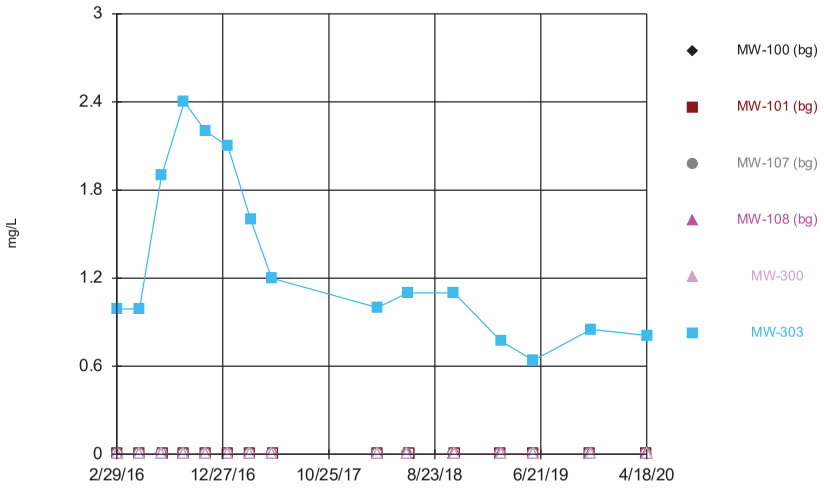
Time Series



Constituent: Mercury Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

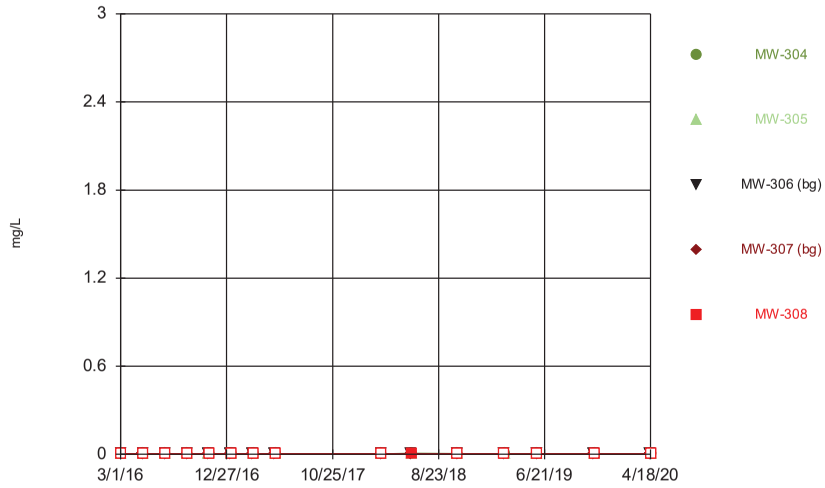
Time Series



Constituent: Molybdenum Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

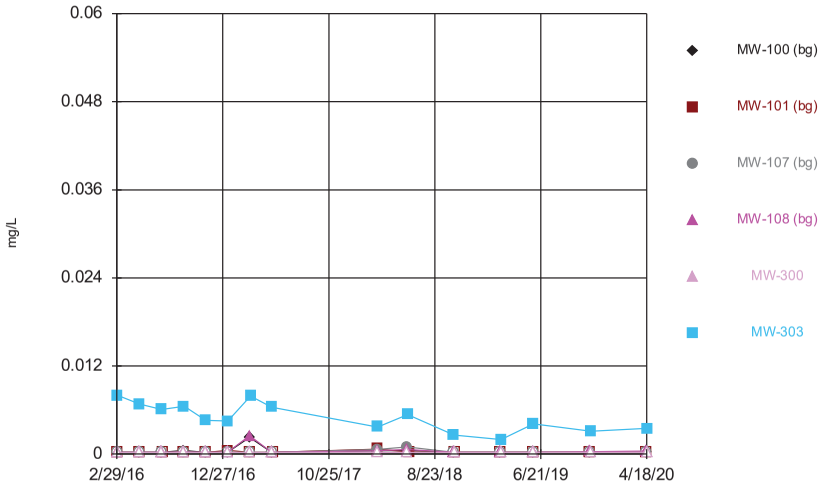
Time Series



Constituent: Molybdenum Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

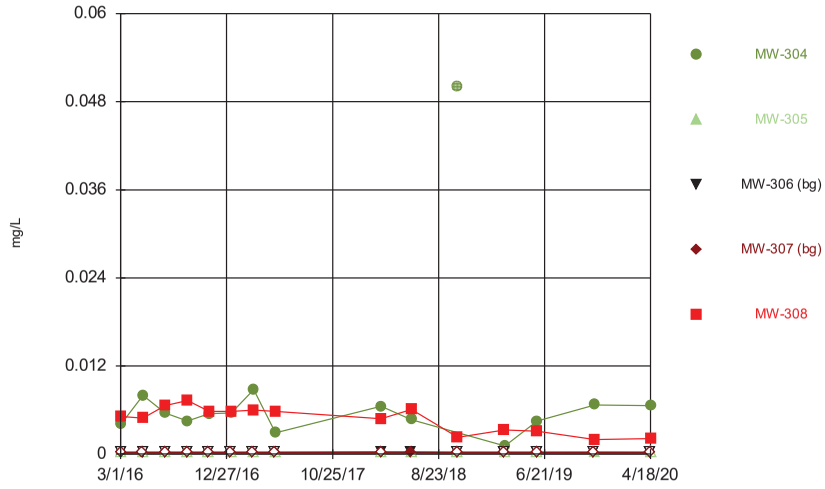
Time Series



Constituent: Selenium Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

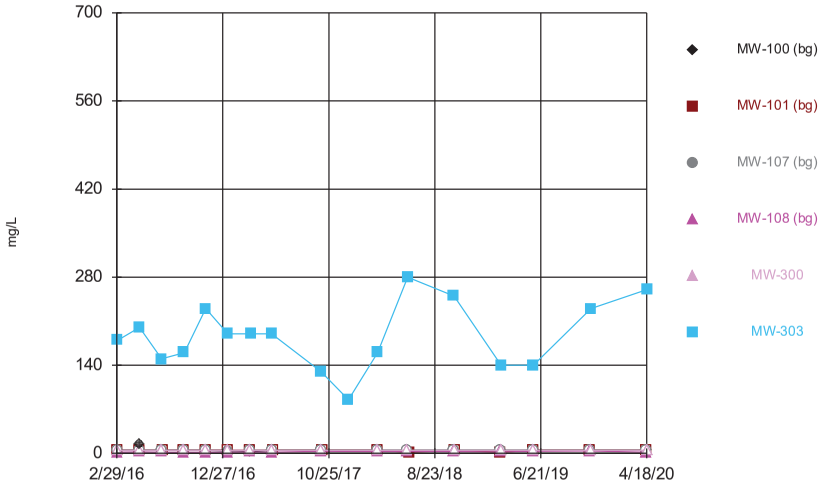
Time Series



Constituent: Selenium Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

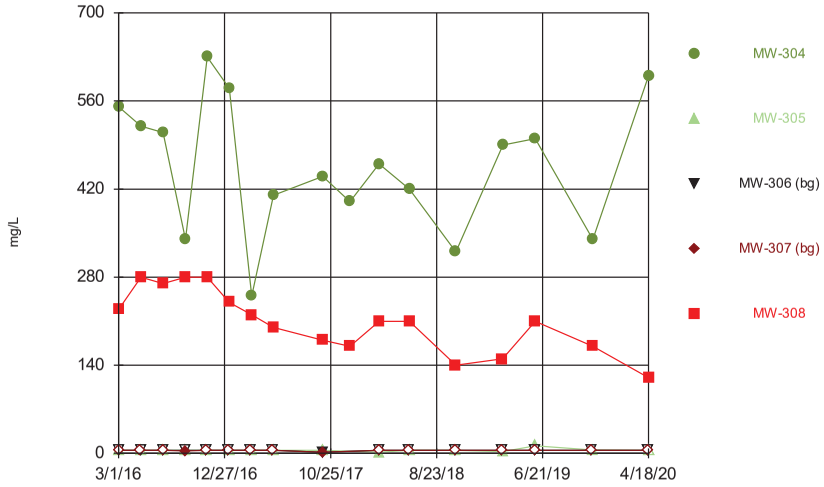
Time Series



Constituent: Sulfate Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

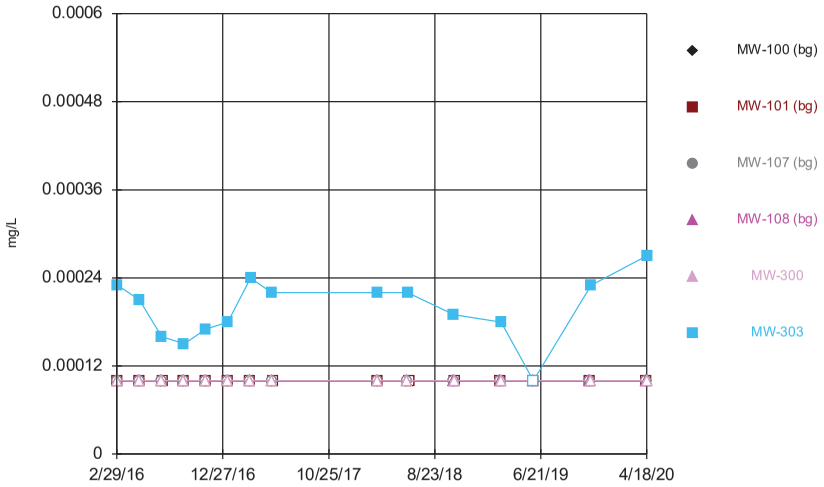
Time Series



Constituent: Sulfate Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

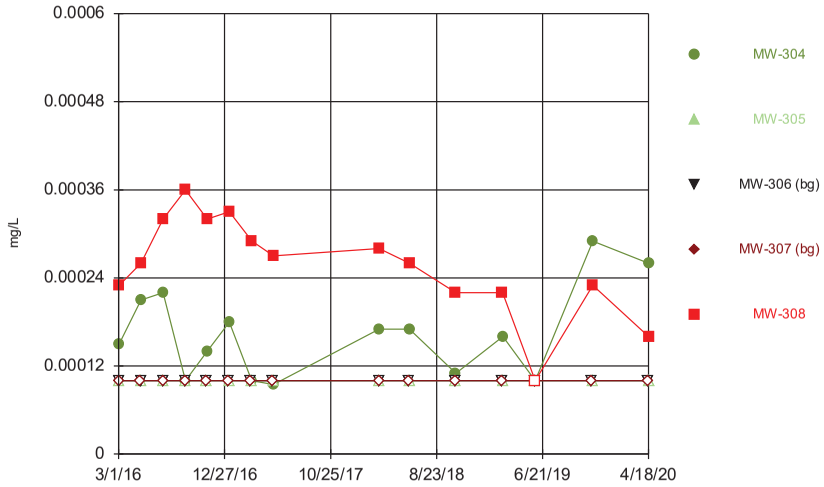
Time Series



Constituent: Thallium Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

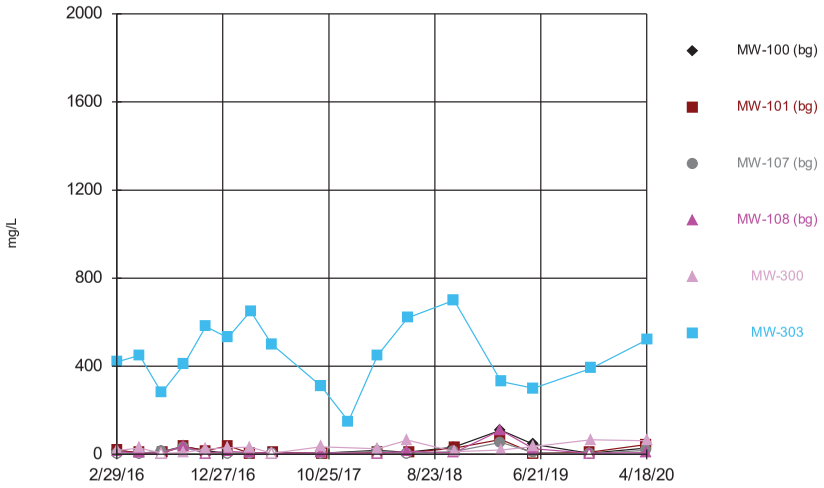
Time Series



Constituent: Thallium Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

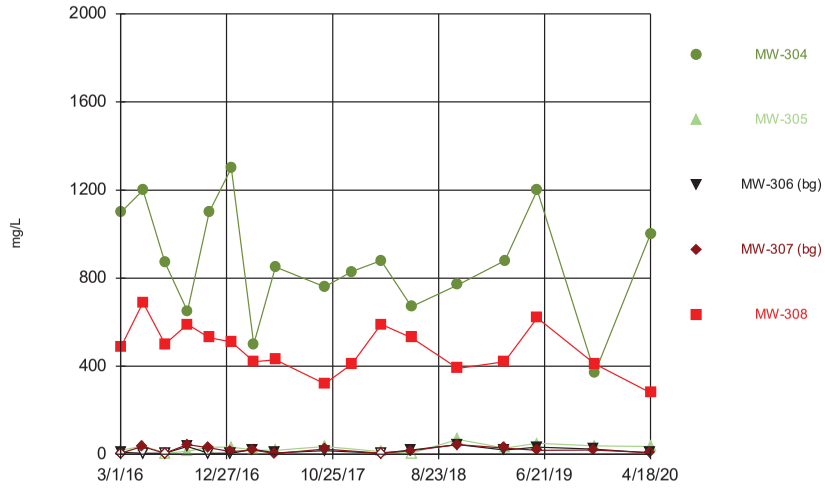
Time Series



Constituent: Total Dissolved Solids Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Total Dissolved Solids Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.0025	<0.0025	<0.0025	<0.0025		
3/3/2016					<0.0025	<0.0025
5/2/2016	<0.0025		<0.0025	<0.0025		
5/4/2016		<0.0025			<0.0025	<0.0025
7/5/2016	<0.0025		<0.0025	<0.0025		
7/6/2016						<0.0025
7/7/2016					<0.0025	
7/8/2016		<0.0025				
9/6/2016	<0.0025	<0.0025	<0.0025	<0.0025		
9/7/2016					<0.0025	
9/8/2016						<0.0025
11/7/2016	<0.0025		<0.0025	<0.0025		
11/8/2016					<0.0025	<0.0025
11/10/2016		<0.0025				
1/9/2017	<0.0025		<0.0025	<0.0025		
1/10/2017					<0.0025	<0.0025
1/11/2017		<0.0025				
3/13/2017	<0.0025		<0.0025	<0.0025		
3/14/2017		<0.0025				
3/15/2017					<0.0025	
3/16/2017						<0.0025
5/15/2017	<0.0025		<0.0025	<0.0025		<0.0025
5/16/2017					<0.0025	
5/18/2017		<0.0025				
3/12/2018	<0.0025		<0.0025	<0.0025		
3/13/2018					<0.0025	<0.0025
3/14/2018		<0.0025				
6/5/2018	<0.0025		<0.0025	<0.0025		
6/6/2018					<0.0025	
6/7/2018						<0.0025
6/10/2018		<0.0025				
10/16/2018	<0.0025		<0.0025	<0.0025		
10/18/2018		<0.0025				
2/27/2019	<0.0025	<0.0025	<0.0025	<0.0025		
2/28/2019					<0.0025	<0.0025
4/16/2020	<0.0025	<0.0025	<0.0025	<0.0025		
4/18/2020					<0.0025	<0.0025

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.0025	<0.0025	
3/3/2016	<0.0025	<0.0025			<0.0025
5/2/2016				<0.0025	
5/3/2016			<0.0025		
5/4/2016	<0.0025	<0.0025			<0.0025
7/5/2016			<0.0025	<0.0025	
7/6/2016	<0.0025				<0.0025
7/7/2016		<0.0025			
9/6/2016			<0.0025	<0.0025	
9/7/2016	<0.0025	<0.0025			<0.0025
11/7/2016		<0.0025	<0.0025	<0.0025	
11/8/2016	<0.0025				<0.0025
1/9/2017			<0.0025	<0.0025	
1/10/2017	<0.0025	<0.0025			<0.0025
3/13/2017			<0.0025	<0.0025	
3/15/2017	<0.0025	<0.0025			
3/16/2017					<0.0025
5/15/2017			<0.0025	<0.0025	
5/16/2017	<0.0025	<0.0025			<0.0025
3/12/2018			<0.0025	<0.0025	
3/13/2018	<0.0025	<0.0025			<0.0025
6/6/2018			<0.0025	<0.0025	
6/7/2018	<0.0025	<0.0025			<0.0025
10/17/2018			<0.0025	<0.0025	
2/27/2019			<0.0025	<0.0025	<0.0025
2/28/2019	<0.0025	<0.0025			
4/16/2020			<0.0025	<0.0025	
4/18/2020	<0.0025	<0.0025			<0.0025

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.00025	<0.00025	<0.00025	<0.00025		
3/3/2016					<0.00025	0.0018 (J)
5/2/2016	<0.00025		<0.00025	<0.00025		
5/4/2016		<0.00025			<0.00025	0.0024
7/5/2016	<0.00025		<0.00025	<0.00025		
7/6/2016						0.0005 (J)
7/7/2016					<0.00025	
7/8/2016		<0.00025				
9/6/2016	<0.00025	<0.00025	<0.00025	<0.00025		
9/7/2016					<0.00025	
9/8/2016						<0.00025
11/7/2016	<0.00025		<0.00025	<0.00025		
11/8/2016					<0.00025	<0.00025
11/10/2016		<0.00025				
1/9/2017	<0.00025		<0.00025	<0.00025		
1/10/2017					<0.00025	<0.00025
1/11/2017		<0.00025				
3/13/2017	0.00069 (J)		<0.00025	0.00069 (J)		
3/14/2017		<0.00025				
3/15/2017					<0.00025	
3/16/2017						0.0015
5/15/2017	<0.00025		<0.00025	<0.00025		0.0012 (J)
5/16/2017					<0.00025	
5/18/2017		<0.00025				
3/12/2018	<0.00025		<0.00025	<0.00025		
3/13/2018					<0.00025	0.00082 (J)
3/14/2018		<0.00025				
6/5/2018	<0.00025		<0.00025	<0.00025		
6/6/2018					<0.00025	
6/7/2018						0.0007 (J)
6/10/2018		0.00046 (J)				
10/16/2018	<0.00025		<0.00025	<0.00025		
10/17/2018						<0.00025
10/18/2018		<0.00025			<0.00025	
2/27/2019	<0.00025	<0.00025	<0.00025	<0.00025		
2/28/2019					<0.00025	<0.00025
5/31/2019	<0.00025	<0.00025	<0.00025	<0.00025		
11/6/2019	0.0002 (J)	0.00019 (J)	0.0002 (J)	0.00012 (J)		
4/16/2020	<0.00025	<0.00025	<0.00025	<0.00025		
4/18/2020					<0.00025	<0.00025

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.00025	0.00038 (J)	
3/3/2016	0.009 (o)	<0.00025			<0.00025
5/2/2016				0.00073 (J)	
5/3/2016			<0.00025		
5/4/2016	0.019 (o)	<0.00025			<0.00025
7/5/2016			<0.00025	0.00077 (J)	
7/6/2016	0.014 (o)				<0.00025
7/7/2016		<0.00025			
9/6/2016			<0.00025	0.0013	
9/7/2016	0.005	<0.00025			<0.00025
11/7/2016		<0.00025	<0.00025	<0.00025	
11/8/2016	0.0035				<0.00025
1/9/2017			<0.00025	0.00053 (J)	
1/10/2017	0.0051	<0.00025			<0.00025
3/13/2017			<0.00025	<0.00025	
3/15/2017	0.00066 (J)	<0.00025			
3/16/2017					<0.00025
5/15/2017			<0.00025	<0.00025	
5/16/2017	0.00094 (J)	<0.00025			<0.00025
3/12/2018			<0.00025	<0.00025	
3/13/2018	0.00086 (J)	<0.00025			<0.00025
6/6/2018			<0.00025	<0.00025	
6/7/2018	0.00056 (J)	<0.00025			<0.00025
10/17/2018	0.0005 (J)	<0.00025	<0.00025	<0.00025	<0.00025
2/27/2019			<0.00025	<0.00025	<0.00025
2/28/2019	<0.00025	<0.00025			
5/31/2019			<0.00025	<0.00025	
11/6/2019			0.00014 (J)	0.00024 (J)	
4/16/2020			<0.00025	<0.00025	
4/18/2020	0.00053	0.00042			0.00046

Time Series

Constituent: Barium (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	0.014	0.0097 (J)	0.013	0.013		
3/3/2016					0.01 (J)	0.024
5/2/2016	0.013		0.013	0.01		
5/4/2016		0.0095			0.012	0.025
7/5/2016	0.013		0.013	0.0089		
7/6/2016						0.025
7/7/2016					0.012	
7/8/2016		0.0093				
9/6/2016	0.016	0.011	0.013	0.01		
9/7/2016					0.011	
9/8/2016						0.03
11/7/2016	0.014		0.013	0.0096		
11/8/2016					0.011	0.032
11/10/2016		0.0092				
1/9/2017	0.015		0.012	0.011		
1/10/2017					0.011	0.027
1/11/2017		0.0092				
3/13/2017	0.015		0.013	0.011		
3/14/2017		0.0095				
3/15/2017					0.013	
3/16/2017						0.04
5/15/2017	0.015		0.011	0.0089		0.028
5/16/2017					0.011	
5/18/2017		0.0095				
3/12/2018	0.017		0.013	0.01		
3/13/2018					0.011	0.034
3/14/2018		0.0089				
6/5/2018	0.018		0.014	0.011		
6/6/2018					0.012	
6/7/2018						0.053
6/10/2018		0.0092				
10/16/2018	0.017		0.011	0.011		
10/17/2018						0.048
10/18/2018		0.0089			0.01	
2/27/2019	0.021	0.011	0.014	0.011		
2/28/2019					0.012	0.032
5/31/2019	0.02	0.0088	0.013	0.01	0.011	0.029
11/6/2019	0.019	0.0094	0.012	0.0097		
11/11/2019					0.012	0.046
4/16/2020	0.02	0.0099	0.012	0.012		
4/18/2020					0.011	0.069

Time Series

Constituent: Barium (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			0.012	0.015	
3/3/2016	0.045	0.02			0.023
5/2/2016				0.013	
5/3/2016			0.012		
5/4/2016	0.035	0.017			0.029
7/5/2016			0.011	0.017	
7/6/2016	0.036				0.029
7/7/2016		0.018			
9/6/2016			0.012	0.017	
9/7/2016	0.026	0.017			0.029
11/7/2016		0.017	0.012	0.023	
11/8/2016	0.042				0.025
1/9/2017			0.013	0.016	
1/10/2017	0.041	0.016			0.022
3/13/2017			0.013	0.016	
3/15/2017	0.018	0.018			
3/16/2017					0.023
5/15/2017			0.012	0.015	
5/16/2017	0.026	0.016			0.02
3/12/2018			0.013	0.015	
3/13/2018	0.057	0.016			0.031
6/6/2018			0.014	0.017	
6/7/2018	0.04	0.016			0.026
10/17/2018	0.021	0.016	0.012	0.016	0.017
2/27/2019			0.015	0.018	0.024
2/28/2019	0.039	0.02			
5/31/2019	0.044	0.036	0.014	0.016	0.031
11/6/2019			0.013	0.017	
11/11/2019	0.027	0.026			0.02
4/16/2020			0.014	0.017	
4/18/2020	0.043	0.02			0.016

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.0005	<0.0005	<0.0005	<0.0005		
3/3/2016					<0.0005	<0.0005
5/2/2016	<0.0005		<0.0005	<0.0005		
5/4/2016		<0.0005			<0.0005	<0.0005
7/5/2016	<0.0005		<0.0005	<0.0005		
7/6/2016						<0.0005
7/7/2016					<0.0005	
7/8/2016		<0.0005				
9/6/2016	<0.0005	<0.0005	<0.0005	<0.0005		
9/7/2016					<0.0005	
9/8/2016						<0.0005
11/7/2016	<0.0005		<0.0005	<0.0005		
11/8/2016					<0.0005	<0.0005
11/10/2016		<0.0005				
1/9/2017	<0.0005		<0.0005	<0.0005		
1/10/2017					<0.0005	<0.0005
1/11/2017		<0.0005				
3/13/2017	<0.0005		<0.0005	<0.0005		
3/14/2017		<0.0005				
3/15/2017					<0.0005	
3/16/2017						<0.0005
5/15/2017	<0.0005		<0.0005	<0.0005		<0.0005
5/16/2017					<0.0005	
5/18/2017		<0.0005				
3/12/2018	<0.0005		<0.0005	<0.0005		
3/13/2018					<0.0005	<0.0005
3/14/2018		<0.0005				
6/5/2018	<0.0005		<0.0005	<0.0005		
6/6/2018					<0.0005	
6/7/2018						<0.0005
6/10/2018		<0.0005				
10/16/2018	<0.0005		<0.0005	<0.0005		
10/18/2018		<0.0005				
2/27/2019	<0.0005	<0.0005	<0.0005	<0.0005		
2/28/2019					<0.0005	<0.0005
5/31/2019	<0.0005	<0.0005	<0.0005	<0.0005		
11/6/2019	9E-05 (J)	4.7E-05 (J)	6.6E-05 (J)	<0.0005		
4/16/2020	5.4E-05 (J)	4.3E-05 (J)	6.1E-05 (J)	<0.0005		
4/18/2020					<0.0005	7.4E-05 (J)

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.0005	<0.0005	
3/3/2016	<0.0005	<0.0005			<0.0005
5/2/2016				<0.0005	
5/3/2016			<0.0005		
5/4/2016	<0.0005	<0.0005			<0.0005
7/5/2016			<0.0005	<0.0005	
7/6/2016	<0.0005				<0.0005
7/7/2016		<0.0005			
9/6/2016			<0.0005	<0.0005	
9/7/2016	<0.0005	<0.0005			<0.0005
11/7/2016		<0.0005	<0.0005	<0.0005	
11/8/2016	<0.0005				<0.0005
1/9/2017			<0.0005	<0.0005	
1/10/2017	<0.0005	<0.0005			<0.0005
3/13/2017			<0.0005	<0.0005	
3/15/2017	<0.0005	<0.0005			
3/16/2017					<0.0005
5/15/2017			<0.0005	<0.0005	
5/16/2017	<0.0005	<0.0005			<0.0005
3/12/2018			<0.0005	<0.0005	
3/13/2018	<0.0005	<0.0005			<0.0005
6/6/2018			<0.0005	<0.0005	
6/7/2018	<0.0005	<0.0005			<0.0005
10/17/2018			<0.0005	<0.0005	
2/27/2019			<0.0005	<0.0005	<0.0005
2/28/2019	<0.0005	<0.0005			
5/31/2019			<0.0005	<0.0005	
11/6/2019			<0.0005	<0.0005	
4/16/2020			<0.0005	<0.0005	
4/18/2020	<0.0005	<0.0005			<0.0005

Time Series

Constituent: Boron (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.05	<0.05	<0.05	<0.05		
3/3/2016					0.11 (J)	3.2
5/2/2016	<0.05		<0.05	<0.05		
5/4/2016		<0.05			<0.05	4
7/5/2016	<0.05		<0.05	<0.05		
7/6/2016						2.6
7/7/2016					<0.05	
7/8/2016		<0.05				
9/6/2016	<0.05	<0.05	<0.05	<0.05		
9/7/2016					0.028 (J)	
9/8/2016						3.6
11/7/2016	<0.05		<0.05	<0.05		
11/8/2016					0.025 (J)	5
11/10/2016		<0.05				
1/9/2017	<0.05		<0.05	<0.05		
1/10/2017					<0.05	4.2
1/11/2017		<0.05				
3/13/2017	<0.05		<0.05	0.022 (J)		
3/14/2017		<0.05				
3/15/2017					<0.05	
3/16/2017						3.5
5/15/2017	<0.05		<0.05	<0.05		3.2
5/16/2017					<0.05	
5/18/2017		<0.05				
10/2/2017	<0.05		<0.05	0.023 (J)		
10/3/2017					0.03 (J)	2.9
10/5/2017		<0.05				
12/20/2017						2
3/12/2018	<0.05		<0.05	<0.05		
3/13/2018					<0.05	3.4
3/14/2018		<0.05				
6/5/2018	<0.05		<0.05	<0.05		
6/6/2018					0.024 (J)	
6/7/2018						5.6
6/10/2018		<0.05				
10/16/2018	<0.05		<0.05	<0.05		
10/17/2018						7.3
10/18/2018		0.081			0.022 (J)	
2/27/2019	<0.05	<0.05	<0.05	<0.05		
2/28/2019					<0.05	3.1
5/31/2019	<0.05	<0.05	<0.05	<0.05	<0.05	2.7
11/6/2019	0.017 (V)	0.016 (V)	0.016 (V)	0.022 (V)		
11/11/2019					0.035 (V)	9.7
4/16/2020	0.02	0.013	0.013	0.017		
4/18/2020					0.027	5.7

Time Series

Constituent: Boron (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.05	<0.05	
3/3/2016	1.6	<0.05			2.6
5/2/2016				<0.05	
5/3/2016			<0.05		
5/4/2016	2.3	<0.05			5.9
7/5/2016			<0.05	<0.05	
7/6/2016	1.9				4.9
7/7/2016		0.034 (J)			
9/6/2016			<0.05	<0.05	
9/7/2016	0.95	<0.05			6.4
11/7/2016		0.045 (J)	<0.05	<0.05	
11/8/2016	1.8				6
1/9/2017			<0.05	<0.05	
1/10/2017	1.9	<0.05			5.4
3/13/2017			<0.05	<0.05	
3/15/2017	0.38	<0.05			
3/16/2017					4.5
5/15/2017			<0.05	<0.05	
5/16/2017	2	0.043 (J)			3.9
10/2/2017			<0.05	<0.05	
10/3/2017	0.67	0.026 (J)			0.93
12/20/2017	3				3
3/12/2018			<0.05	<0.05	
3/13/2018	2.9	0.07			3.6
6/6/2018			<0.05	<0.05	
6/7/2018	2.9	0.1			3.4
10/17/2018	1.6	0.074	<0.05	<0.05	2.8
2/27/2019			<0.05	<0.05	2.8
2/28/2019	2.5	0.027 (J)			
5/31/2019	3.1	<0.05	<0.05	<0.05	4.4
11/6/2019			0.011 (V)	0.0099 (J)	
11/11/2019	10	0.036 (V)			16
4/16/2020			0.0075 (J)	0.0055 (J)	
4/18/2020	2.8	0.016			3

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.0005	<0.0005	<0.0005	<0.0005		
3/3/2016					<0.0005	<0.0005
5/2/2016	<0.0005		<0.0005	<0.0005		
5/4/2016		<0.0005			<0.0005	<0.0005
7/5/2016	<0.0005		<0.0005	<0.0005		
7/6/2016						0.00036 (J)
7/7/2016					<0.0005	
7/8/2016		<0.0005				
9/6/2016	<0.0005	<0.0005	<0.0005	<0.0005		
9/7/2016					<0.0005	
9/8/2016						0.00045 (J)
11/7/2016	<0.0005		<0.0005	<0.0005		
11/8/2016					<0.0005	0.00065 (J)
11/10/2016		<0.0005				
1/9/2017	<0.0005		<0.0005	<0.0005		
1/10/2017					<0.0005	0.00051 (J)
1/11/2017		<0.0005				
3/13/2017	<0.0005		<0.0005	<0.0005		
3/14/2017		<0.0005				
3/15/2017					<0.0005	
3/16/2017						0.00049 (J)
5/15/2017	<0.0005		<0.0005	<0.0005		0.00045 (J)
5/16/2017					<0.0005	
5/18/2017		<0.0005				
3/12/2018	<0.0005		<0.0005	<0.0005		
3/13/2018					<0.0005	0.00041 (J)
3/14/2018		<0.0005				
6/5/2018	<0.0005		<0.0005	<0.0005		
6/6/2018					<0.0005	
6/7/2018						0.00066 (J)
6/10/2018		<0.0005				
10/16/2018	<0.0005		<0.0005	<0.0005		
10/17/2018						0.00072 (J)
10/18/2018		<0.0005			<0.0005	
2/27/2019	<0.0005	<0.0005	<0.0005	<0.0005		
2/28/2019					<0.0005	0.00039 (J)
5/31/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00034 (J)
11/6/2019	<0.0005	<0.0005	<0.0005	<0.0005		
11/11/2019					<0.0005	<0.0005
4/16/2020	<0.0005	<0.0005	<0.0005	<0.0005		
4/18/2020					7.5E-05 (J)	0.00024 (J)

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.0005	<0.0005	
3/3/2016	<0.0005	<0.0005			<0.0005
5/2/2016				<0.0005	
5/3/2016			<0.0005		
5/4/2016	<0.0005	<0.0005			<0.0005
7/5/2016			<0.0005	<0.0005	
7/6/2016	<0.0005				<0.0005
7/7/2016		<0.0005			
9/6/2016			<0.0005	<0.0005	
9/7/2016	<0.0005	<0.0005			<0.0005
11/7/2016		<0.0005	<0.0005	<0.0005	
11/8/2016	<0.0005				<0.0005
1/9/2017			<0.0005	<0.0005	
1/10/2017	<0.0005	<0.0005			<0.0005
3/13/2017			<0.0005	<0.0005	
3/15/2017	<0.0005	<0.0005			
3/16/2017					<0.0005
5/15/2017			<0.0005	<0.0005	
5/16/2017	<0.0005	<0.0005			<0.0005
3/12/2018			<0.0005	<0.0005	
3/13/2018	<0.0005	<0.0005			<0.0005
6/6/2018			<0.0005	<0.0005	
6/7/2018	<0.0005	<0.0005			<0.0005
10/17/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/27/2019			<0.0005	<0.0005	<0.0005
2/28/2019	<0.0005	<0.0005			
5/31/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
11/6/2019			<0.0005	<0.0005	
11/11/2019	0.001 (J)	<0.0005			<0.0005
4/16/2020			<0.0005	<0.0005	
4/18/2020	0.00073	7.6E-05 (J)			8.9E-05 (J)

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	1	1 (J)	0.67	1.4		
3/3/2016					1 (J)	57
5/2/2016	0.78		0.58	1.1		
5/4/2016		0.62			1	60
7/5/2016	0.65		0.43	0.94		
7/6/2016						54
7/7/2016					0.62	
7/8/2016		0.4				
9/6/2016	0.7	0.45	0.48	1		
9/7/2016					0.6	
9/8/2016						68
11/7/2016	0.8		0.56	1.2		
11/8/2016					0.53	84
11/10/2016		0.44				
1/9/2017	0.74		0.43	1.2		
1/10/2017					0.51	64
1/11/2017		0.42				
3/13/2017	0.78		0.48	1.3		
3/14/2017		0.42				
3/15/2017					0.53	
3/16/2017						78
5/15/2017	0.76		0.37	1		63
5/16/2017					0.48	
5/18/2017		0.38				
10/2/2017	0.78		0.47	1.2		
10/3/2017					0.46	43
10/5/2017		0.39				
12/20/2017						44
3/12/2018	0.88		0.49	1.4		
3/13/2018					0.46	68
3/14/2018		0.49				
6/5/2018	0.9		0.49	1.2		
6/6/2018					0.45	
6/7/2018						89
6/10/2018		0.39				
10/16/2018	0.86		0.42	1.4		
10/17/2018						93
10/18/2018		0.41			0.48	
2/27/2019	0.96	0.44	0.56	1.3		
2/28/2019					0.44	48
5/31/2019	0.76	0.28	0.33	1.1	0.55	47
11/6/2019	0.88	0.46	0.49	1.2		
11/11/2019					0.56 (V)	73
4/16/2020	0.84	0.38	0.36	1.3		
4/18/2020					0.48	93

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			0.6	1.5	
3/3/2016	160	2.5			84
5/2/2016				0.83	
5/3/2016			0.55		
5/4/2016	140	1.1			90
7/5/2016			0.53	1.6	
7/6/2016	120				72
7/7/2016		0.71			
9/6/2016			0.5	1.6	
9/7/2016	94	0.78			75
11/7/2016		0.82	0.68	1.5	
11/8/2016	160				79
1/9/2017			0.56	0.98	
1/10/2017	150	0.58			61
3/13/2017			0.62	0.75	
3/15/2017	78	0.69			
3/16/2017					62
5/15/2017			0.58	0.83	
5/16/2017	120	0.66			64
10/2/2017			0.62	0.83	
10/3/2017	160	0.68			59
12/20/2017	120				65
3/12/2018			0.59	0.71	
3/13/2018	110	0.65			77
6/6/2018			0.59	0.68	
6/7/2018	97	0.6			78
10/17/2018	130	0.73	0.54	0.66	60
2/27/2019			0.63	0.7	65
2/28/2019	120	0.84			
5/31/2019	110	2.6	0.45	0.52	84
11/6/2019			0.55	0.74	
11/11/2019	82	1.6 (V)			63
4/16/2020			0.53	0.59	
4/18/2020	150	0.9			48

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	5.3	5.4	8.1	7.4		
3/3/2016					8.2	36
5/2/2016	4.4		6	6.3		
5/4/2016		4.5			8.2	47
7/5/2016	4.2		5.2	4.8		
7/6/2016						28
7/7/2016					8.3	
7/8/2016		4.9				
9/6/2016	4.3	4.3	5.5	6		
9/7/2016					8.1	
9/8/2016						47
11/7/2016	4.2		5.4	5.7		
11/8/2016					8.5	150
11/10/2016		4.5				
1/9/2017	5.3		6.1	6.8		
1/10/2017					9.1	110
1/11/2017		5.3				
3/13/2017	5.2		5.5	6.8		
3/14/2017		5.5				
3/15/2017					48	
3/16/2017						200
5/15/2017	4.8		4.7	6.1		120
5/16/2017					8.9	
5/18/2017		5				
10/2/2017	5.5		6.1	6		
10/3/2017					8.9	38
10/5/2017		5.6				
12/20/2017					8.8	22
3/12/2018	5.3		6.1	5.9		
3/13/2018					8.3	82
3/14/2018		5.2				
6/5/2018	5.3		5.5	6.5		
6/6/2018					8	
6/7/2018						170
6/10/2018		5.2				
10/16/2018	5.5		5.1	5.9		
10/17/2018						110
10/18/2018		5.2			8.1	
2/27/2019	4.6	5.1	5	4.3		
2/28/2019					9.1	49
5/31/2019	5.1	5	5.4	4.5	8.2	50
11/6/2019	5.8	6	6.1	5.7		
11/11/2019					8.4	63
4/16/2020	6.1	5.8	5.3	5.6		
4/18/2020					8.7	96

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			5.6	4	
3/3/2016	110	7.9			43
5/2/2016				3.6	
5/3/2016			5.1		
5/4/2016	120	7			63
7/5/2016			4.7	3.6	
7/6/2016	130				51
7/7/2016		7.1			
9/6/2016			4.4	4	
9/7/2016	43	6.9			57
11/7/2016		8	4.6	4.4	
11/8/2016	98				47
1/9/2017			5.3	4.4	
1/10/2017	150	<7.4			45
3/13/2017			5.6	4.1	
3/15/2017	65	8.1			
3/16/2017					40
5/15/2017			5.2	3.7	
5/16/2017	120	7.8			39
10/2/2017			5.5	4.8	
10/3/2017	21	7.1			20
12/20/2017	79	7.6			63
3/12/2018			5.6	4	
3/13/2018	84	6.9			130
6/6/2018			5.6	4.1	
6/7/2018	86	7.3			120
10/17/2018	45	6.8	5.5	3.7	70
2/27/2019			5.1	4	94
2/28/2019	110	7.1			
5/31/2019	130	9.8	5.4	3.7	110
11/6/2019			5.9	4.7	
11/11/2019	81	12			62
4/16/2020			6.2	4.9	
4/18/2020	140	8.2			33

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.0005	<0.0005	<0.0005	<0.0005		
3/3/2016					<0.0005	<0.0005
5/2/2016	0.0029		0.0019 (J)	0.0034		
5/4/2016		<0.0005			0.0037	<0.0005
7/5/2016	<0.0005		0.0051	0.0059		
7/6/2016						<0.0005
7/7/2016					<0.0005	
7/8/2016		<0.0005				
9/6/2016	<0.0005	<0.0005	<0.0005	<0.0005		
9/7/2016					<0.0005	
9/8/2016						<0.0005
11/7/2016	<0.0005		<0.0005	<0.0005		
11/8/2016					<0.0005	<0.0005
11/10/2016		<0.0005				
1/9/2017	<0.0005		0.017 (o)	<0.0005		
1/10/2017					<0.0005	<0.0005
1/11/2017		<0.0005				
3/13/2017	<0.0005		<0.0005	<0.0005		
3/14/2017		<0.0005				
3/15/2017					<0.0005	
3/16/2017						<0.0005
5/15/2017	<0.0005		<0.0005	<0.0005		<0.0005
5/16/2017					<0.0005	
5/18/2017		<0.0005				
3/12/2018	<0.0005		<0.0005	<0.0005		
3/13/2018					<0.0005	<0.0005
3/14/2018		<0.0005				
6/5/2018	<0.0005		<0.0005	<0.0005		
6/6/2018					<0.0005	
6/7/2018						<0.0005
6/10/2018		<0.0005				
10/16/2018	<0.0005		<0.0005	<0.0005		
10/18/2018		<0.0005				
2/27/2019	<0.0005	<0.0005	<0.0005	<0.0005		
2/28/2019					<0.0005	<0.0005
5/31/2019	<0.0005	<0.0005	<0.0005	<0.0005		
11/6/2019	<0.0005	<0.0005	<0.0005	<0.0005		
4/16/2020	<0.0005	<0.0005	<0.0005	<0.0005		
4/18/2020					<0.0005	<0.0005

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.0005	0.00056 (J)	
3/3/2016	<0.0005	<0.0005			<0.0005
5/2/2016				0.0021 (J)	
5/3/2016			0.0012 (J)		
5/4/2016	0.0012 (J)	0.0025			<0.0005
7/5/2016			<0.0005	<0.0005	
7/6/2016	<0.0005				<0.0005
7/7/2016		<0.0005			
9/6/2016			<0.0005	<0.0005	
9/7/2016	<0.0005	<0.0005			<0.0005
11/7/2016		<0.0005	<0.0005	<0.0005	
11/8/2016	<0.0005				<0.0005
1/9/2017			<0.0005	<0.0005	
1/10/2017	<0.0005	<0.0005			<0.0005
3/13/2017			<0.0005	<0.0005	
3/15/2017	<0.0005	<0.0005			
3/16/2017					<0.0005
5/15/2017			<0.0005	<0.0005	
5/16/2017	<0.0005	<0.0005			<0.0005
3/12/2018			<0.0005	<0.0005	
3/13/2018	<0.0005	<0.0005			<0.0005
6/6/2018			<0.0005	<0.0005	
6/7/2018	<0.0005	<0.0005			<0.0005
10/17/2018			<0.0005	<0.0005	
2/27/2019			<0.0005	<0.0005	<0.0005
2/28/2019	<0.0005	<0.0005			
5/31/2019			<0.0005	<0.0005	
11/6/2019			<0.0005	<0.0005	
4/16/2020			<0.0005	<0.0005	
4/18/2020	<0.0005	<0.0005			0.00082

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	0.00039 (J)	<0.0005	0.00064 (J)	0.00023 (J)		
3/3/2016					<0.0005	<0.0005
5/2/2016	0.0013 (J)		0.0014 (J)	0.00092 (J)		
5/4/2016		<0.0005			0.00093 (J)	0.0007 (J)
7/5/2016	0.00049 (J)		0.0027	0.0032		
7/6/2016						<0.0005
7/7/2016					<0.0005	
7/8/2016		<0.0005				
9/6/2016	0.00062 (J)	0.00042 (J)	0.00062 (J)	<0.0005		
9/7/2016					<0.0005	
9/8/2016						<0.0005
11/7/2016	0.00049 (J)		0.00058 (J)	<0.0005		
11/8/2016					<0.0005	0.00051 (J)
11/10/2016		<0.0005				
1/9/2017	0.00045 (J)		0.00059 (J)	<0.0005		
1/10/2017					<0.0005	<0.0005
1/11/2017		<0.0005				
3/13/2017	0.00048 (J)		0.0005 (J)	<0.0005		
3/14/2017		<0.0005				
3/15/2017					<0.0005	
3/16/2017						0.0004 (J)
5/15/2017	0.00052 (J)		0.00046 (J)	<0.0005		0.00079 (J)
5/16/2017					<0.0005	
5/18/2017		<0.0005				
3/12/2018	0.00055 (J)		0.00055 (J)	<0.0005		
3/13/2018					<0.0005	0.00056 (J)
3/14/2018		<0.0005				
6/5/2018	0.00051 (J)		0.00052 (J)	<0.0005		
6/6/2018					<0.0005	
6/7/2018						0.0007 (J)
6/10/2018		<0.0005				
10/16/2018	0.00058 (J)		0.00045 (J)	<0.0005		
10/17/2018						<0.0005
10/18/2018		<0.0005			<0.0005	
2/27/2019	0.00065 (J)	<0.0005	0.00056 (J)	<0.0005		
2/28/2019					<0.0005	0.00059 (J)
5/31/2019	0.00046 (J)	<0.0005	<0.0005	<0.0005	<0.0005	0.00073 (J)
11/6/2019	0.00056 (J)	0.00033 (J)	0.00048 (J)	0.00019 (J)		
11/11/2019					0.00023 (J)	0.00065 (J)
4/16/2020	0.00058	0.00035 (J)	0.00043 (J)	0.00021 (J)		
4/18/2020					0.00024 (J)	0.00044 (J)

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			0.00064 (J)	0.00071 (J)	
3/3/2016	0.19 (o)	0.00085 (J)			0.00063 (J)
5/2/2016				0.001 (J)	
5/3/2016			0.00079 (J)		
5/4/2016	0.16 (o)	0.001 (J)			0.00056 (J)
7/5/2016			<0.0005	0.00055 (J)	
7/6/2016	0.15 (o)				<0.0005
7/7/2016		0.00044 (J)			
9/6/2016			0.00094 (J)	0.00057 (J)	
9/7/2016	0.019	0.00052 (J)			<0.0005
11/7/2016		0.00046 (J)	0.00041 (J)	0.00047 (J)	
11/8/2016	0.099 (o)				<0.0005
1/9/2017			0.00074 (J)	0.00054 (J)	
1/10/2017	0.077 (o)	0.00042 (J)			<0.0005
3/13/2017			0.00091 (J)	0.0004 (J)	
3/15/2017	0.0042	0.00044 (J)			
3/16/2017					<0.0005
5/15/2017			0.00075 (J)	0.00046 (J)	
5/16/2017	0.0067	<0.0005			<0.0005
3/12/2018			0.00044 (J)	<0.0005	
3/13/2018	0.015	<0.0005			<0.0005
6/6/2018			0.0004 (J)	0.00048 (J)	
6/7/2018	0.014	<0.0005			<0.0005
10/17/2018	0.012	<0.0005	<0.0005	0.00043 (J)	<0.0005
2/27/2019			<0.0005	0.00045 (J)	<0.0005
2/28/2019	0.02	0.00042 (J)			
5/31/2019	0.026	0.00046 (J)	<0.0005	<0.0005	<0.0005
11/6/2019			0.00029 (J)	0.00094 (J)	
11/11/2019	0.023	0.00063 (J)			<0.0005
4/16/2020			0.00029 (J)	0.00053	
4/18/2020	0.015	0.00045 (J)			<0.0005

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	1.27	1.09	1.42	2.4		
3/3/2016					4.62	5.43
5/2/2016	0.808		1.03	1.62		
5/4/2016		0.848			5.36	5.52
7/5/2016	0.947		0.961	1.01		
7/6/2016						12.9
7/7/2016					6.27	
7/8/2016		1.46				
9/6/2016	1.07	1.34	1.07	1.8		
9/7/2016					5.25	
9/8/2016						3.73
11/7/2016	0.602		0.818	1.86		
11/8/2016					5.64	5.61
11/10/2016		1.23				
1/9/2017	0.865		0.934	2.25		
1/10/2017					5.39	4.33
1/11/2017		1.11				
3/13/2017	0.693		0.937	1.87		
3/14/2017		1.01				
3/15/2017					5.72	
3/16/2017						6.34
5/15/2017	0.786		0.685	1.4		5.77
5/16/2017					4.84	
5/18/2017		0.745				
3/12/2018	0.933		1.09	1.97		
3/13/2018					5.59	5.94
3/14/2018		0.614				
6/5/2018	0.713		0.927	2.17		
6/6/2018					3.96	
6/7/2018						5.79
6/10/2018		0.959				
10/16/2018	2.14		1.07	2.2		
10/17/2018						6.31
10/18/2018		0.944			5.75	
2/27/2019	0.651	0.827	0.912	1.8		
2/28/2019					4.82	5.4
5/31/2019	1.33	0.99	1.24	1.8	4.06	4.37
11/6/2019	1.32	0.892	0.509 (U)	2.32		
11/11/2019					5.43	5.71
4/16/2020	0.971	0.497	0.568	1.35		
4/18/2020					5.09	6.89

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			0.647	<5	
3/3/2016	9.46	1.67			2.29
5/2/2016				<5	
5/3/2016			0.748		
5/4/2016	9.66	1.18			2.58
7/5/2016			0.591	<5	
7/6/2016	2.84				3.08
7/7/2016		1.24			
9/6/2016			0.831	0.566	
9/7/2016	4.49	1.49			3.04
11/7/2016		1.32	0.983	0.784	
11/8/2016	7.47				2.96
1/9/2017			0.767	0.541	
1/10/2017	9.6	2.16			3.5
3/13/2017			1.26	0.442	
3/15/2017	2.22	1.14			
3/16/2017					2.9
5/15/2017			0.553	0.345	
5/16/2017	3.89	1.26			1.47
3/12/2018			0.783	0.848	
3/13/2018	5.25	1.29			2.96
6/6/2018			1.08	0.78	
6/7/2018	4.1	1.25			2.45
10/17/2018	3.15	1.24	1.19	0.88	2.7
2/27/2019			0.741	0.431	2.61
2/28/2019	5.21	1.55			
5/31/2019	6.03	1.9	0.759	0.884	3.62
11/6/2019			0.105 (U)	0.366 (U)	
11/11/2019	5.15	1.58			2
4/16/2020			0.588	0.264 (U)	
4/18/2020	7.33	1.55			1.34

Time Series

Constituent: Field pH (SU) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	5.11	5.26	5.11	4.9		
3/3/2016					5.11	6.16
5/2/2016	4.76		4.77	4.69		
5/4/2016		5.1			5.13	6.3
7/5/2016	5.12		5.48	7.11 (o)		
7/6/2016						7.07
7/7/2016					4.96	
7/8/2016		4.96				
9/6/2016	5.11	5.43	5.12	5.19		
9/7/2016					4.88	
9/8/2016						6.72
11/7/2016	4.76		4.73	4.64		
11/8/2016					4.54	6.55
11/10/2016		4.89				
1/9/2017	4.99		5	4.94		
1/10/2017					4.83	6.72
1/11/2017		4.87				
3/13/2017	4.57		4.74	4.63		
3/14/2017		4.71				
3/15/2017					4.82	
3/16/2017						6.5
5/15/2017	4.6		4.63	4.52		6.15
5/16/2017					4.53	
5/18/2017		4.5				
10/2/2017	4.64		4.63	4.54		
10/3/2017					4.44	6.48
10/5/2017		4.63				
12/20/2017					4.63	6.99 (R)
3/12/2018	4.85		4.81	4.81		
3/13/2018					4.78	6.61
3/14/2018		5.14				
6/5/2018	4.92		5.04	4.9		
6/6/2018					4.67	
6/7/2018						6.48
6/10/2018		5.12				
10/16/2018	4.93		4.98	4.81		
10/17/2018						6.58
10/18/2018		4.97			4.71	
2/27/2019	4.75	4.84	4.78	4.71		
2/28/2019					4.71	6.53
5/31/2019	4.9	4.92	4.92	4.84	4.62	6.25
11/6/2019	4.82	4.94	4.88	4.78		
11/11/2019					4.77	6.68
4/16/2020	5.03	5.17	5.15	4.96		
4/18/2020					4.69	6.61

Time Series

Constituent: Field pH (SU) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			5.08	6.37	
3/3/2016	5.185 (D)	5.33			6.62 (D)
5/2/2016				5.605 (D)	
5/3/2016			5.14		
5/4/2016	5.02 (D)	5.13			6.345 (D)
7/5/2016			5.38	6.29	
7/6/2016	4.93				6.42
7/7/2016		5.19			
9/6/2016			5.37	6.42	
9/7/2016	5.36	4.9			6.01
11/7/2016		4.78	4.92	5.75	
11/8/2016	5.26				6.02
1/9/2017			5.05	5.98	
1/10/2017	5.04	4.96			6
3/13/2017			4.87	5.81	
3/15/2017	5.91	4.89			
3/16/2017					6.12
5/15/2017			4.69	5.42	
5/16/2017	5.36	4.53			6.13
10/2/2017			4.88	5.63	
10/3/2017	6.36	4.64			5.47
12/20/2017	5.86	4.87			6.07 (R)
3/12/2018			5.07	5.6	
3/13/2018	5.41	4.91			6.26
6/6/2018			5.09	5.58	
6/7/2018	5.37	4.8			6.36
10/17/2018	5.94	4.87	4.99	5.54	6.18
2/27/2019			4.87	5.4	6.49
2/28/2019	5.64	4.86			
5/31/2019	5.41	4.84	4.89	5.45	6.65
11/6/2019			5.04	5.52	
11/11/2019	5.18	4.9			6.75
4/16/2020			5.13	5.58	
4/18/2020	5.2	4.91			6.97

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.1	<0.1	<0.1	<0.1		
3/3/2016					0.041 (J)	0.15
5/2/2016	<0.1		<0.1	<0.1		
5/4/2016		<0.1			<0.1	0.11
7/5/2016	<0.1		<0.1	<0.1		
7/6/2016						0.13
7/7/2016					<0.1	
7/8/2016		<0.1				
9/6/2016	<0.1	<0.1	<0.1	<0.1		
9/7/2016					<0.1	
9/8/2016						0.12
11/7/2016	<0.1		<0.1	<0.1		
11/8/2016					<0.1	0.13
11/10/2016		<0.1				
1/9/2017	<0.1		<0.1	<0.1		
1/10/2017					<0.1	0.15
1/11/2017		<0.1				
3/13/2017	<0.1		<0.1	<0.1		
3/14/2017		<0.1				
3/15/2017					<0.1	
3/16/2017						0.16
5/15/2017	<0.1		<0.1	<0.1		0.2
5/16/2017					<0.1	
5/18/2017		<0.1				
10/2/2017	<0.1		<0.1	<0.1		
10/3/2017					<0.1	0.25
10/5/2017		<0.1				
12/20/2017						0.25
3/12/2018	<0.1		<0.1	<0.1		
3/13/2018					<0.1	0.26
3/14/2018		0.12				
6/5/2018	<0.1		<0.1	<0.1		
6/6/2018					<0.1	
6/7/2018						0.28
6/10/2018		<0.1				
10/16/2018	<0.1		<0.1	<0.1		
10/17/2018						0.29
10/18/2018		<0.1			<0.1	
2/27/2019	<0.1	<0.1	<0.1	<0.1		
2/28/2019					<0.1	0.28
5/31/2019	<0.1	<0.1	<0.1	<0.1	<0.1	0.33
11/6/2019	<0.1	<0.1	<0.1	<0.1		
11/11/2019					<0.1	0.26
4/16/2020	<0.1	<0.1	<0.1	<0.1		
4/18/2020					<0.1	0.25

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.1	0.033 (J)	
3/3/2016	0.12	0.035 (J)			0.11
5/2/2016				<0.1	
5/3/2016			<0.1		
5/4/2016	0.19	<0.1			0.07 (J)
7/5/2016			<0.1	<0.1	
7/6/2016	0.15				0.07 (J)
7/7/2016		<0.1			
9/6/2016			<0.1	<0.1	
9/7/2016	0.06 (J)	<0.1			0.06 (J)
11/7/2016		<0.1	<0.1	<0.1	
11/8/2016	0.09 (J)				0.06 (J)
1/9/2017			<0.1	<0.1	
1/10/2017	<0.1	<0.1			0.04 (J)
3/13/2017			<0.1	<0.1	
3/15/2017	<0.1	<0.1			
3/16/2017					0.06 (J)
5/15/2017			<0.1	<0.1	
5/16/2017	0.04 (J)	<0.1			0.09 (J)
10/2/2017			<0.1	<0.1	
10/3/2017	0.07 (J)	<0.1			0.13
12/20/2017					0.1
3/12/2018			<0.1	<0.1	
3/13/2018	<0.1	<0.1			0.1
6/6/2018			<0.1	<0.1	
6/7/2018	<0.1	<0.1			0.14
10/17/2018	0.06 (J)	<0.1	<0.1	<0.1	0.14
2/27/2019			<0.1	<0.1	0.16
2/28/2019	<0.1	<0.1			
5/31/2019	<0.1	<0.1	<0.1	<0.1	0.2
11/6/2019			<0.1	<0.1	
11/11/2019	<0.1	<0.1			0.16
4/16/2020			<0.1	<0.1	
4/18/2020	<0.1	<0.1			0.17

Time Series

Constituent: Lead (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.00025	<0.00025	<0.00025	<0.00025		
3/3/2016					<0.00025	<0.00025
5/2/2016	<0.00025		<0.00025	<0.00025		
5/4/2016		<0.00025			<0.00025	<0.00025
7/5/2016	<0.00025		<0.00025	<0.00025		
7/6/2016						<0.00025
7/7/2016					<0.00025	
7/8/2016		<0.00025				
9/6/2016	<0.00025	<0.00025	<0.00025	<0.00025		
9/7/2016					<0.00025	
9/8/2016						<0.00025
11/7/2016	<0.00025		<0.00025	<0.00025		
11/8/2016					<0.00025	<0.00025
11/10/2016		<0.00025				
1/9/2017	<0.00025		<0.00025	<0.00025		
1/10/2017					<0.00025	<0.00025
1/11/2017		<0.00025				
3/13/2017	<0.00025		<0.00025	<0.00025		
3/14/2017		<0.00025				
3/15/2017					<0.00025	
3/16/2017						<0.00025
5/15/2017	<0.00025		<0.00025	<0.00025		<0.00025
5/16/2017					<0.00025	
5/18/2017		<0.00025				
3/12/2018	<0.00025		<0.00025	<0.00025		
3/13/2018					<0.00025	<0.00025
3/14/2018		<0.00025				
6/5/2018	<0.00025		<0.00025	<0.00025		
6/6/2018					<0.00025	
6/7/2018						<0.00025
6/10/2018		<0.00025				
10/16/2018	<0.00025		<0.00025	<0.00025		
10/18/2018		<0.00025				
2/27/2019	<0.00025	<0.00025	0.001 (J)	<0.00025		
2/28/2019					<0.00025	<0.00025
5/31/2019	<0.00025	<0.00025	<0.00025	<0.00025		
11/6/2019	0.0001 (J)	<0.00025	6.6E-05 (J)	8.4E-05 (J)		
4/16/2020	6.6E-05 (J)	<0.00025	<0.00025	<0.00025		
4/18/2020					8.3E-05 (J)	0.00011 (J)

Time Series

Constituent: Lead (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.00025	<0.00025	
3/3/2016	<0.00025	<0.00025			<0.00025
5/2/2016				<0.00025	
5/3/2016			<0.00025		
5/4/2016	0.00086 (J)	<0.00025			<0.00025
7/5/2016			<0.00025	<0.00025	
7/6/2016	0.0014				<0.00025
7/7/2016		<0.00025			
9/6/2016			<0.00025	<0.00025	
9/7/2016	0.00056 (J)	<0.00025			<0.00025
11/7/2016		<0.00025	<0.00025	<0.00025	
11/8/2016	0.00047 (J)				<0.00025
1/9/2017			<0.00025	<0.00025	
1/10/2017	0.00041 (J)	<0.00025			<0.00025
3/13/2017			<0.00025	<0.00025	
3/15/2017	<0.00025	<0.00025			
3/16/2017					<0.00025
5/15/2017			<0.00025	<0.00025	
5/16/2017	<0.00025	<0.00025			<0.00025
3/12/2018			<0.00025	<0.00025	
3/13/2018	<0.00025	<0.00025			<0.00025
6/6/2018			<0.00025	<0.00025	
6/7/2018	<0.00025	<0.00025			<0.00025
10/17/2018			<0.00025	<0.00025	
2/27/2019			<0.00025	<0.00025	<0.00025
2/28/2019	<0.00025	<0.00025			
5/31/2019			<0.00025	<0.00025	
11/6/2019			<0.00025	0.0002 (J)	
4/16/2020			<0.00025	0.00016 (J)	
4/18/2020	0.00022 (J)	<0.00025			<0.00025

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.001	<0.001	<0.001	<0.001		
3/3/2016					<0.001	0.037
5/2/2016	<0.001		<0.001	<0.001		
5/4/2016		<0.001			<0.001	0.029
7/5/2016	<0.001		<0.001	<0.001		
7/6/2016						0.024
7/7/2016					<0.001	
7/8/2016		<0.001				
9/6/2016	<0.001	0.0037 (J)	<0.001	<0.001		
9/7/2016					<0.001	
9/8/2016						0.022
11/7/2016	<0.001		<0.001	<0.001		
11/8/2016					<0.001	0.026
11/10/2016		<0.001				
1/9/2017	<0.001		<0.001	<0.001		
1/10/2017					<0.001	0.024
1/11/2017		<0.001				
3/13/2017	<0.001		<0.001	<0.001		
3/14/2017		<0.001				
3/15/2017					<0.001	
3/16/2017						0.029
5/15/2017	<0.001		<0.001	<0.001		0.025
5/16/2017					<0.001	
5/18/2017		<0.001				
3/12/2018	0.0011 (J)		0.0014 (J)	<0.001		
3/13/2018					<0.001	0.03
3/14/2018		<0.001				
6/5/2018	<0.001		0.0012 (J)	<0.001		
6/6/2018					<0.001	
6/7/2018						0.025
6/10/2018		<0.001				
10/16/2018	<0.001		0.0015 (J)	0.0013 (J)		
10/17/2018						0.024
10/18/2018		0.0013 (J)			<0.001	
2/27/2019	<0.001	<0.001	<0.001	<0.001		
2/28/2019					<0.001	0.021
5/31/2019	0.0021 (J)	0.0013 (J)	0.0017 (J)	0.0017 (J)	0.0014 (J)	0.021
11/6/2019	0.0011	0.001	0.0011	<0.001		
11/11/2019					0.00062 (J)	0.023
4/16/2020	0.0006 (J)	<0.001	0.00063 (J)	<0.001		
4/18/2020					0.00062 (J)	0.023

Time Series

Constituent: Lithium (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.001	0.0037	
3/3/2016	<0.001	<0.001			<0.001
5/2/2016				<0.001	
5/3/2016			<0.001		
5/4/2016	<0.001	<0.001			<0.001
7/5/2016			<0.001	<0.001	
7/6/2016	0.0044 (J)				<0.001
7/7/2016		<0.001			
9/6/2016			<0.001	<0.001	
9/7/2016	<0.001	<0.001			<0.001
11/7/2016		<0.001	<0.001	0.0097 (o)	
11/8/2016	<0.001				<0.001
1/9/2017			<0.001	<0.001	
1/10/2017	<0.001	<0.001			<0.001
3/13/2017			<0.001	<0.001	
3/15/2017	<0.001	<0.001			
3/16/2017					<0.001
5/15/2017			<0.001	<0.001	
5/16/2017	<0.001	<0.001			<0.001
3/12/2018			<0.001	<0.001	
3/13/2018	<0.001	<0.001			<0.001
6/6/2018			<0.001	0.0021 (J)	
6/7/2018	0.0012 (J)	0.0014 (J)			0.0011 (J)
10/17/2018	<0.001	<0.001	<0.001	0.0012 (J)	<0.001
2/27/2019			<0.001	0.002 (J)	0.0011 (J)
2/28/2019	<0.001	<0.001			
5/31/2019	0.0023 (J)	<0.001	0.0015 (J)	0.0026 (J)	0.0021 (J)
11/6/2019			0.00063 (J)	0.0012	
11/11/2019	0.0034	0.00054 (J)			0.0013
4/16/2020			<0.001	0.00091 (J)	
4/18/2020	0.0012	0.00047 (J)			<0.001

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.0002	<0.0002	9.1E-05 (J)	<0.0002		
3/3/2016					<0.0002	<0.0002
5/2/2016	<0.0002		7.4E-05 (J)	<0.0002		
5/4/2016		<0.0002			<0.0002	<0.0002
7/5/2016	<0.0002		<0.0002	<0.0002		
7/6/2016						<0.0002
7/7/2016					<0.0002	
7/8/2016		<0.0002				
9/6/2016	<0.0002	<0.0002	<0.0002	<0.0002		
9/7/2016					<0.0002	
9/8/2016						<0.0002
11/7/2016	<0.0002		<0.0002	<0.0002		
11/8/2016					<0.0002	<0.0002
11/10/2016		<0.0002				
1/9/2017	<0.0002		<0.0002	<0.0002		
1/10/2017					<0.0002	<0.0002
1/11/2017		<0.0002				
3/13/2017	<0.0002		<0.0002	<0.0002		
3/14/2017		<0.0002				
3/15/2017					<0.0002	
3/16/2017						<0.0002
5/15/2017	<0.0002		<0.0002	<0.0002		<0.0002
5/16/2017					<0.0002	
5/18/2017		<0.0002				
3/12/2018	<0.0002		<0.0002	<0.0002		
3/13/2018					<0.0002	<0.0002
3/14/2018		9.3E-05 (J)				
6/5/2018	<0.0002		<0.0002	<0.0002		
6/6/2018					<0.0002	
6/7/2018						<0.0002
6/10/2018		<0.0002				
10/16/2018	<0.0002		<0.0002	<0.0002		
10/17/2018						<0.0002
10/18/2018		<0.0002			<0.0002	
2/27/2019	<0.0002	<0.0002	<0.0002	<0.0002		
2/28/2019					<0.0002	<0.0002
5/31/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
11/6/2019	<0.0002	<0.0002	<0.0002	<0.0002		
11/11/2019					<0.0002	<0.0002
4/16/2020	<0.0002	<0.0002	<0.0002	<0.0002		
4/18/2020					<0.0002	<0.0002

Time Series

Constituent: Mercury (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.0002	<0.0002	
3/3/2016	8.6E-05 (J)	<0.0002			<0.0002
5/2/2016				<0.0002	
5/3/2016			<0.0002		
5/4/2016	0.00026	<0.0002			<0.0002
7/5/2016			<0.0002	<0.0002	
7/6/2016	0.0012				<0.0002
7/7/2016		<0.0002			
9/6/2016			<0.0002	<0.0002	
9/7/2016	<0.0002	<0.0002			<0.0002
11/7/2016		<0.0002	<0.0002	<0.0002	
11/8/2016	0.00065				<0.0002
1/9/2017			<0.0002	<0.0002	
1/10/2017	<0.0002	<0.0002			<0.0002
3/13/2017			<0.0002	<0.0002	
3/15/2017	<0.0002	<0.0002			
3/16/2017					<0.0002
5/15/2017			<0.0002	<0.0002	
5/16/2017	0.00042	<0.0002			<0.0002
3/12/2018			<0.0002	<0.0002	
3/13/2018	0.00039	<0.0002			<0.0002
6/6/2018			<0.0002	<0.0002	
6/7/2018	0.00033	<0.0002			<0.0002
10/17/2018	0.00041	<0.0002	<0.0002	<0.0002	<0.0002
2/27/2019			<0.0002	<0.0002	<0.0002
2/28/2019	0.00055	<0.0002			
5/31/2019	0.00054	<0.0002	<0.0002	<0.0002	<0.0002
11/6/2019			<0.0002	<0.0002	
11/11/2019	0.0011	<0.0002			<0.0002
4/16/2020			<0.0002	<0.0002	
4/18/2020	0.00082	<0.0002			<0.0002

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.003	<0.003	<0.003	<0.003		
3/3/2016					<0.003	0.99
5/2/2016	<0.003		<0.003	<0.003		
5/4/2016		<0.003			<0.003	0.99
7/5/2016	<0.003		<0.003	<0.003		
7/6/2016						1.9
7/7/2016					<0.003	
7/8/2016		<0.003				
9/6/2016	<0.003	<0.003	<0.003	<0.003		
9/7/2016					<0.003	
9/8/2016						2.4
11/7/2016	<0.003		<0.003	<0.003		
11/8/2016					<0.003	2.2
11/10/2016		<0.003				
1/9/2017	<0.003		<0.003	<0.003		
1/10/2017					<0.003	2.1
1/11/2017		<0.003				
3/13/2017	0.0042 (J)		<0.003	0.0022 (J)		
3/14/2017		<0.003				
3/15/2017					<0.003	
3/16/2017						1.6
5/15/2017	<0.003		<0.003	<0.003		1.2
5/16/2017					<0.003	
5/18/2017		<0.003				
3/12/2018	<0.003		<0.003	<0.003		
3/13/2018					<0.003	1
3/14/2018		<0.003				
6/5/2018	<0.003		0.00088 (J)	<0.003		
6/6/2018					<0.003	
6/7/2018						1.1
6/10/2018		<0.003				
10/16/2018	<0.003		<0.003	<0.003		
10/17/2018						1.1
10/18/2018		<0.003			<0.003	
2/27/2019	<0.003	<0.003	<0.003	<0.003		
2/28/2019					<0.003	0.77
5/31/2019	<0.003	<0.003	<0.003	<0.003	<0.003	0.64
11/6/2019	<0.003	<0.003	<0.003	<0.003		
11/11/2019					<0.003	0.85
4/16/2020	<0.003	<0.003	<0.003	<0.003		
4/18/2020					<0.003	0.81

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.003	<0.003	
3/3/2016	<0.003	<0.003			<0.003
5/2/2016				<0.003	
5/3/2016			<0.003		
5/4/2016	<0.003	<0.003			<0.003
7/5/2016			<0.003	<0.003	
7/6/2016	0.0018 (J)				<0.003
7/7/2016		<0.003			
9/6/2016			<0.003	<0.003	
9/7/2016	0.0029 (J)	<0.003			<0.003
11/7/2016		<0.003	<0.003	<0.003	
11/8/2016	<0.003				<0.003
1/9/2017			<0.003	<0.003	
1/10/2017	<0.003	<0.003			<0.003
3/13/2017			<0.003	<0.003	
3/15/2017	<0.003	<0.003			
3/16/2017					<0.003
5/15/2017			<0.003	<0.003	
5/16/2017	<0.003	<0.003			<0.003
3/12/2018			<0.003	<0.003	
3/13/2018	0.0033 (J)	<0.003			<0.003
6/6/2018			<0.003	<0.003	
6/7/2018	0.0065 (J)	0.0016 (J)			0.00098 (J)
10/17/2018	0.0043 (J)	<0.003	<0.003	<0.003	<0.003
2/27/2019			<0.003	<0.003	<0.003
2/28/2019	0.0028 (J)	<0.003			
5/31/2019	<0.003	<0.003	<0.003	<0.003	<0.003
11/6/2019			<0.003	<0.003	
11/11/2019	0.0056 (J)	<0.003			<0.003
4/16/2020			<0.003	<0.003	
4/18/2020	<0.003	<0.003			<0.003

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.00025	<0.00025	<0.00025	<0.00025		
3/3/2016					<0.00025	0.008
5/2/2016	<0.00025		<0.00025	0.00025 (J)		
5/4/2016		<0.00025			<0.00025	0.0068
7/5/2016	<0.00025		<0.00025	<0.00025		
7/6/2016						0.0061
7/7/2016					<0.00025	
7/8/2016		<0.00025				
9/6/2016	0.00049 (J)	<0.00025	<0.00025	0.00027 (J)		
9/7/2016					<0.00025	
9/8/2016						0.0065
11/7/2016	<0.00025		<0.00025	<0.00025		
11/8/2016					<0.00025	0.0046
11/10/2016		<0.00025				
1/9/2017	<0.00025		<0.00025	<0.00025		
1/10/2017					<0.00025	0.0045
1/11/2017		0.00049 (J)				
3/13/2017	0.0023		<0.00025	0.0025		
3/14/2017		<0.00025				
3/15/2017					<0.00025	
3/16/2017						0.0079
5/15/2017	<0.00025		<0.00025	<0.00025		0.0064
5/16/2017					<0.00025	
5/18/2017		<0.00025				
3/12/2018	0.00046 (J)		0.00064 (J)	0.00047 (J)		
3/13/2018					<0.00025	0.0037
3/14/2018		0.00067 (J)				
6/5/2018	0.00049 (J)		0.00098 (J)	0.00065 (J)		
6/6/2018					<0.00025	
6/7/2018						0.0054
6/10/2018		0.00028 (J)				
10/16/2018	<0.00025		<0.00025	<0.00025		
10/17/2018						0.0026
10/18/2018		<0.00025			<0.00025	
2/27/2019	<0.00025	<0.00025	<0.00025	<0.00025		
2/28/2019					<0.00025	0.002
5/31/2019	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	0.0041
11/6/2019	<0.00025	<0.00025	<0.00025	0.00034		
11/11/2019					<0.00025	0.0031
4/16/2020	<0.00025	<0.00025	<0.00025	0.0004		
4/18/2020					<0.00025	0.0035

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.00025	<0.00025	
3/3/2016	0.0041 (J)	<0.00025			0.0051 (J)
5/2/2016				<0.00025	
5/3/2016			<0.00025		
5/4/2016	0.008	<0.00025			0.0049
7/5/2016			<0.00025	<0.00025	
7/6/2016	0.0056				0.0066
7/7/2016		<0.00025			
9/6/2016			<0.00025	<0.00025	
9/7/2016	0.0045	<0.00025			0.0073
11/7/2016		<0.00025	<0.00025	<0.00025	
11/8/2016	0.0055				0.0058
1/9/2017			<0.00025	<0.00025	
1/10/2017	0.0056	<0.00025			0.0058
3/13/2017			<0.00025	<0.00025	
3/15/2017	0.0088	<0.00025			
3/16/2017					0.006
5/15/2017			<0.00025	<0.00025	
5/16/2017	0.0029	<0.00025			0.0058
3/12/2018			0.00026 (J)	<0.00025	
3/13/2018	0.0065	<0.00025			0.0048
6/6/2018			0.00025 (J)	0.00026 (J)	
6/7/2018	0.0047	<0.00025			0.0061
10/17/2018	0.05 (o)	<0.00025	<0.00025	<0.00025	0.0023
2/27/2019			<0.00025	<0.00025	0.0033
2/28/2019	0.0011 (J)	<0.00025			
5/31/2019	0.0045	<0.00025	<0.00025	<0.00025	0.0031
11/6/2019			<0.00025	<0.00025	
11/11/2019	0.0067	0.00027			0.002
4/16/2020			<0.00025	<0.00025	
4/18/2020	0.0066	<0.00025			0.0021

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<5	<5	<5	1.6 (J)		
3/3/2016					<5	180
5/2/2016	15 (o)		<5	2.1 (J)		
5/4/2016		<5			<5	200
7/5/2016	<5		<5	2 (J)		
7/6/2016						150
7/7/2016					<5	
7/8/2016		<5				
9/6/2016	<5	<5	<5	1.8 (J)		
9/7/2016					<5	
9/8/2016						160
11/7/2016	<5		<5	1.7 (J)		
11/8/2016					<5	230
11/10/2016		<5				
1/9/2017	<5		2.6 (J)	1.5 (J)		
1/10/2017					<5	190
1/11/2017		<5				
3/13/2017	2.5 (J)		<5	2.2 (J)		
3/14/2017		<5				
3/15/2017					<5	
3/16/2017						190
5/15/2017	<5		<5	1.9 (J)		190
5/16/2017					<5	
5/18/2017		<5 (X)				
10/2/2017	<5		<5	3.4 (J)		
10/3/2017					<5	130
10/5/2017		<5				
12/20/2017						85
3/12/2018	<5		<5	2.6 (J)		
3/13/2018					<5	160
3/14/2018		<5				
6/5/2018	<5		<5	2.6 (J)		
6/6/2018					<5	
6/7/2018						280
6/10/2018		1.5 (J)				
10/16/2018	<5		<5	2.8 (J)		
10/17/2018						250
10/18/2018		<5			<5	
2/27/2019	<5	1.9 (J)	<5	2.4 (J)		
2/28/2019					<5	140
5/31/2019	<5	<5	<5	3.3 (J)	<5	140
11/6/2019	<5	<5	<5	3.7 (J)		
11/11/2019					<5	230
4/16/2020	<5	<5	<5	1.7 (J)		
4/18/2020					<5	260

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<5	<5	
3/3/2016	550	<5			230
5/2/2016				<5	
5/3/2016			<5		
5/4/2016	520	<5			280
7/5/2016			<5	<5	
7/6/2016	510				270
7/7/2016		<5			
9/6/2016			<5	3.7 (J)	
9/7/2016	340	<5			280
11/7/2016		<5	<5	<5	
11/8/2016	630				280
1/9/2017			<5	<5	
1/10/2017	580	<5			240
3/13/2017			<5	<5	
3/15/2017	250	<5			
3/16/2017					220
5/15/2017			<5	<5	
5/16/2017	410	<5			200
10/2/2017			1.5 (J)	1.7 (J)	
10/3/2017	440	<5			180
12/20/2017	400				170
3/12/2018			<5	<5	
3/13/2018	460	1.5 (J)			210
6/6/2018			<5	<5	
6/7/2018	420	<5			210
10/17/2018	320	<5	<5	<5	140
2/27/2019			<5	<5	150
2/28/2019	490	2.6 (J)			
5/31/2019	500	12	<5	<5	210
11/6/2019			<5	<5	
11/11/2019	340	5.5			170
4/16/2020			<5	<5	
4/18/2020	600	<5			120

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	<0.0001	<0.0001	<0.0001	<0.0001		
3/3/2016					<0.0001	0.00023 (J)
5/2/2016	<0.0001		<0.0001	<0.0001		
5/4/2016		<0.0001			<0.0001	0.00021 (J)
7/5/2016	<0.0001		<0.0001	<0.0001		
7/6/2016						0.00016 (J)
7/7/2016					<0.0001	
7/8/2016		<0.0001				
9/6/2016	<0.0001	<0.0001	<0.0001	<0.0001		
9/7/2016					<0.0001	
9/8/2016						0.00015 (J)
11/7/2016	<0.0001		<0.0001	<0.0001		
11/8/2016					<0.0001	0.00017 (J)
11/10/2016		<0.0001				
1/9/2017	<0.0001		<0.0001	<0.0001		
1/10/2017					<0.0001	0.00018 (J)
1/11/2017		<0.0001				
3/13/2017	<0.0001		<0.0001	<0.0001		
3/14/2017		<0.0001				
3/15/2017					<0.0001	
3/16/2017						0.00024 (J)
5/15/2017	<0.0001		<0.0001	<0.0001		0.00022 (J)
5/16/2017					<0.0001	
5/18/2017		<0.0001				
3/12/2018	<0.0001		<0.0001	<0.0001		
3/13/2018					<0.0001	0.00022 (J)
3/14/2018		<0.0001				
6/5/2018	<0.0001		<0.0001	<0.0001		
6/6/2018					<0.0001	
6/7/2018						0.00022 (J)
6/10/2018		<0.0001				
10/16/2018	<0.0001		<0.0001	<0.0001		
10/17/2018						0.00019 (J)
10/18/2018		<0.0001			<0.0001	
2/27/2019	<0.0001	<0.0001	<0.0001	<0.0001		
2/28/2019					<0.0001	0.00018 (J)
5/31/2019	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
11/6/2019	<0.0001	<0.0001	<0.0001	<0.0001		
11/11/2019					<0.0001	0.00023 (J)
4/16/2020	<0.0001	<0.0001	<0.0001	<0.0001		
4/18/2020					<0.0001	0.00027

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			<0.0001	<0.0001	
3/3/2016	0.00015 (J)	<0.0001			0.00023 (J)
5/2/2016				<0.0001	
5/3/2016			<0.0001		
5/4/2016	0.00021 (J)	<0.0001			0.00026 (J)
7/5/2016			<0.0001	<0.0001	
7/6/2016	0.00022 (J)				0.00032 (J)
7/7/2016		<0.0001			
9/6/2016			<0.0001	<0.0001	
9/7/2016	0.0001 (J)	<0.0001			0.00036 (J)
11/7/2016		<0.0001	<0.0001	<0.0001	
11/8/2016	0.00014 (J)				0.00032 (J)
1/9/2017			<0.0001	<0.0001	
1/10/2017	0.00018 (J)	<0.0001			0.00033 (J)
3/13/2017			<0.0001	<0.0001	
3/15/2017	<0.0001	<0.0001			
3/16/2017					0.00029 (J)
5/15/2017			<0.0001	<0.0001	
5/16/2017	9.5E-05 (J)	<0.0001			0.00027 (J)
3/12/2018			<0.0001	<0.0001	
3/13/2018	0.00017 (J)	<0.0001			0.00028 (J)
6/6/2018			<0.0001	<0.0001	
6/7/2018	0.00017 (J)	<0.0001			0.00026 (J)
10/17/2018	0.00011 (J)	<0.0001	<0.0001	<0.0001	0.00022 (J)
2/27/2019			<0.0001	<0.0001	0.00022 (J)
2/28/2019	0.00016 (J)	<0.0001			
5/31/2019	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
11/6/2019			<0.0001	<0.0001	
11/11/2019	0.00029 (J)	<0.0001			0.00023 (J)
4/16/2020			<0.0001	<0.0001	
4/18/2020	0.00026	<0.0001			0.00016

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-300	MW-303
2/29/2016	20	20	<5	12		
3/3/2016					18	420
5/2/2016	<5		<5	6		
5/4/2016		6			28	450
7/5/2016	12		14	<5		
7/6/2016						280
7/7/2016					<5	
7/8/2016		6				
9/6/2016	36	36	30	38		
9/7/2016					8	
9/8/2016						410
11/7/2016	18		8	<5		
11/8/2016					24	580
11/10/2016		16				
1/9/2017	4 (J)		<5	14		
1/10/2017					30	530
1/11/2017		38				
3/13/2017	6		<5	8		
3/14/2017		<5				
3/15/2017					32	
3/16/2017						650
5/15/2017	<5		<5	<5		500
5/16/2017					<5	
5/18/2017		10				
10/2/2017	<5		<5	6		
10/3/2017					34	310
10/5/2017		<5				
12/20/2017						150
3/12/2018	18		14	<5		
3/13/2018					26	450
3/14/2018		8				
6/5/2018	10		<5	14		
6/6/2018					64	
6/7/2018						620
6/10/2018		8				
10/16/2018	32		12	6		
10/17/2018						700
10/18/2018		28			12	
2/27/2019	110	68	54	110		
2/28/2019					20	330
5/31/2019	46	<5	8	26	36	300
11/6/2019	<5	10	4 (J)	<5		
11/11/2019					66	390
4/16/2020	28	44	18	8		
4/18/2020					62	520

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 6/25/2020 9:22 AM View: 300 Series

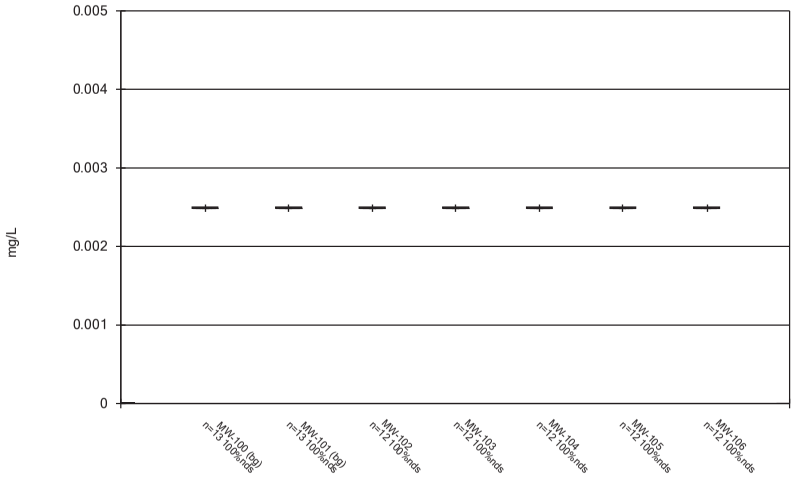
Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-304	MW-305	MW-306 (bg)	MW-307 (bg)	MW-308
3/1/2016			10	<5	
3/3/2016	1100	18			490
5/2/2016				36	
5/3/2016			<5		
5/4/2016	1200	38			690
7/5/2016			<5	<5	
7/6/2016	870				500
7/7/2016		<5			
9/6/2016			36	44	
9/7/2016	650	14			590
11/7/2016		32	<5	30	
11/8/2016	1100				530
1/9/2017			<5	12	
1/10/2017	1300	32			510
3/13/2017			22	20	
3/15/2017	500	20			
3/16/2017					420
5/15/2017			6	4 (J)	
5/16/2017	850	18			430
10/2/2017			16	24	
10/3/2017	760	36			320
12/20/2017	830				410
3/12/2018			<5	<5	
3/13/2018	880	12			590
6/6/2018			20	16	
6/7/2018	670	<5			530
10/17/2018	770	68	44	44	390
2/27/2019			20	28	420
2/28/2019	880	28			
5/31/2019	1200	50	32	18	620
11/6/2019			24	20	
11/11/2019	370	38			410
4/16/2020			6	8	
4/18/2020	1000	36			280

Box Plots - 100, 200 & 300 Series

100 Series

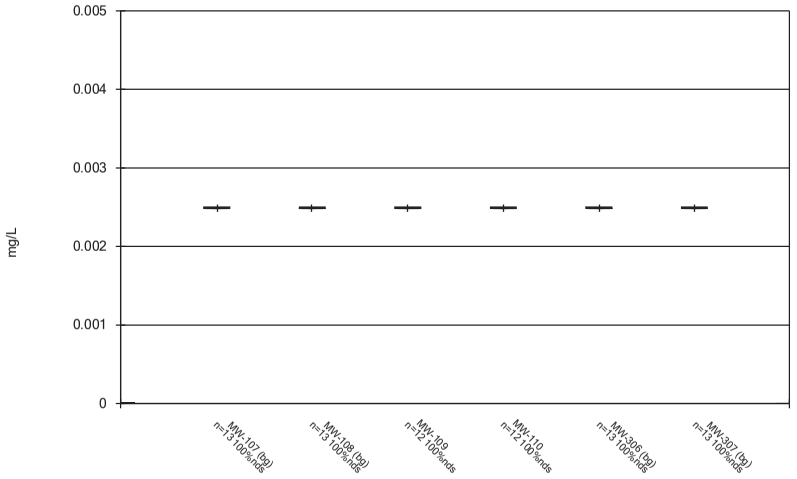
Box & Whiskers Plot



Constituent: Antimony Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

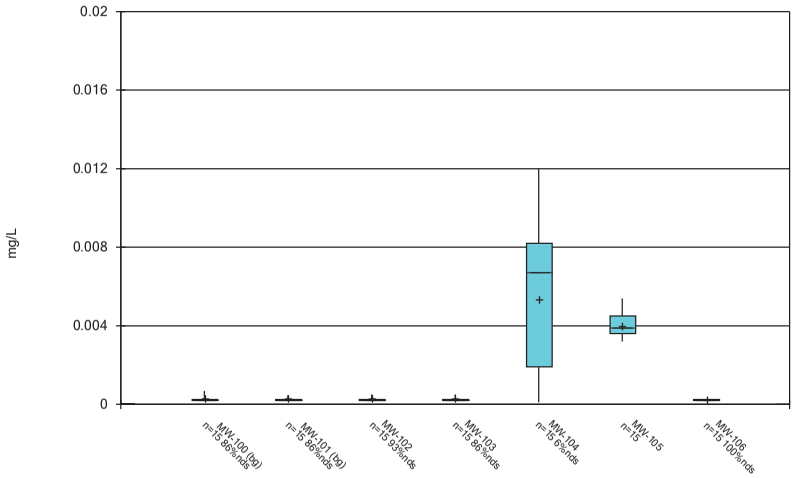
Box & Whiskers Plot



Constituent: Antimony Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

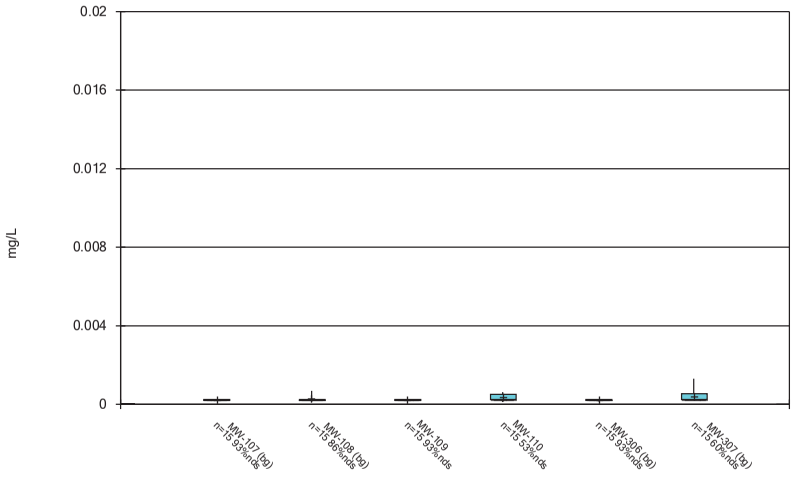
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

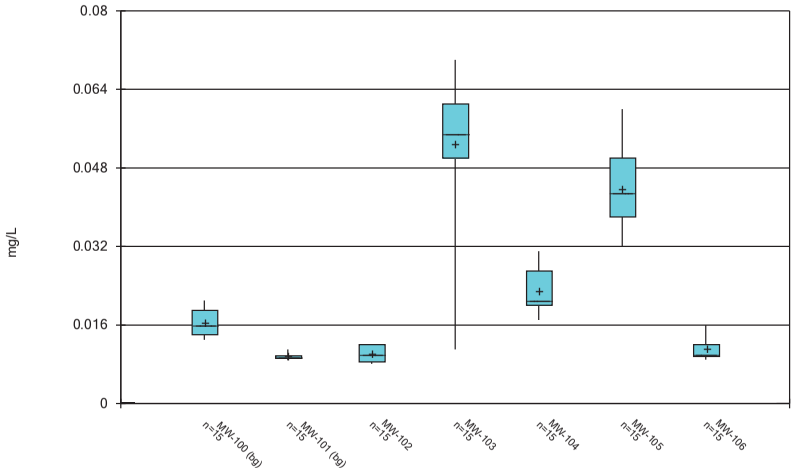
Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Arsenic Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

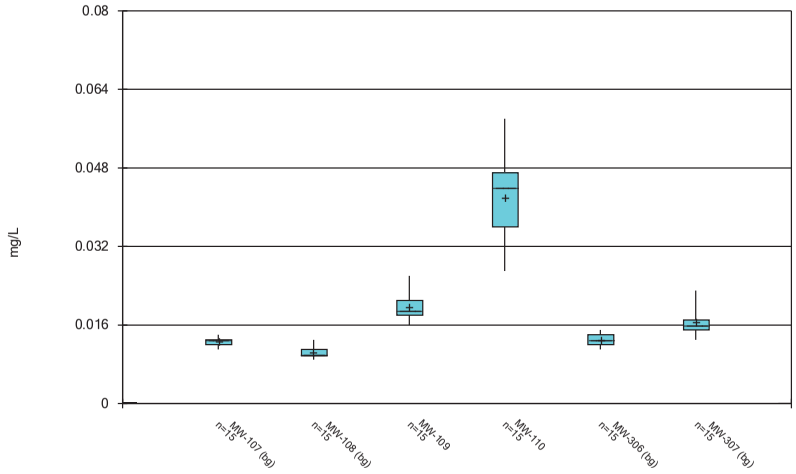
Box & Whiskers Plot



Constituent: Barium Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

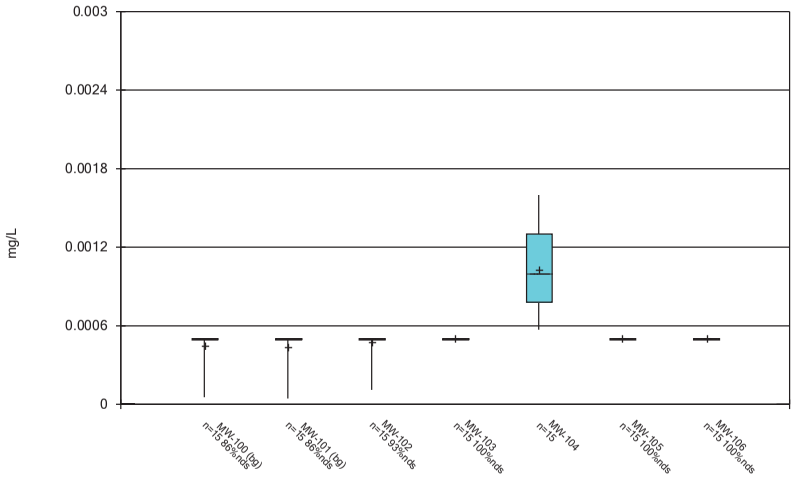
Box & Whiskers Plot



Constituent: Barium Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

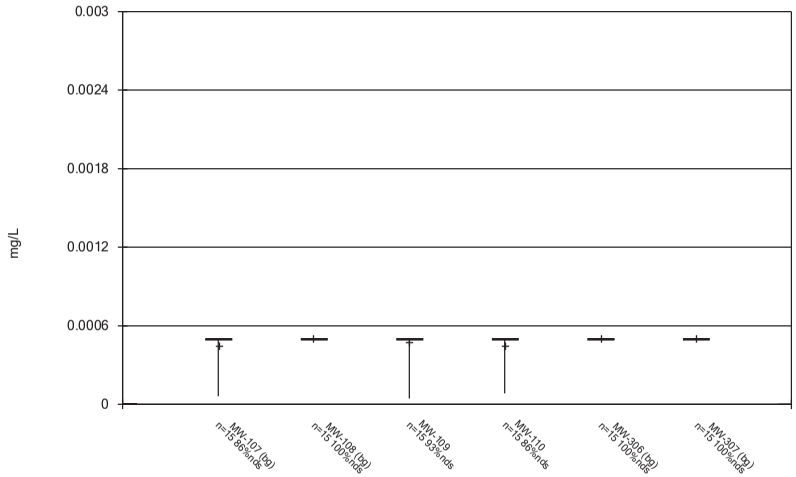
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

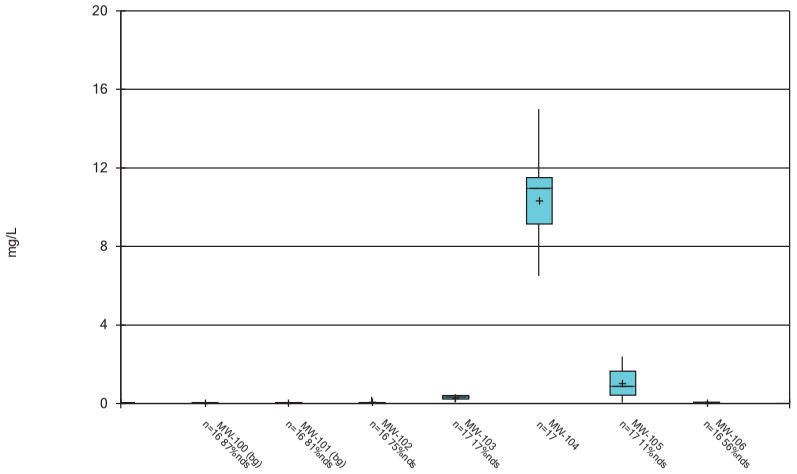
Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Beryllium Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

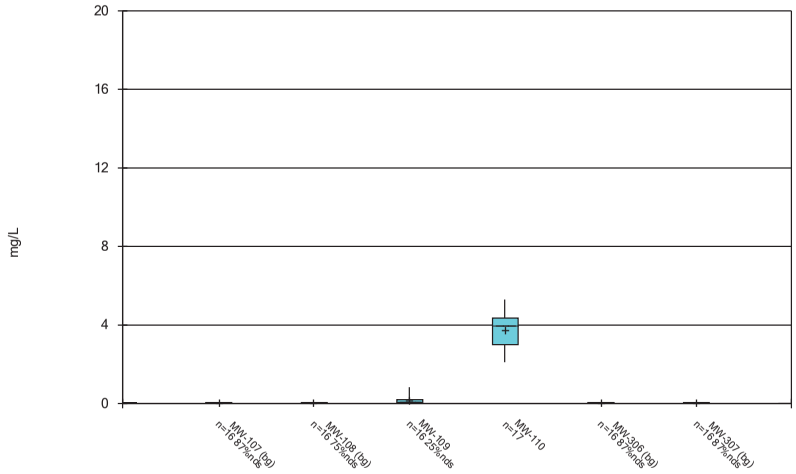
Box & Whiskers Plot



Constituent: Boron Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

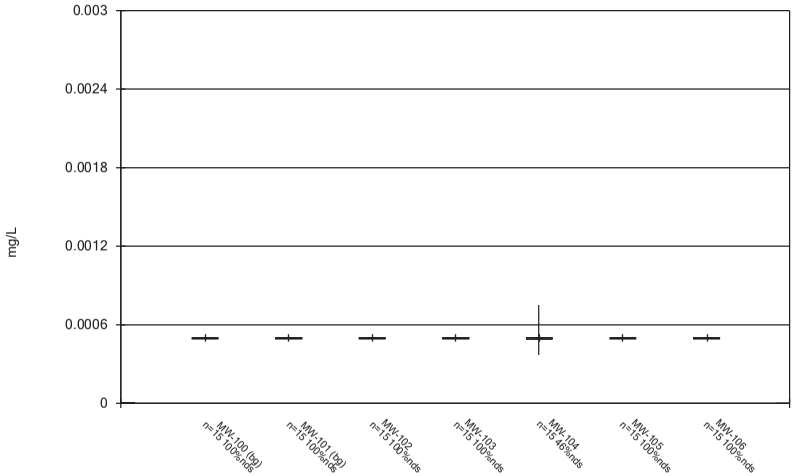
Box & Whiskers Plot



Constituent: Boron Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

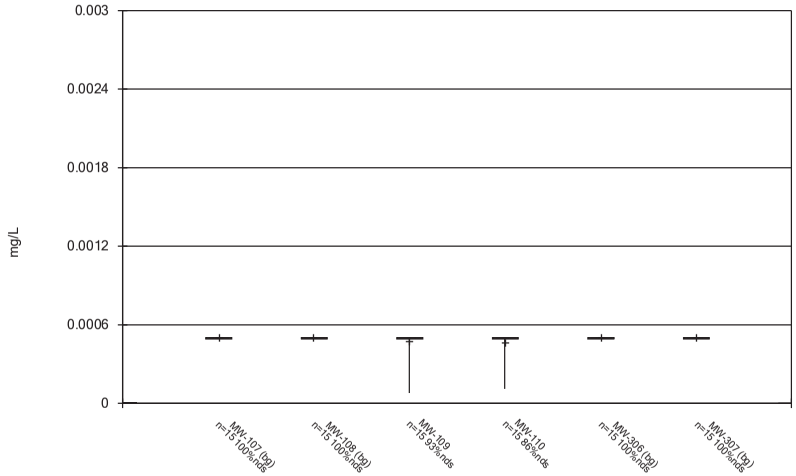
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

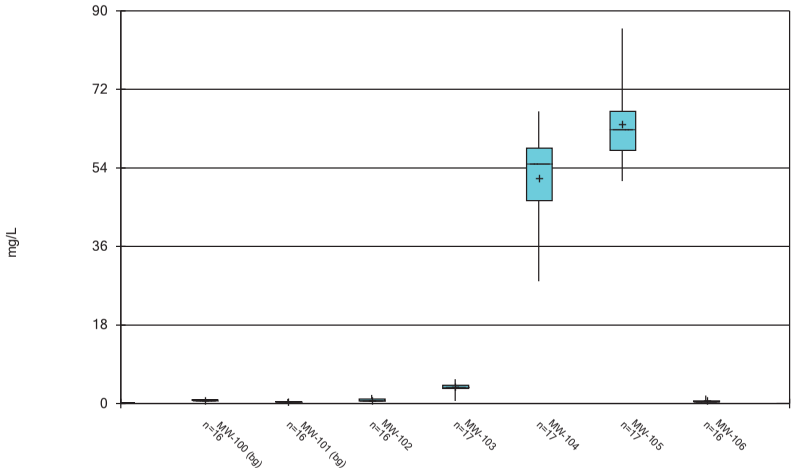
Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Cadmium Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

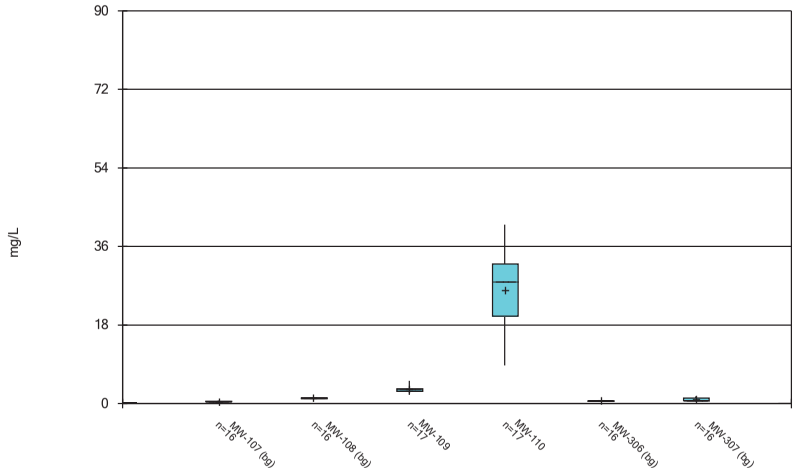
Box & Whiskers Plot



Constituent: Calcium Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

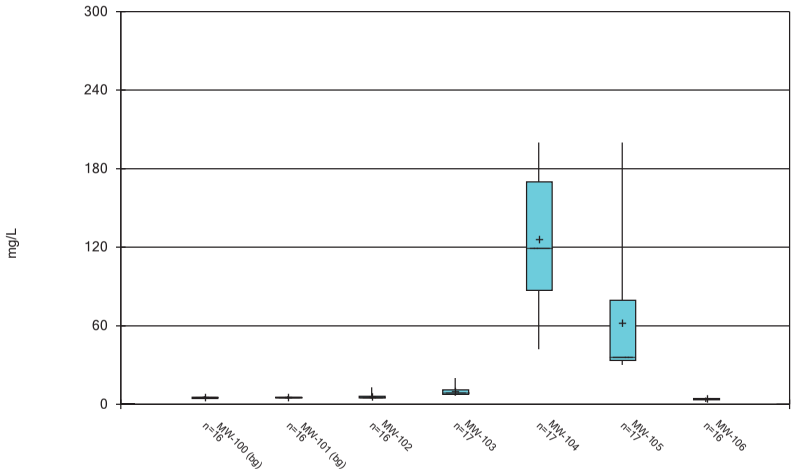
Box & Whiskers Plot



Constituent: Calcium Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

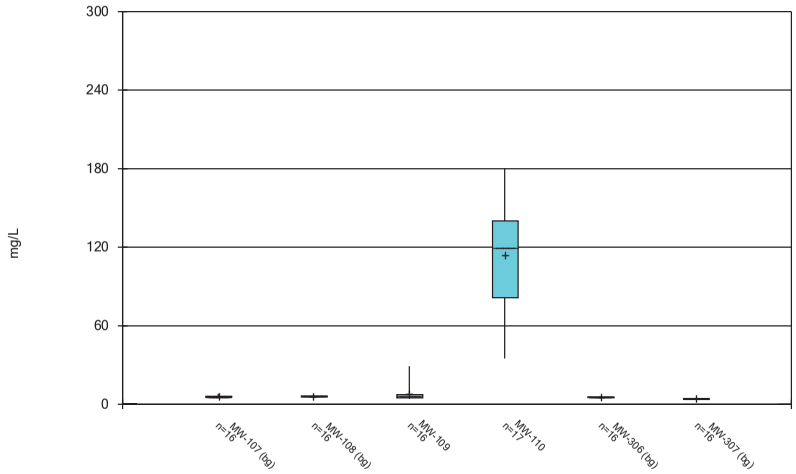
Box & Whiskers Plot



Constituent: Chloride Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

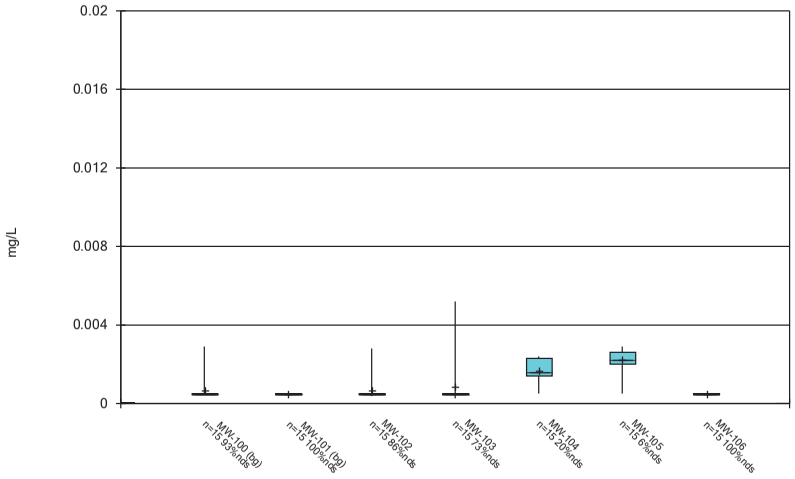
Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Chloride Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

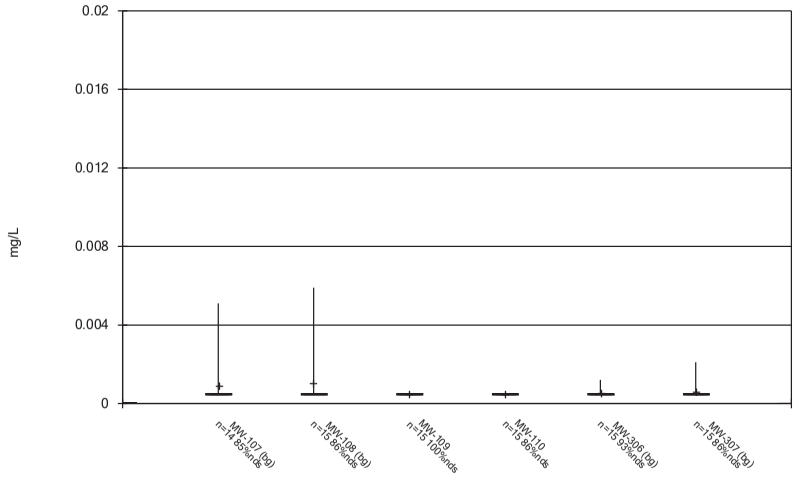
Box & Whiskers Plot



Constituent: Chromium Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

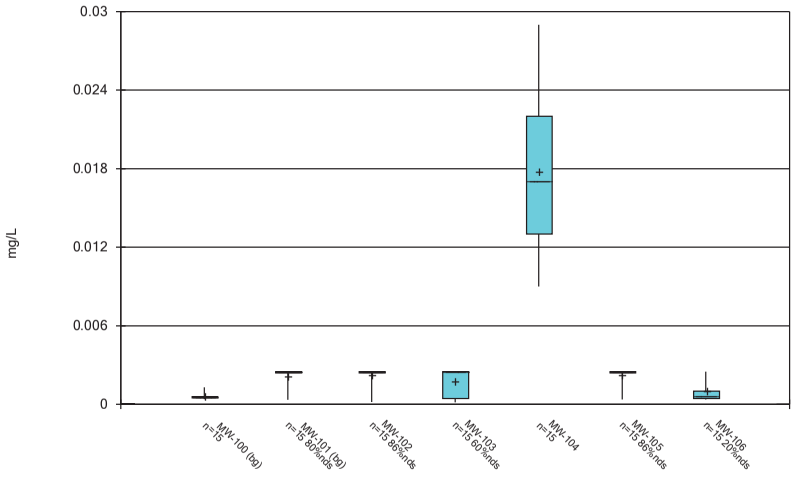
Box & Whiskers Plot



Constituent: Chromium Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

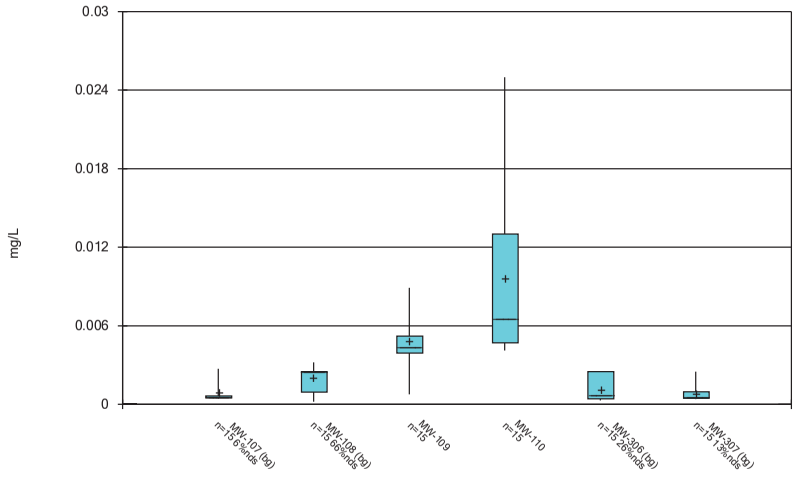
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

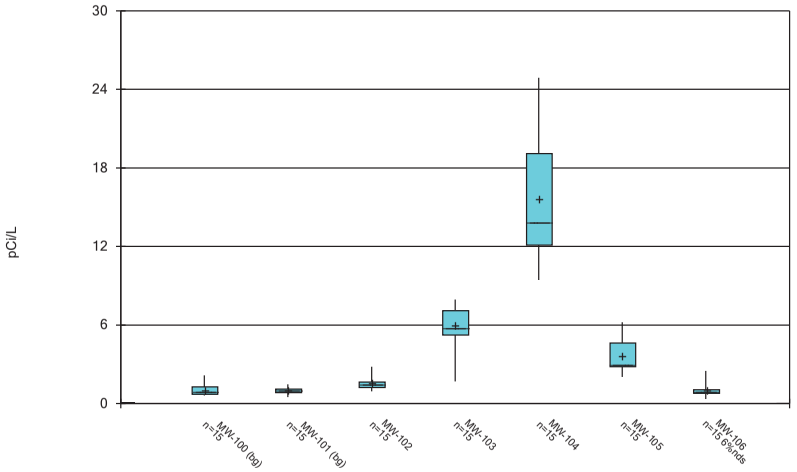
Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Cobalt Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

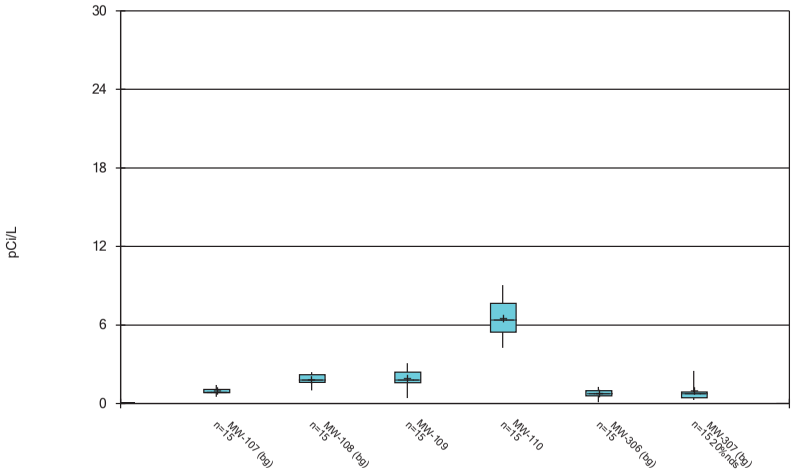
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

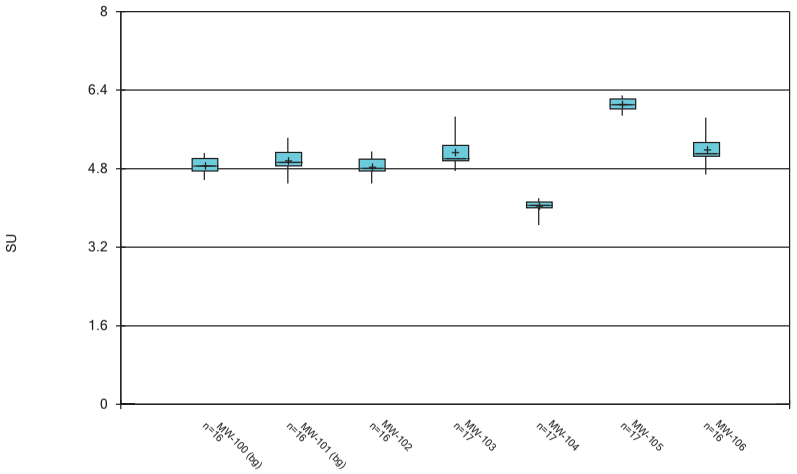
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

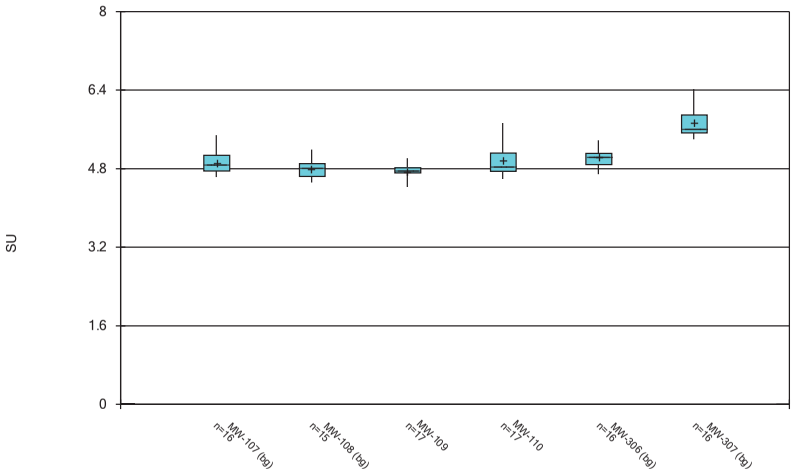
Box & Whiskers Plot



Constituent: Field pH Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

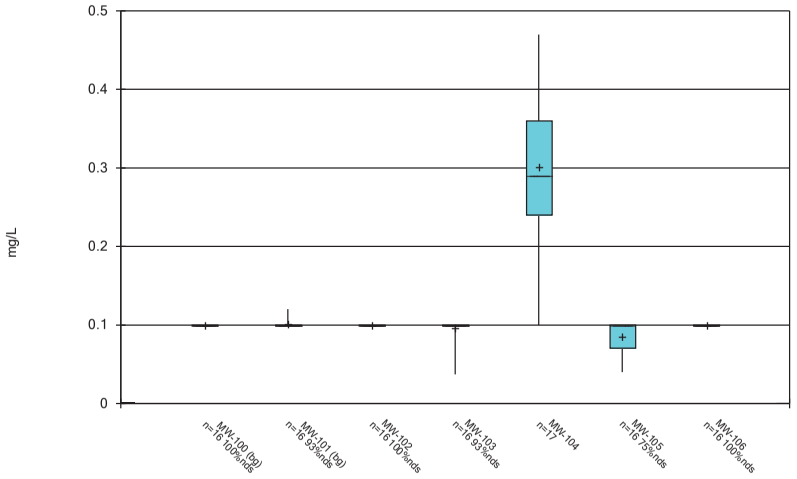
Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Field pH Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

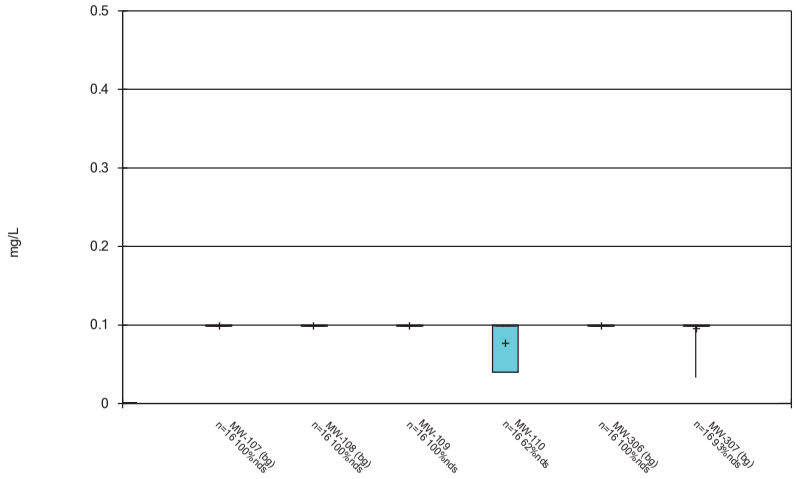
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

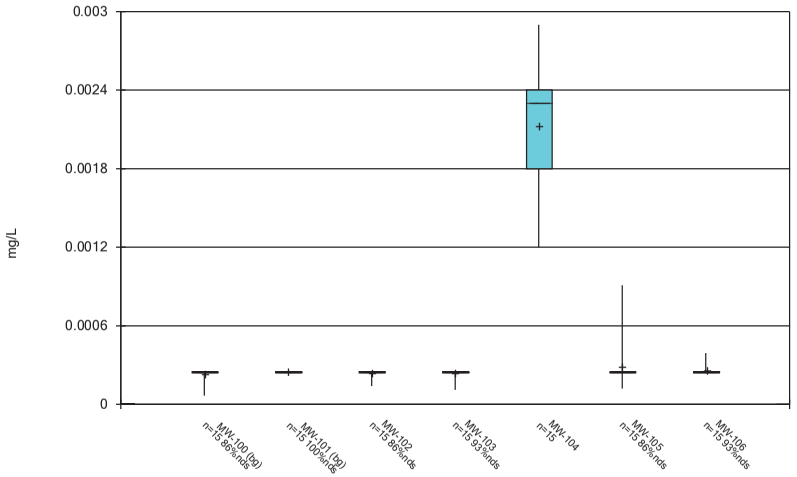
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

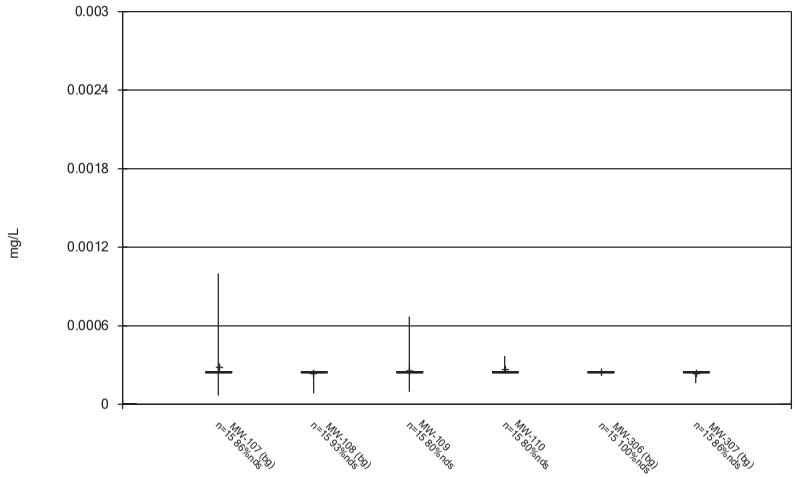
Box & Whiskers Plot



Constituent: Lead Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

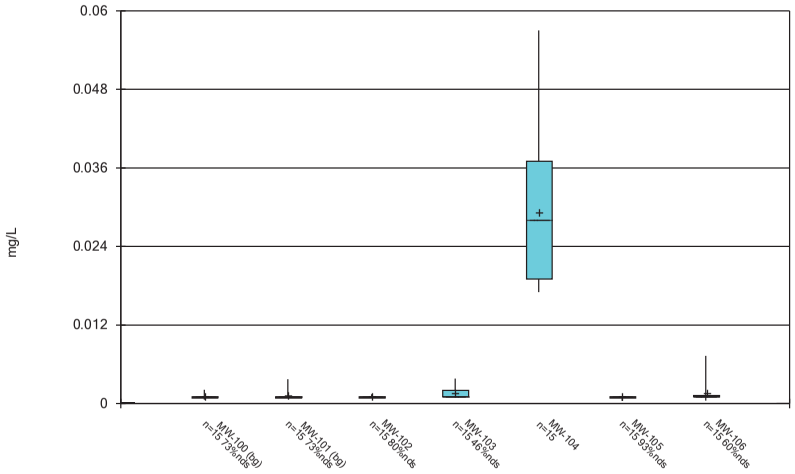
Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Lead Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

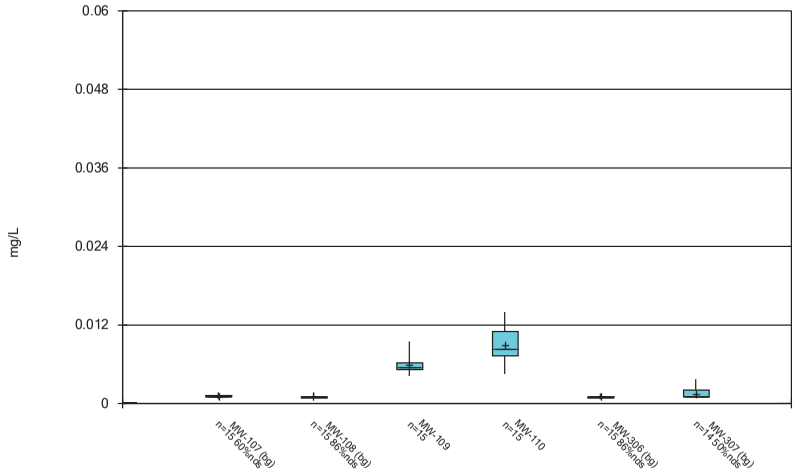
Box & Whiskers Plot



Constituent: Lithium Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

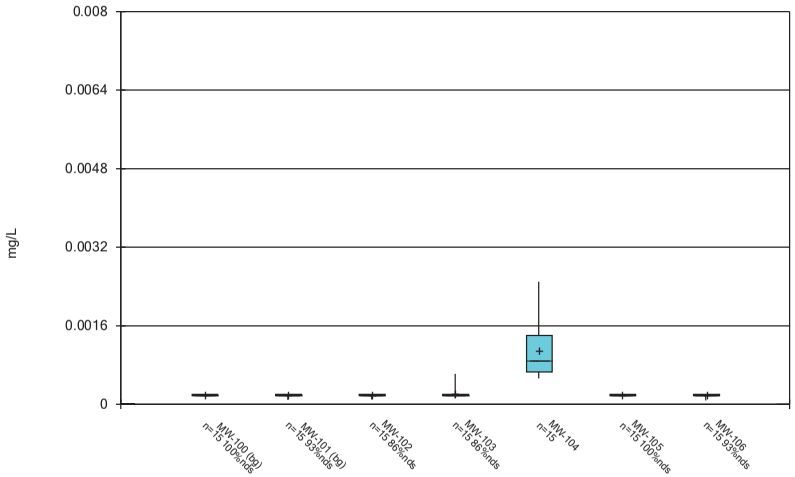
Box & Whiskers Plot



Constituent: Lithium Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

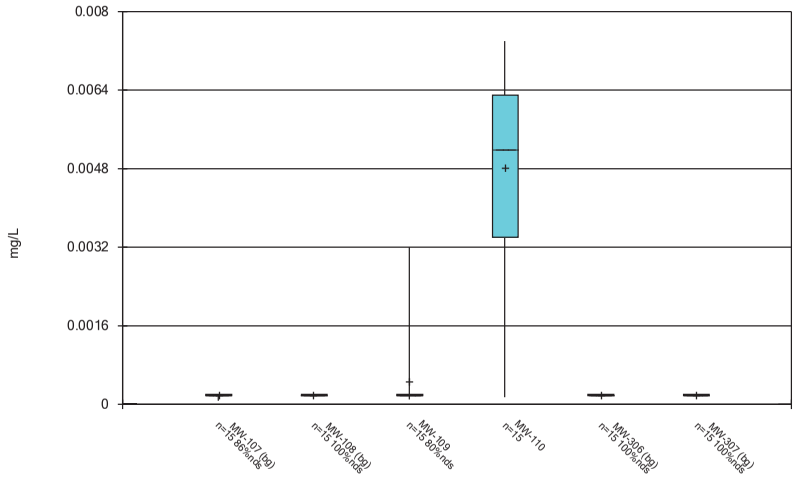
Box & Whiskers Plot



Constituent: Mercury Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

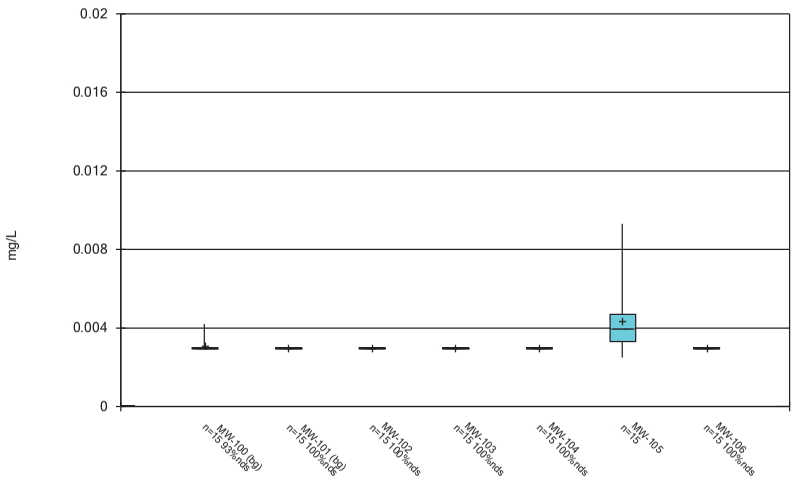
Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Mercury Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

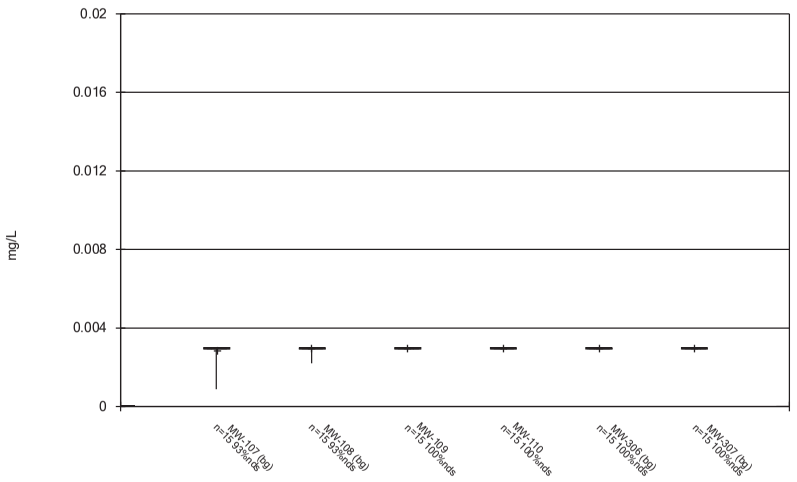
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

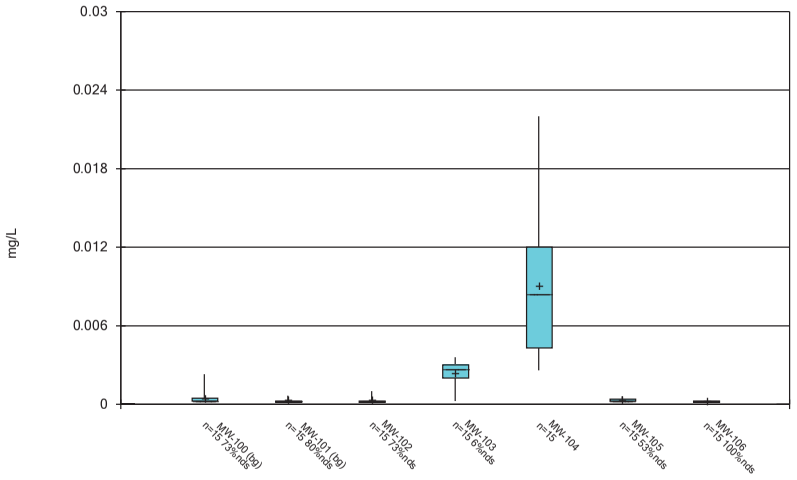
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

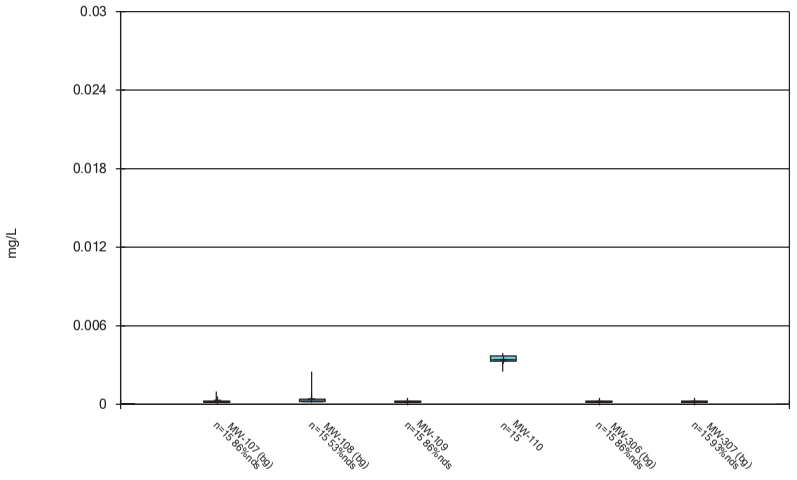
Box & Whiskers Plot



Constituent: Selenium Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

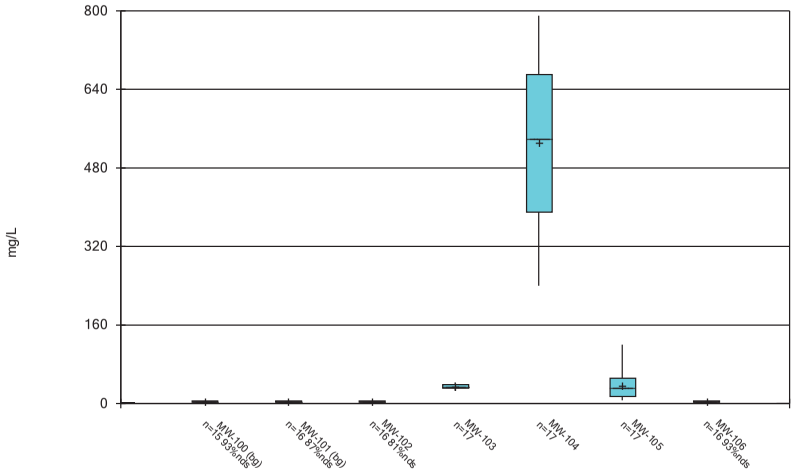
Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Selenium Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

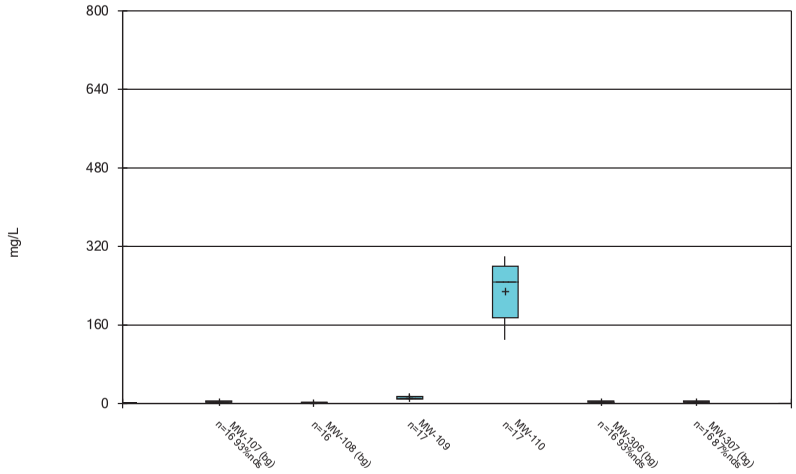
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

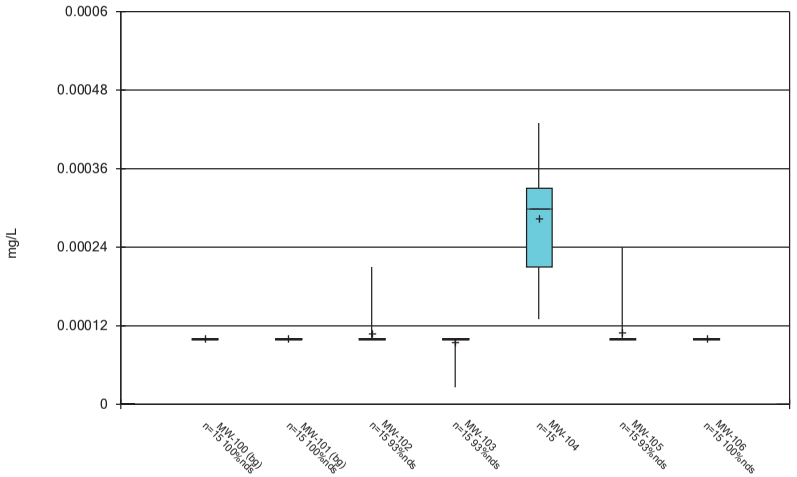
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

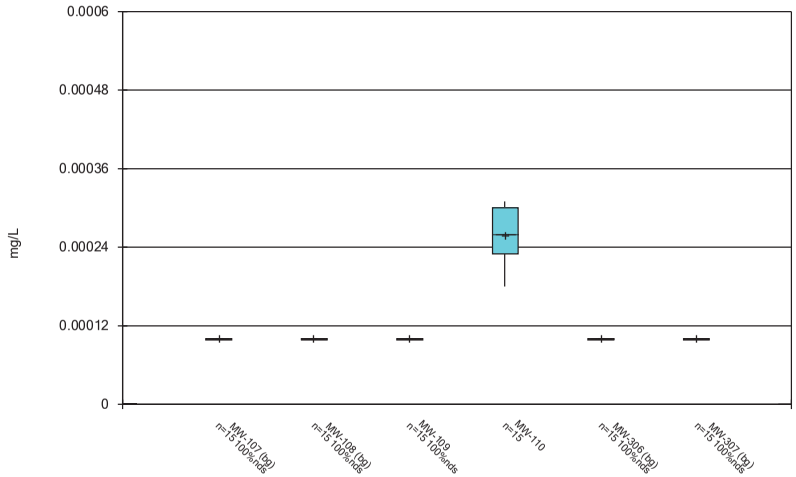
Box & Whiskers Plot



Constituent: Thallium Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

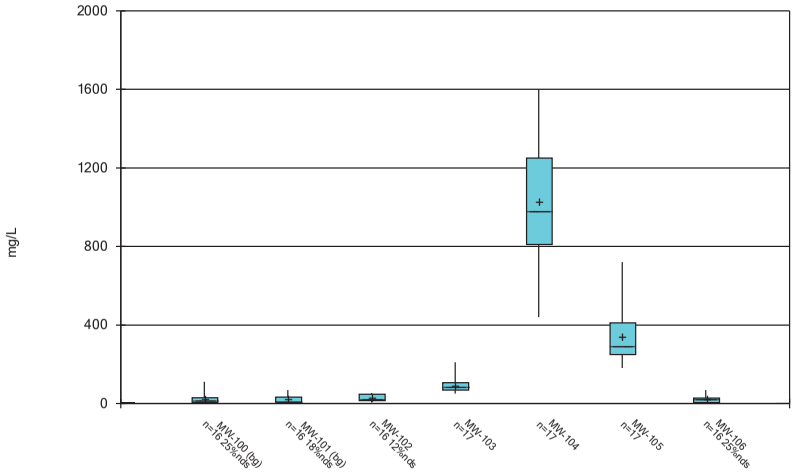
Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Thallium Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

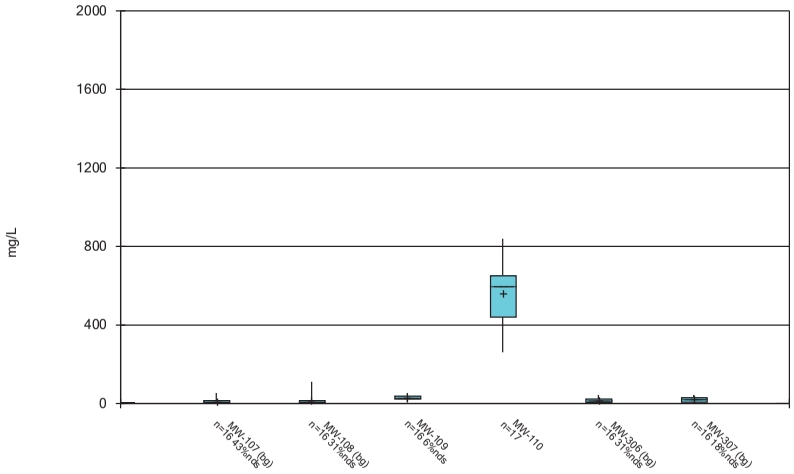
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

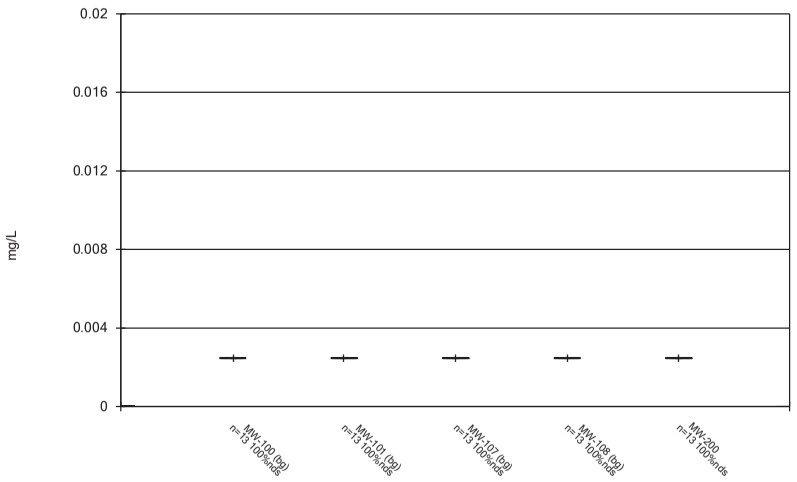
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 6/23/2020 12:24 PM View: 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

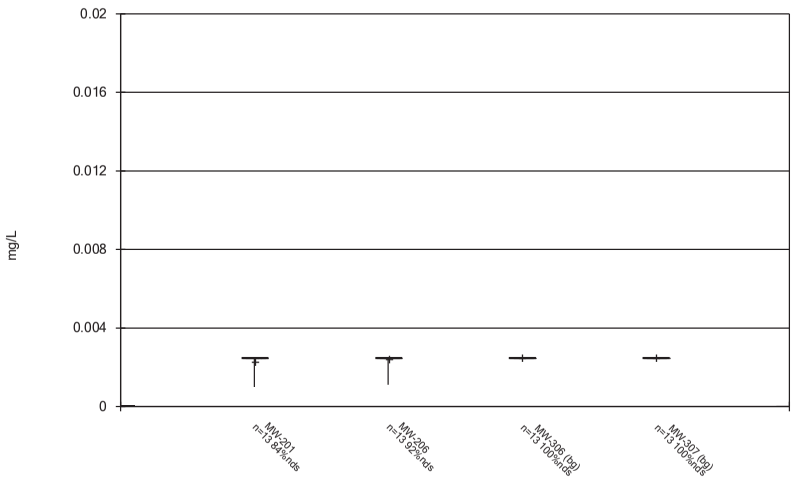
200 Series

Box & Whiskers Plot



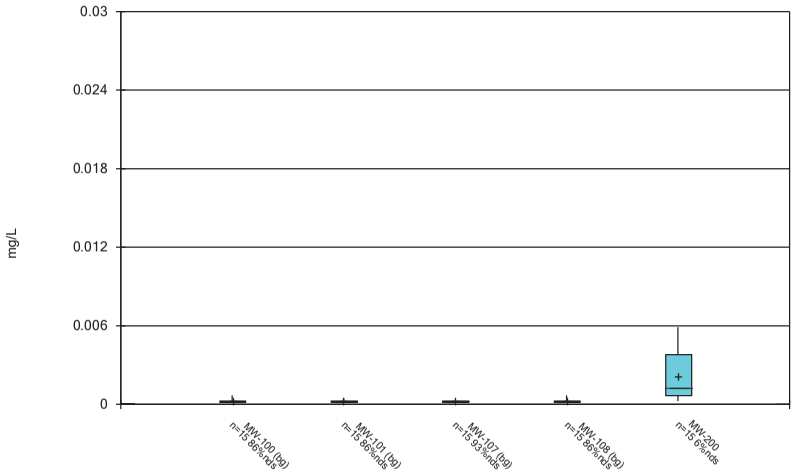
Constituent: Antimony Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Box & Whiskers Plot



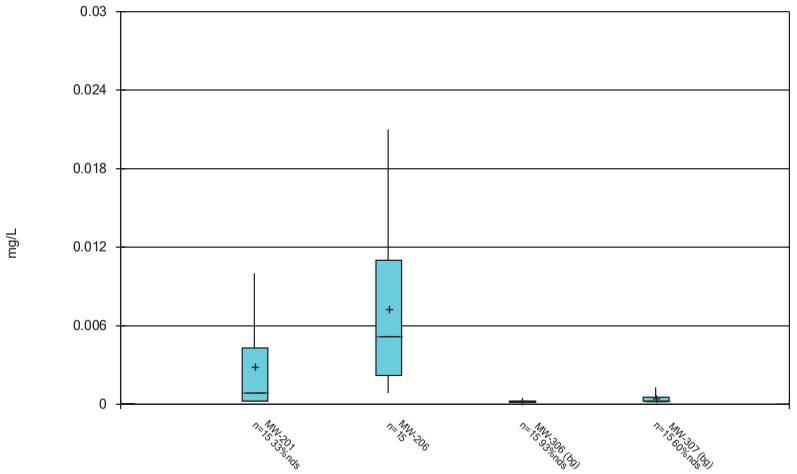
Constituent: Antimony Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Box & Whiskers Plot



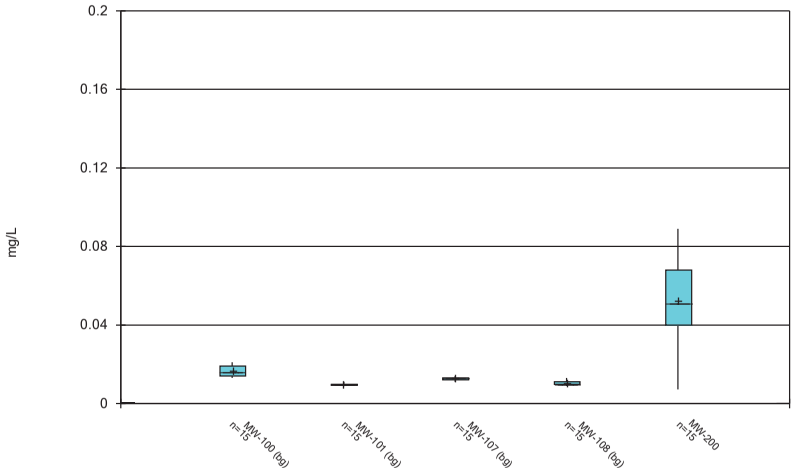
Constituent: Arsenic Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Box & Whiskers Plot



Constituent: Arsenic Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

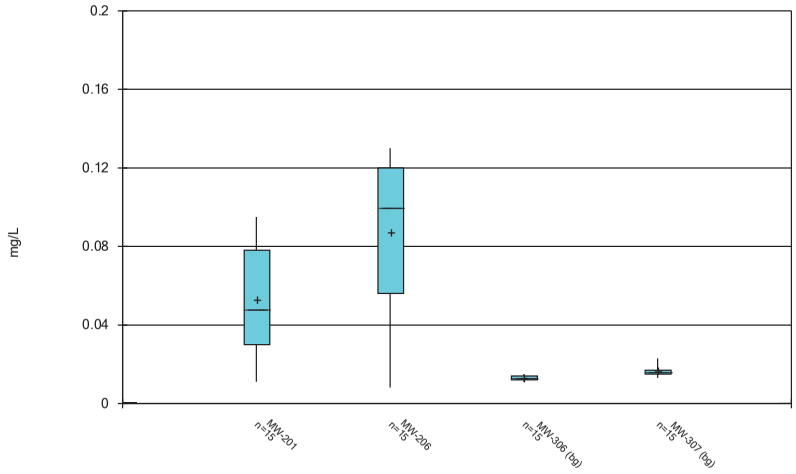
Box & Whiskers Plot



Constituent: Barium Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

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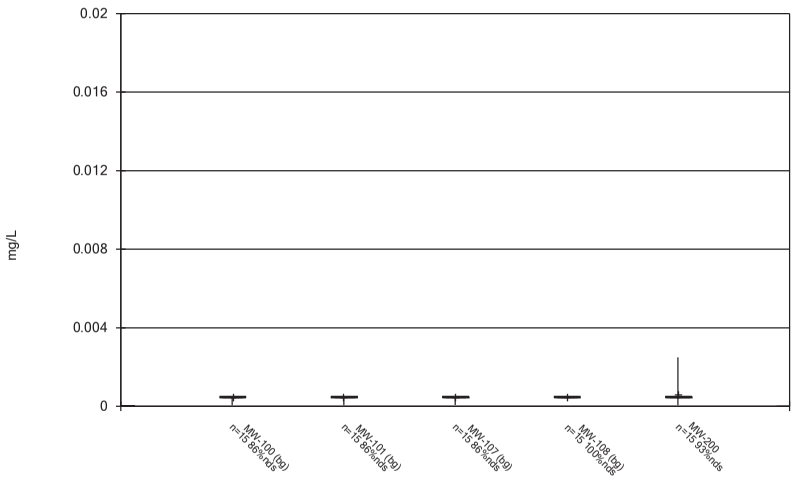
Box & Whiskers Plot



Constituent: Barium Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

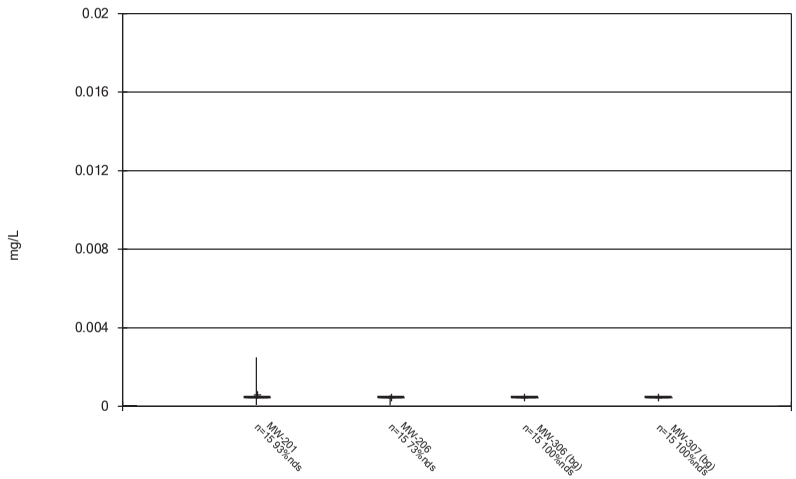
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

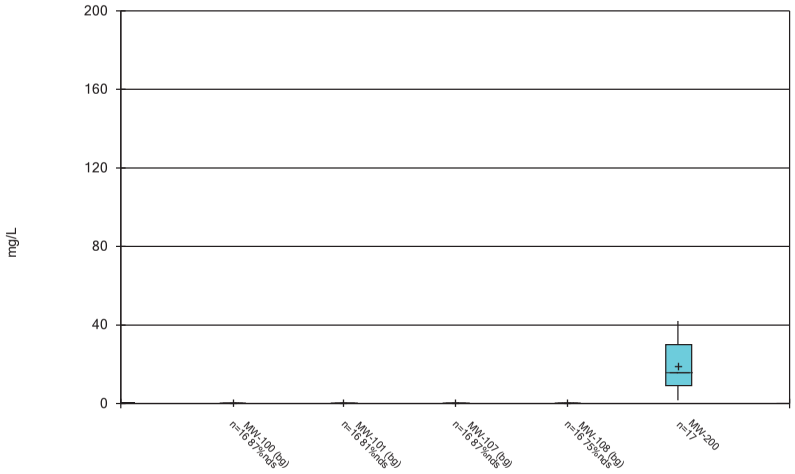
Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Box & Whiskers Plot



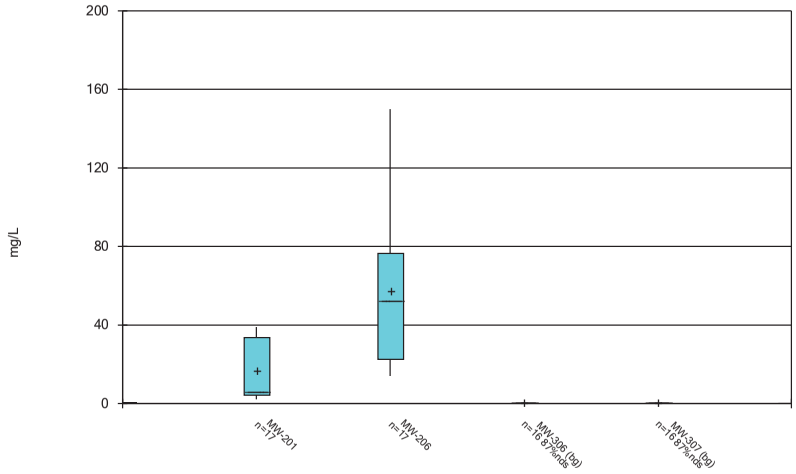
Constituent: Beryllium Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Box & Whiskers Plot



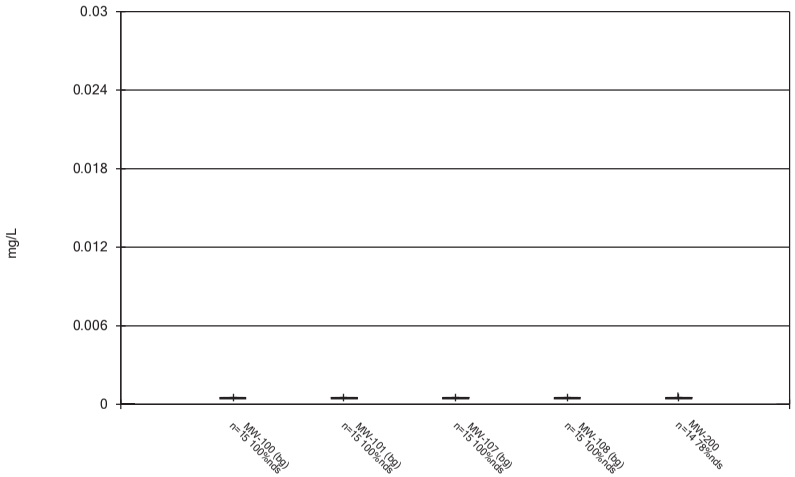
Constituent: Boron Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Box & Whiskers Plot



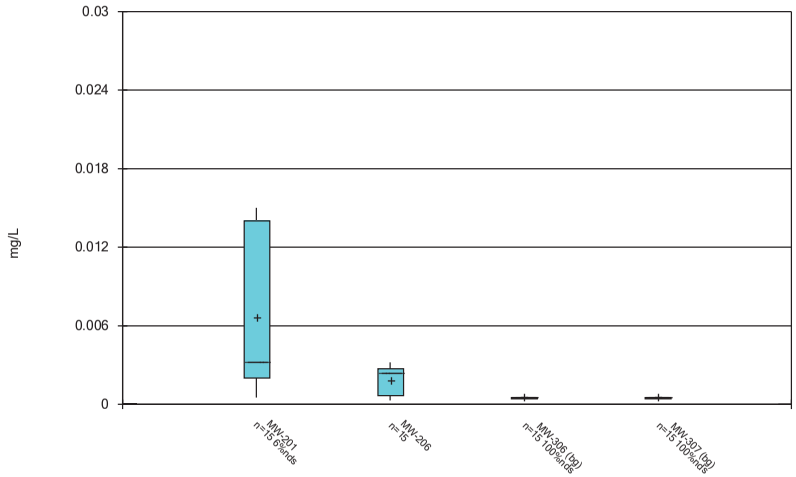
Constituent: Boron Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Box & Whiskers Plot



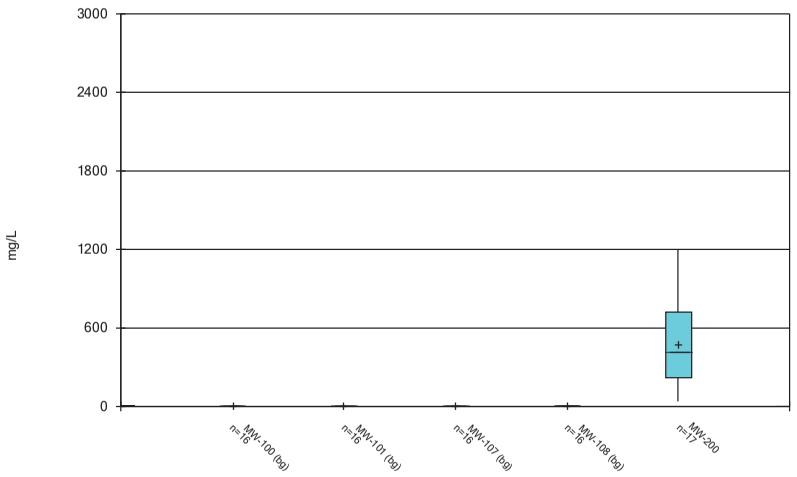
Constituent: Cadmium Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Box & Whiskers Plot



Constituent: Cadmium Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

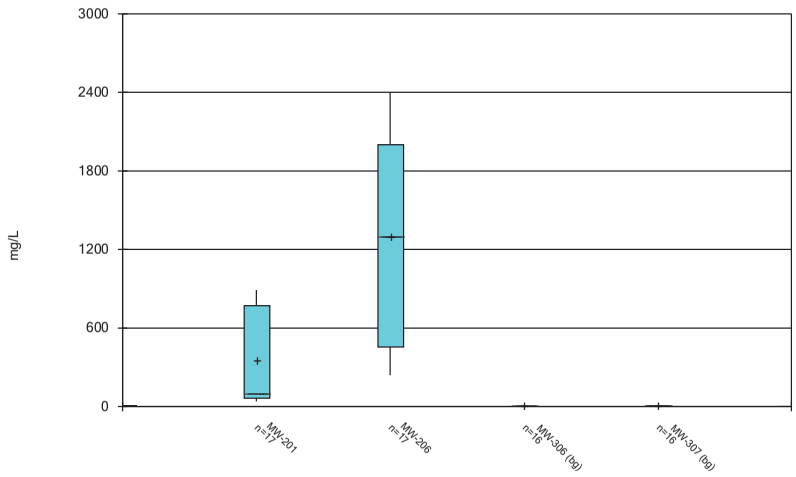
Box & Whiskers Plot



Constituent: Calcium Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

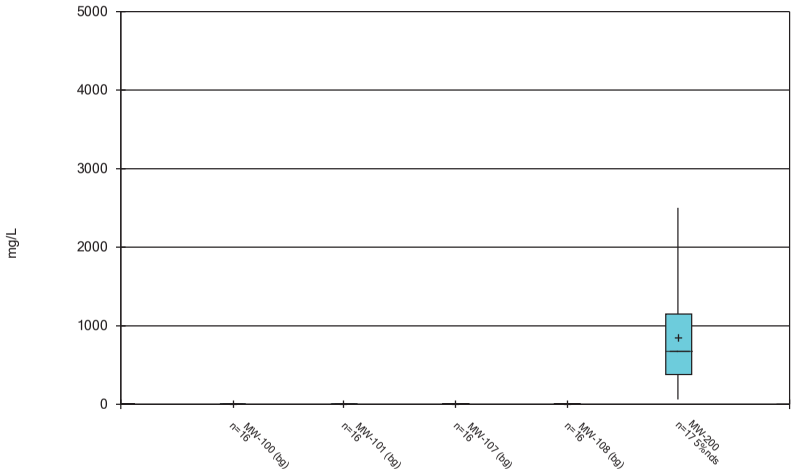
Box & Whiskers Plot



Constituent: Calcium Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

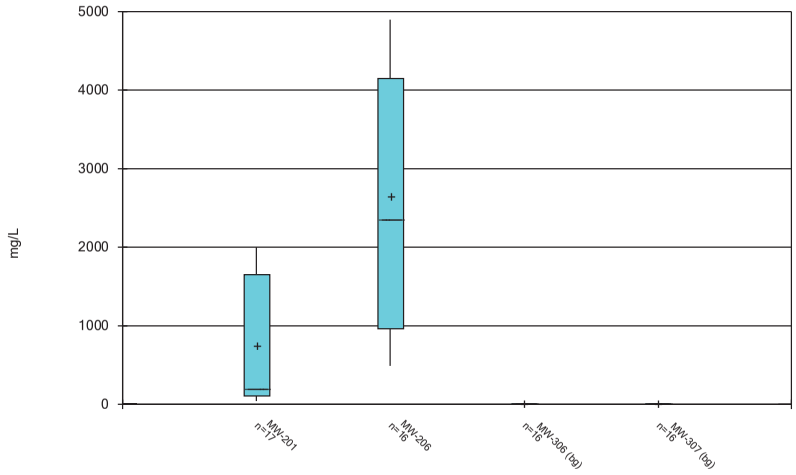
Box & Whiskers Plot



Constituent: Chloride Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

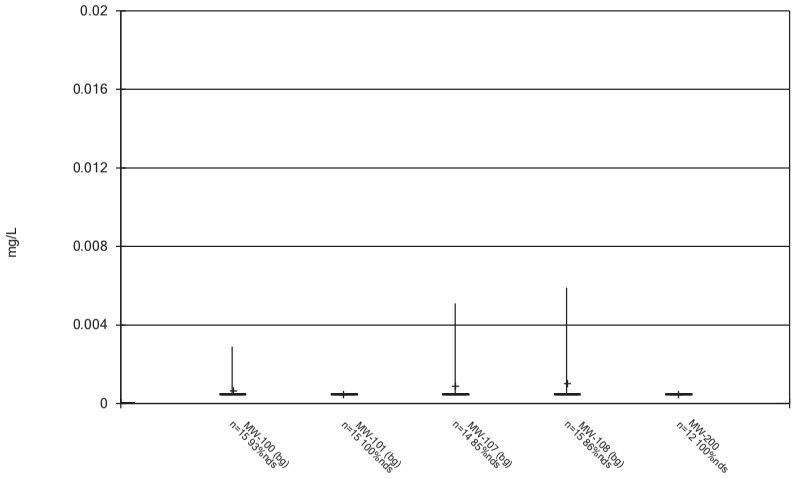
Box & Whiskers Plot



Constituent: Chloride Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

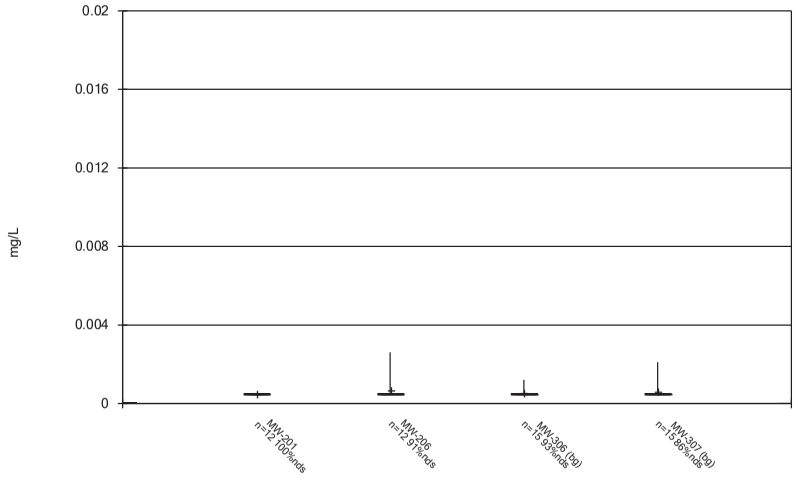
Box & Whiskers Plot



Constituent: Chromium Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

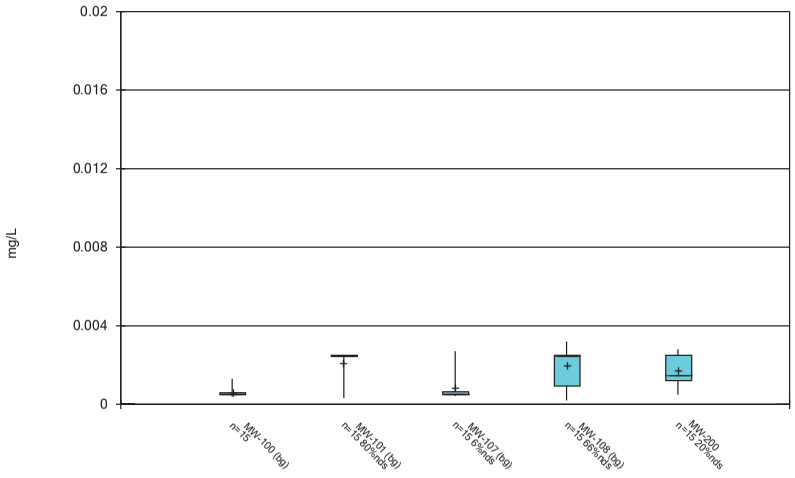
Box & Whiskers Plot



Constituent: Chromium Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

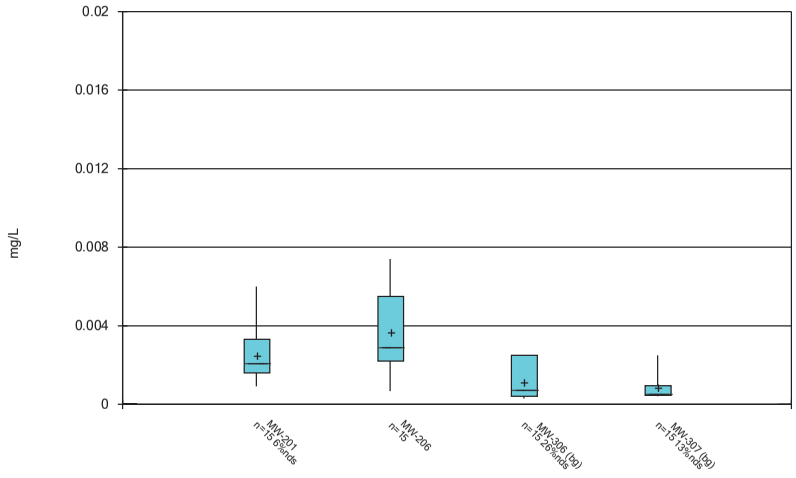
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

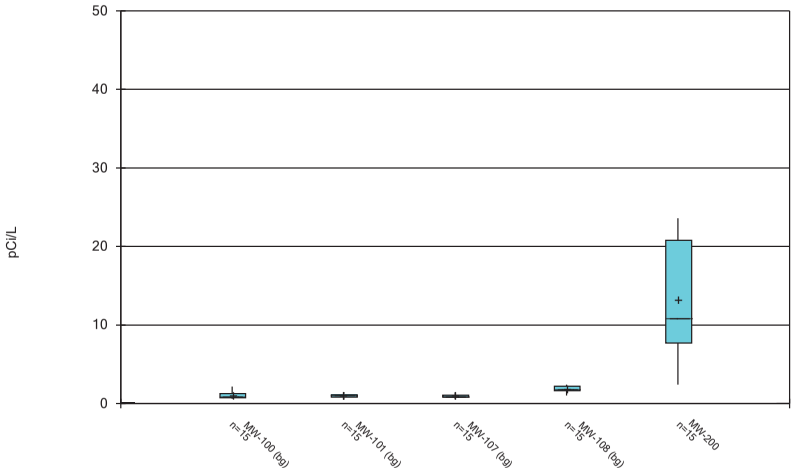
Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Cobalt Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

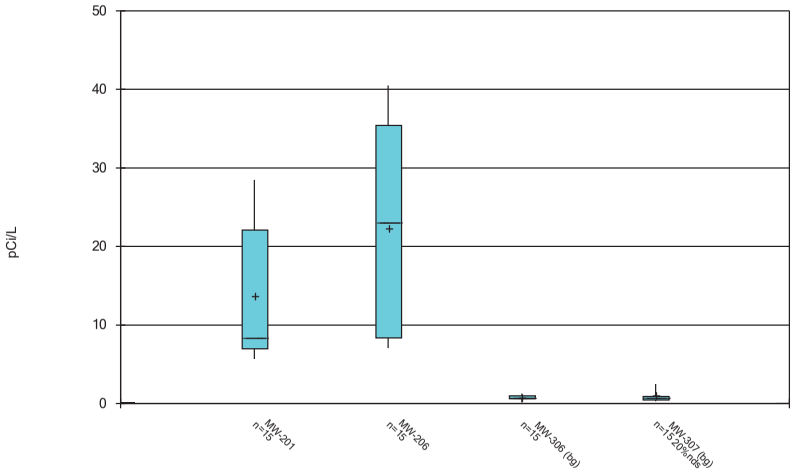
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

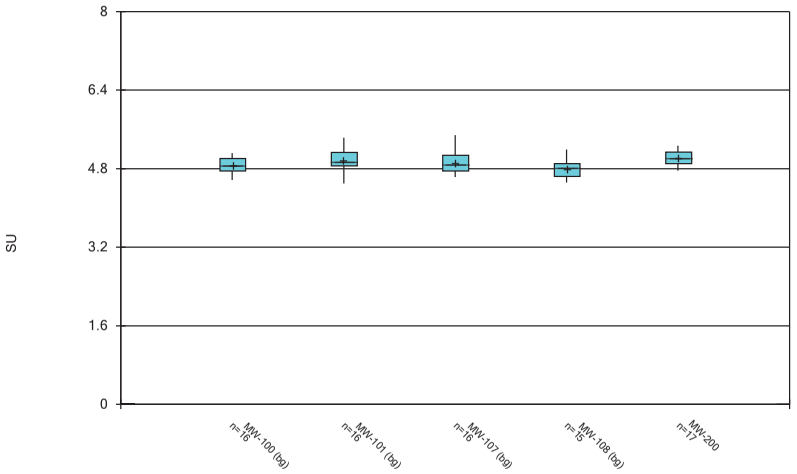
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

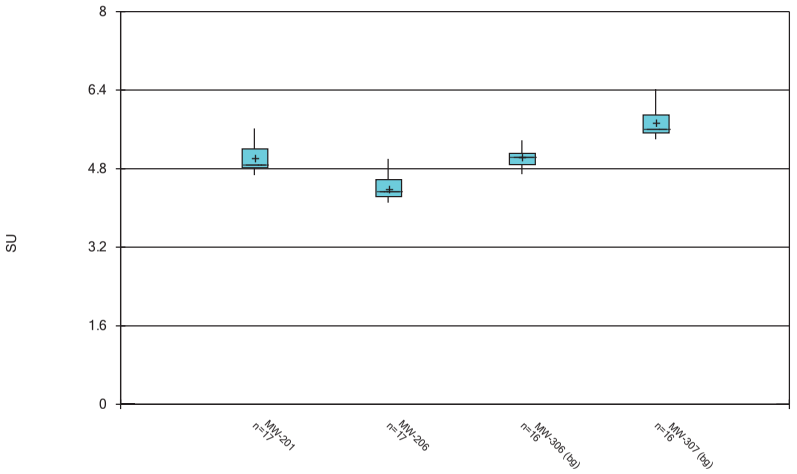
Box & Whiskers Plot



Constituent: Field pH Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

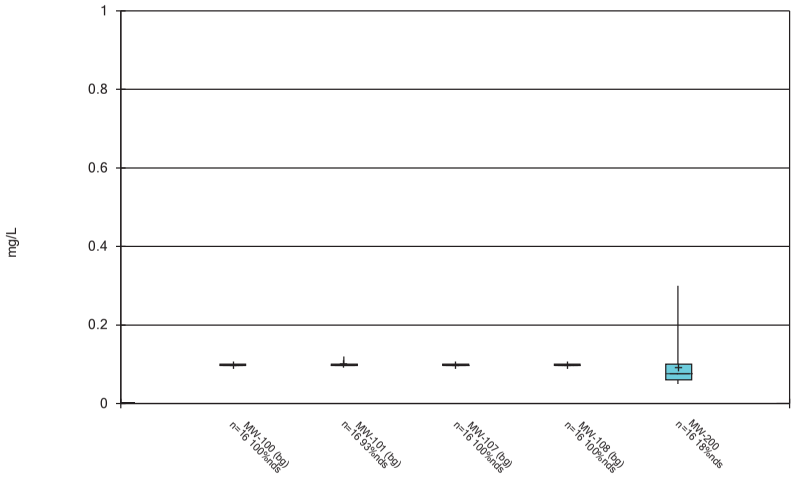
Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Field pH Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

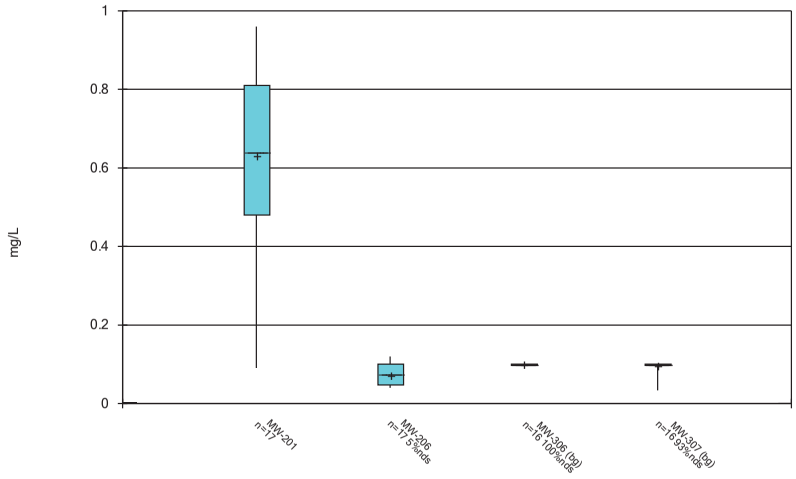
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

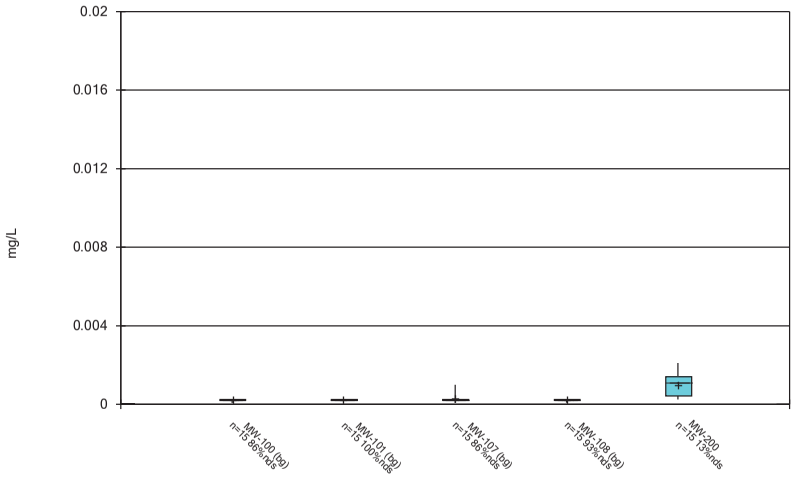
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

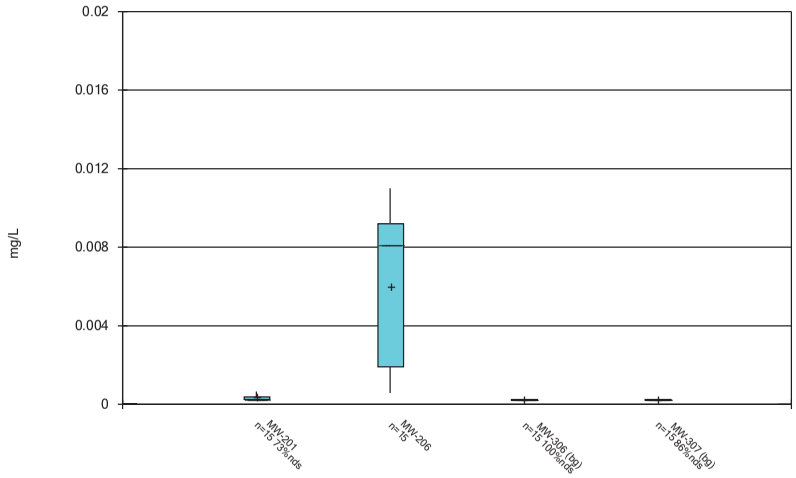
Box & Whiskers Plot



Constituent: Lead Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

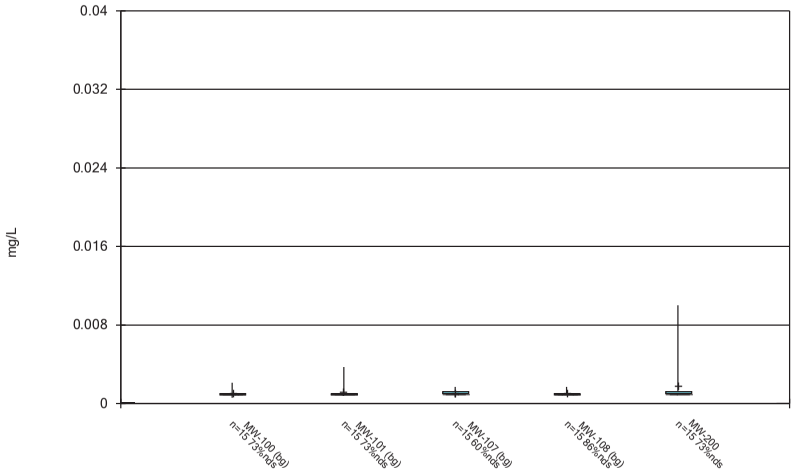
Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Box & Whiskers Plot



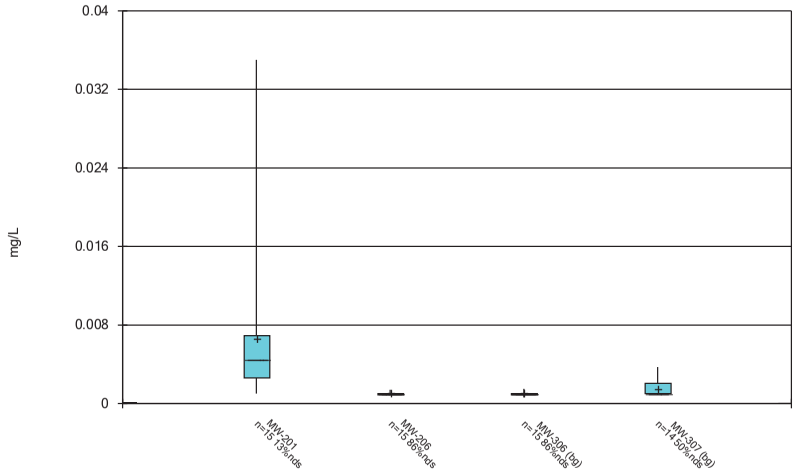
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Plant Crist Client: Gulf Power Data: Plant Crist CCR

Box & Whiskers Plot



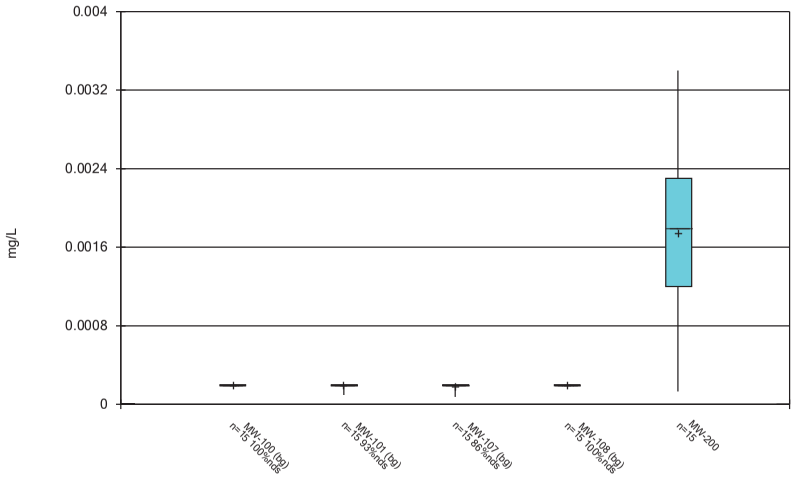
Constituent: Lithium Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Box & Whiskers Plot



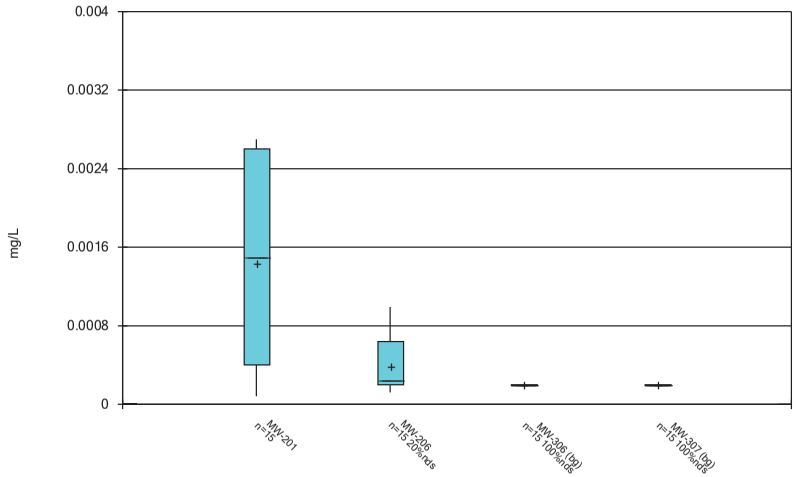
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Plant Crist Client: Gulf Power Data: Plant Crist CCR

Box & Whiskers Plot



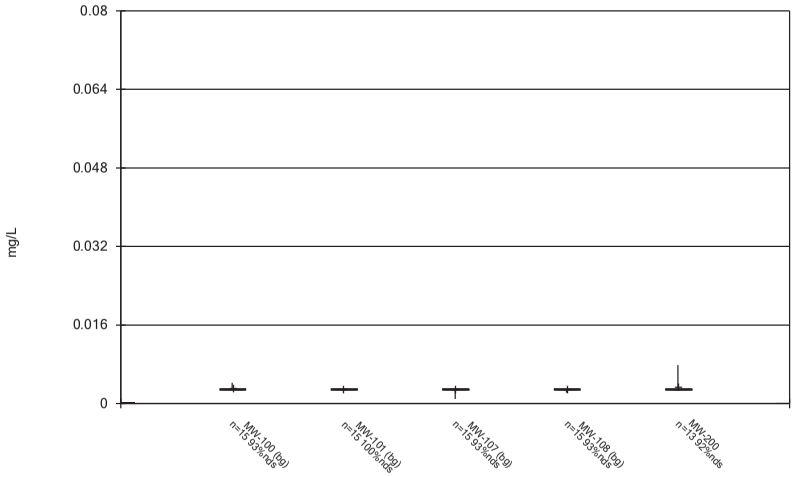
Constituent: Mercury Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Box & Whiskers Plot



Constituent: Mercury Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

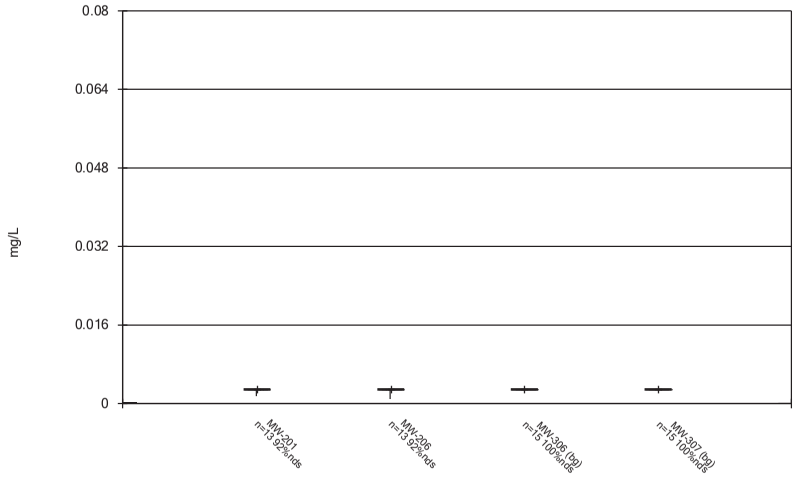
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

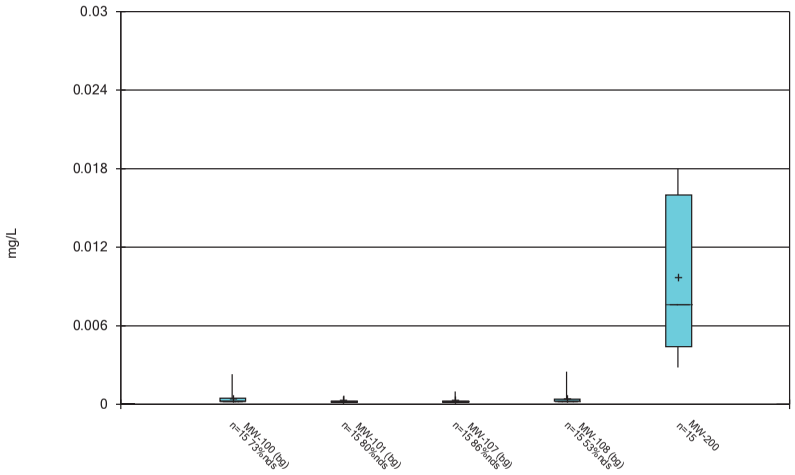
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

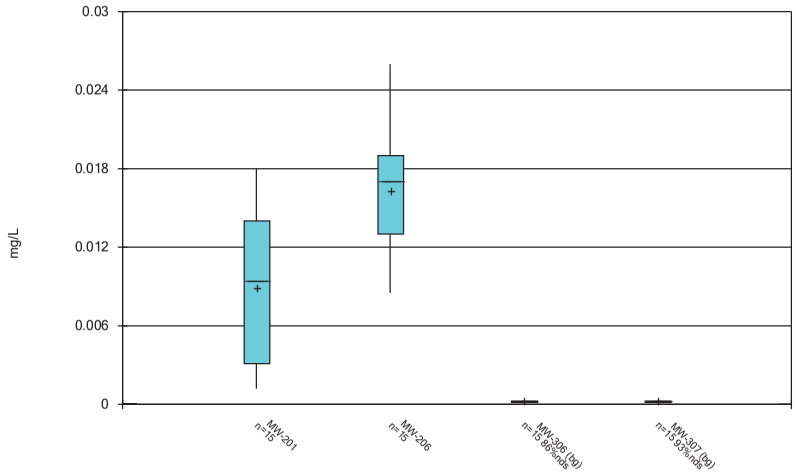
Box & Whiskers Plot



Constituent: Selenium Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

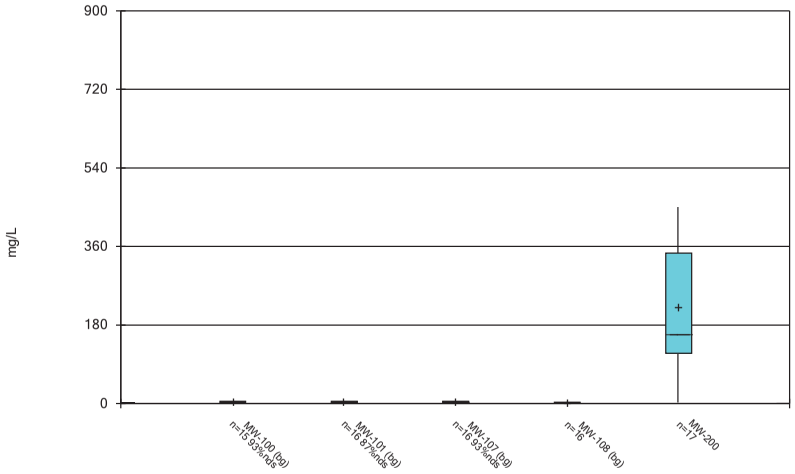
Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Selenium Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

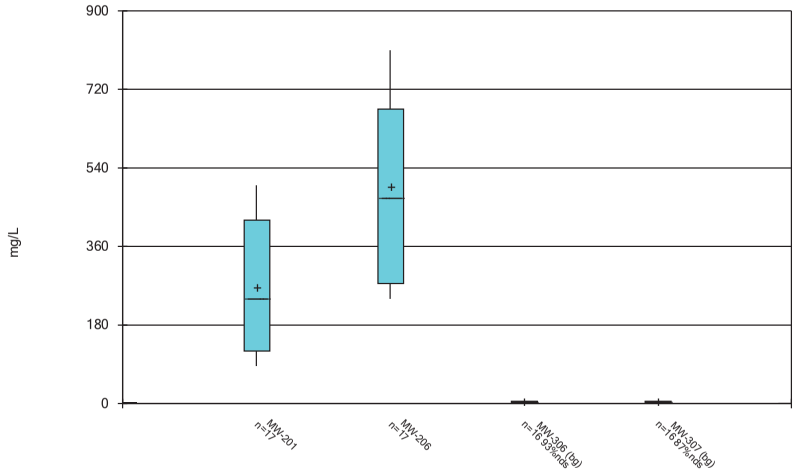
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

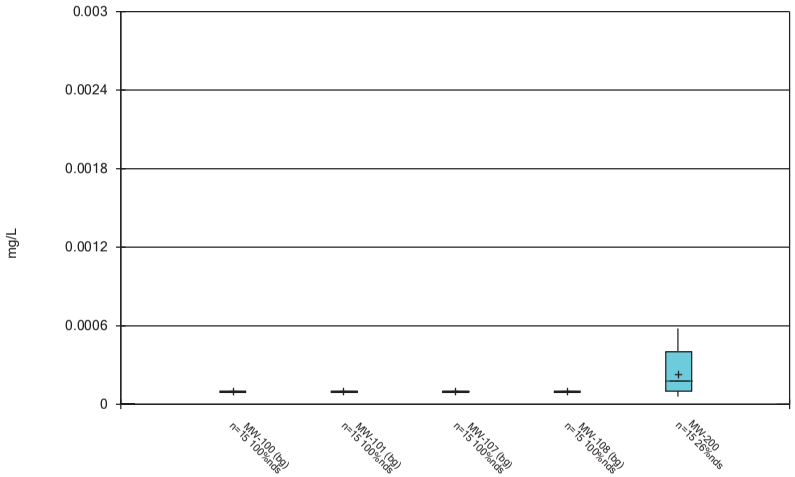
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

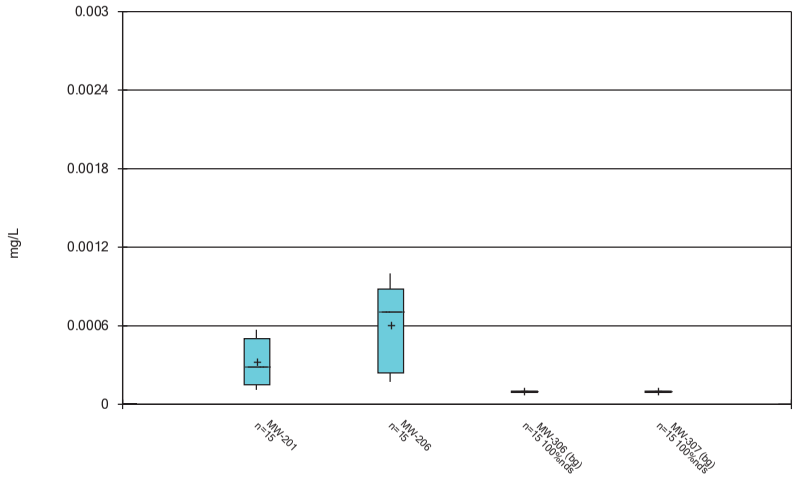
Box & Whiskers Plot



Constituent: Thallium Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

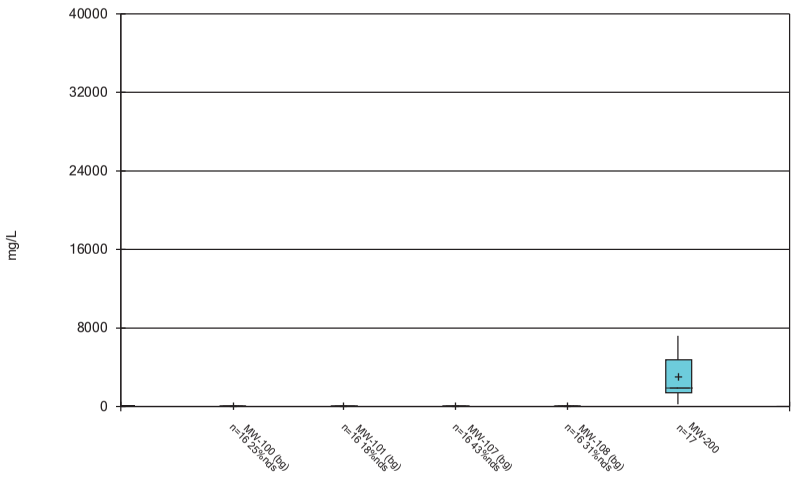
Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Thallium Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

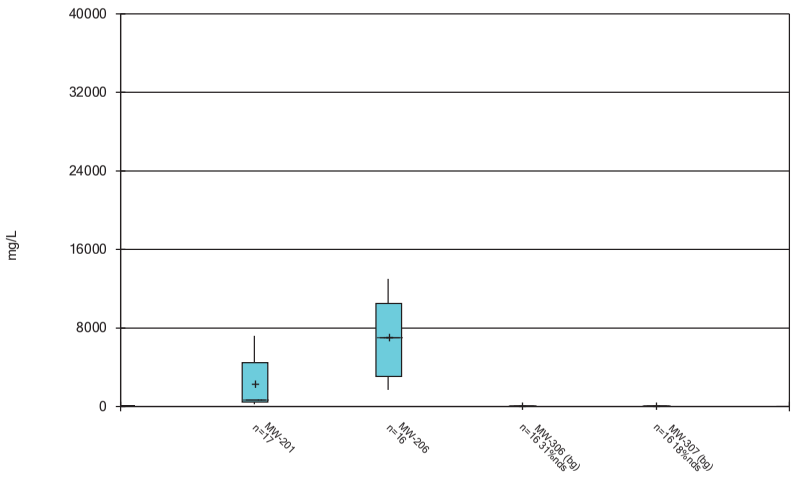
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

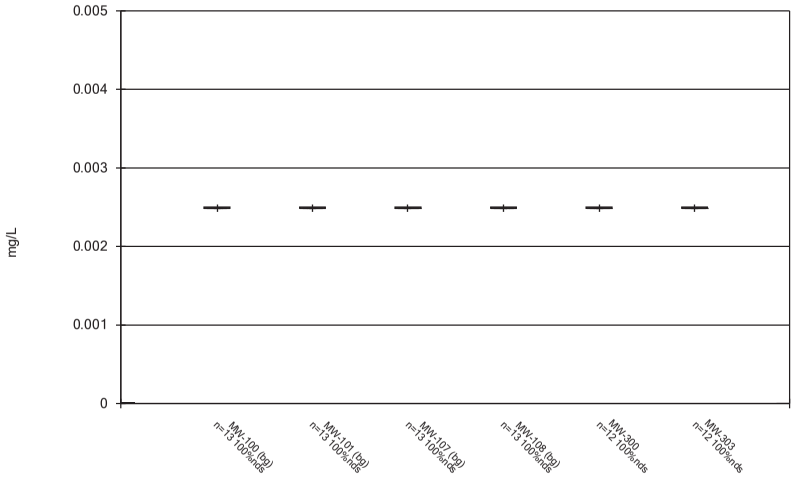
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 6/23/2020 12:42 PM View: 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

300 Series

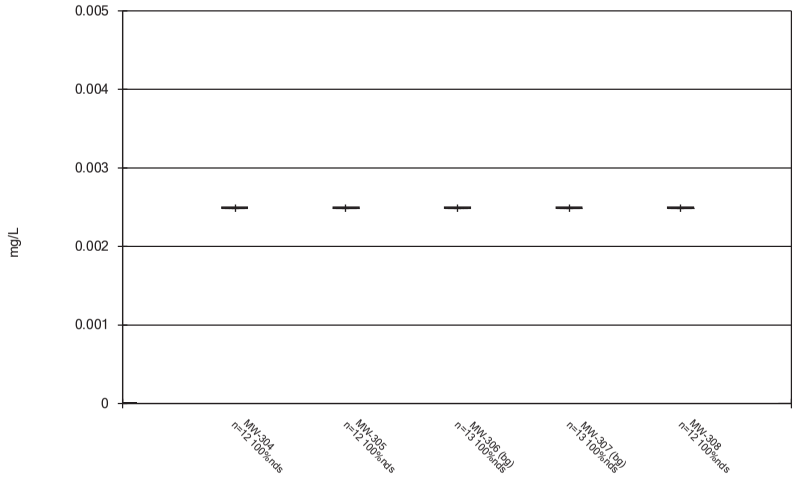
Box & Whiskers Plot



Constituent: Antimony Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

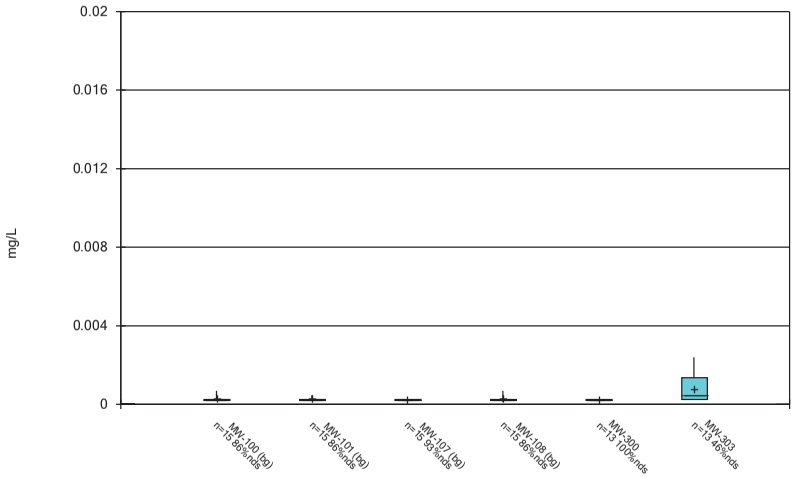
Box & Whiskers Plot



Constituent: Antimony Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

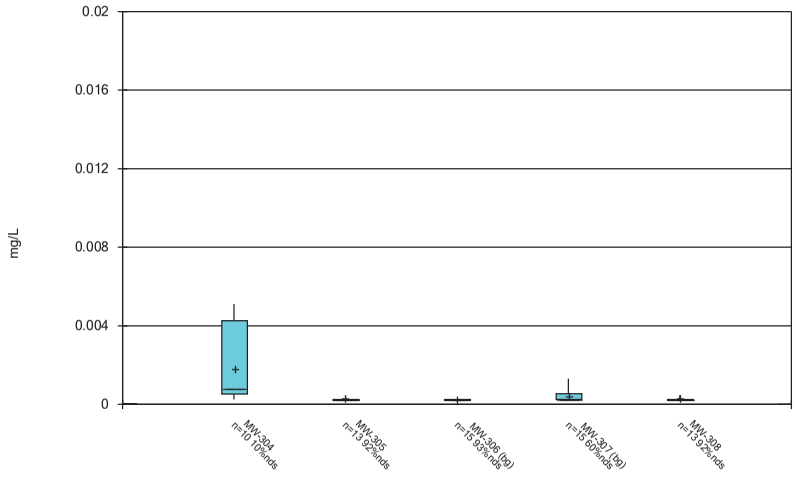
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

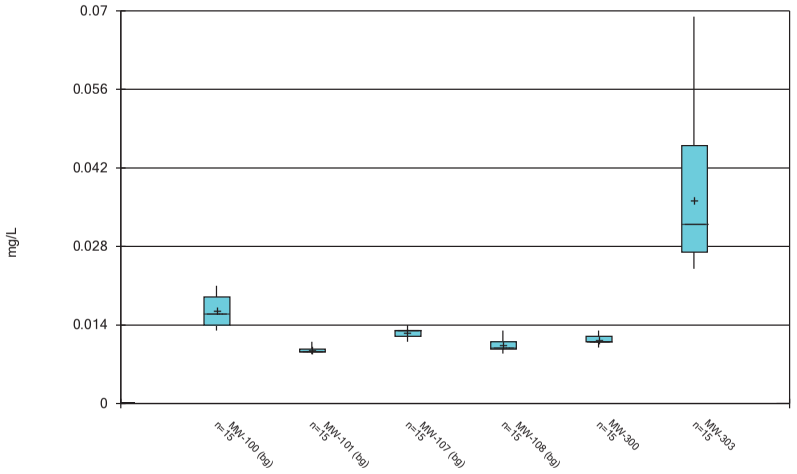
Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Arsenic Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

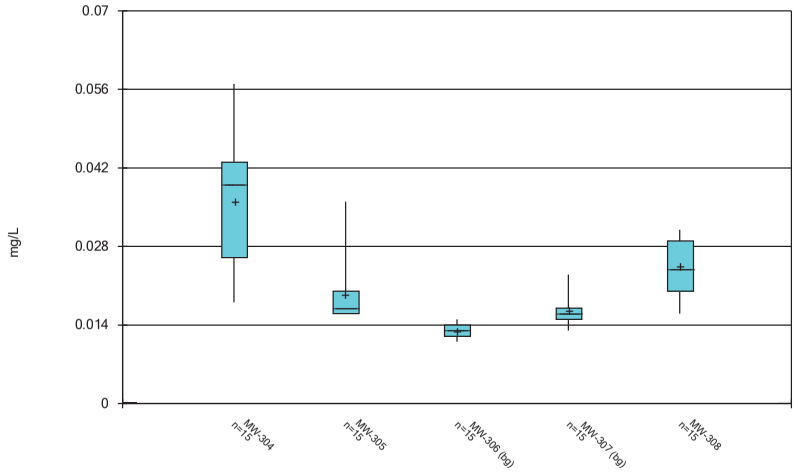
Box & Whiskers Plot



Constituent: Barium Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

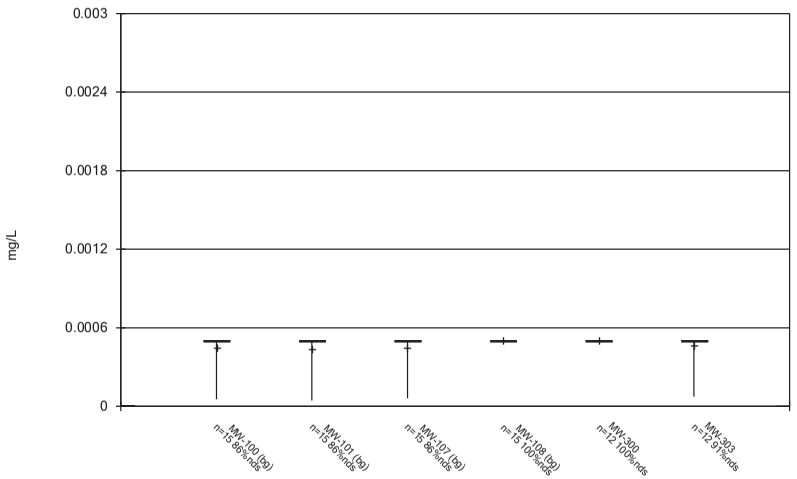
Box & Whiskers Plot



Constituent: Barium Analysis Run 6/25/2020 9:22 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

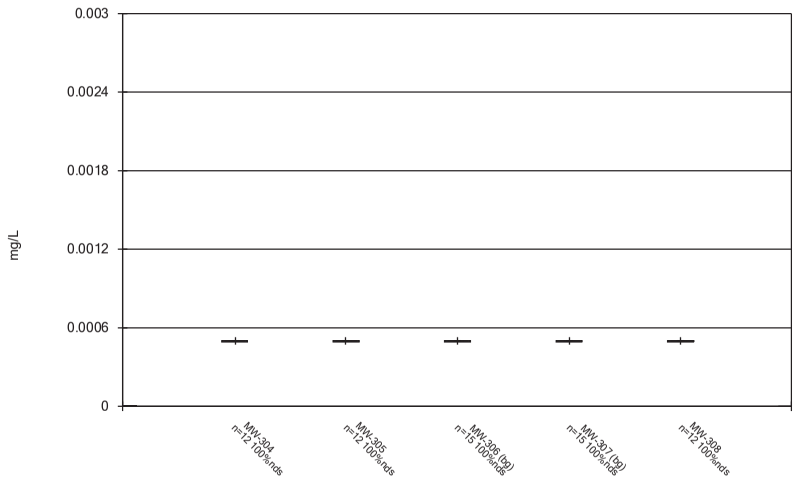
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 6/25/2020 9:23 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

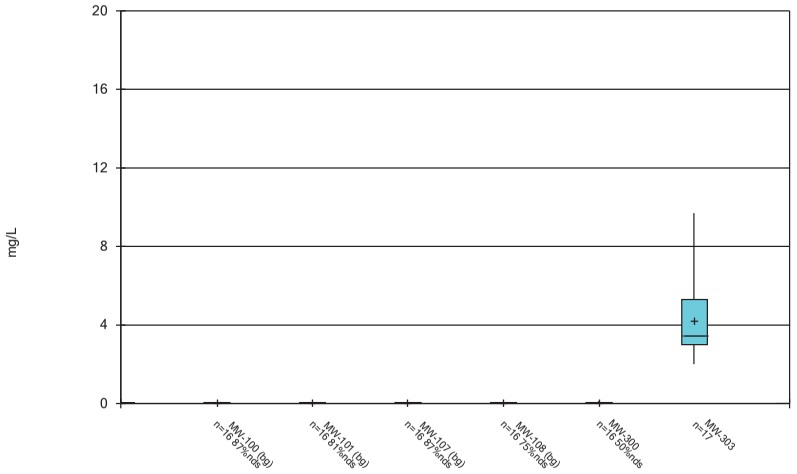
Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Box & Whiskers Plot



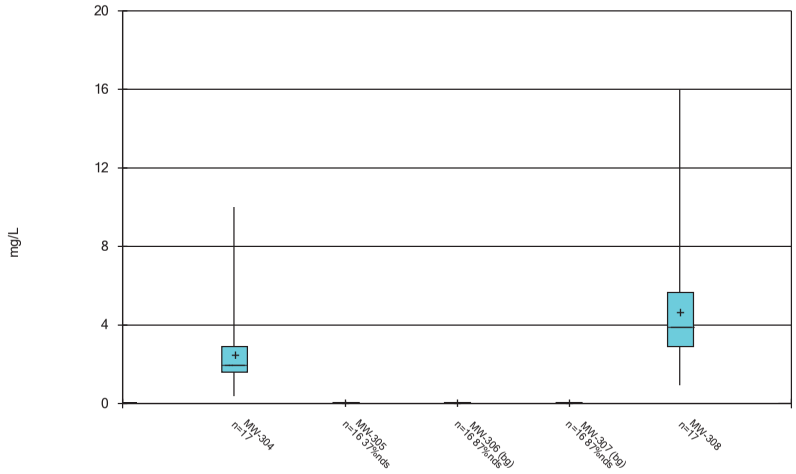
Constituent: Beryllium Analysis Run 6/25/2020 9:23 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Box & Whiskers Plot



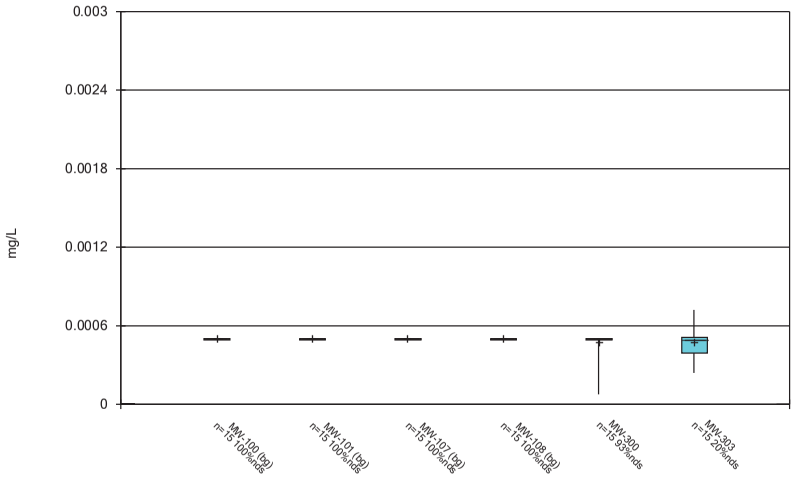
Constituent: Boron Analysis Run 6/25/2020 9:23 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Box & Whiskers Plot



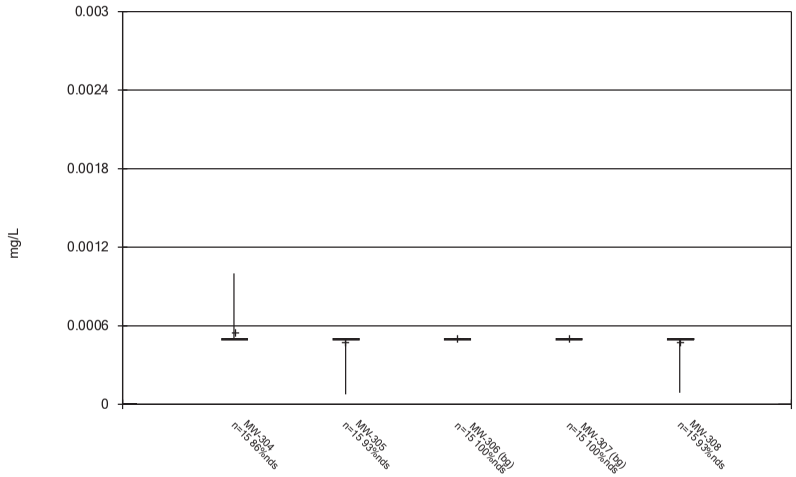
Constituent: Boron Analysis Run 6/25/2020 9:23 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Box & Whiskers Plot



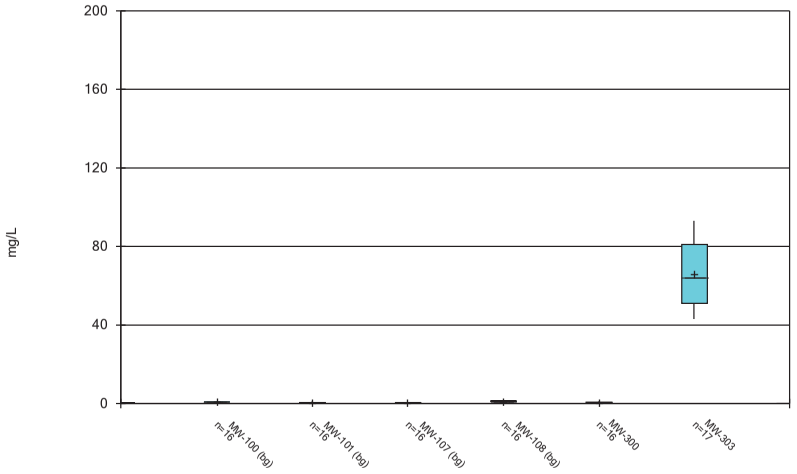
Constituent: Cadmium Analysis Run 6/25/2020 9:23 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Box & Whiskers Plot



Constituent: Cadmium Analysis Run 6/25/2020 9:23 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

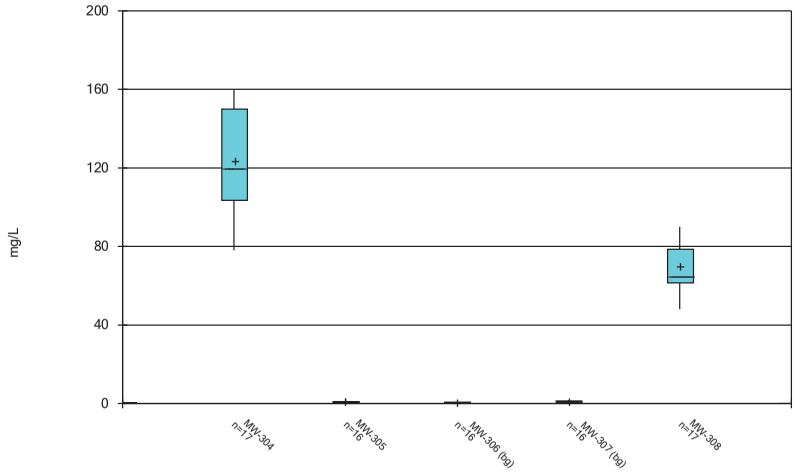
Box & Whiskers Plot



Constituent: Calcium Analysis Run 6/25/2020 9:23 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

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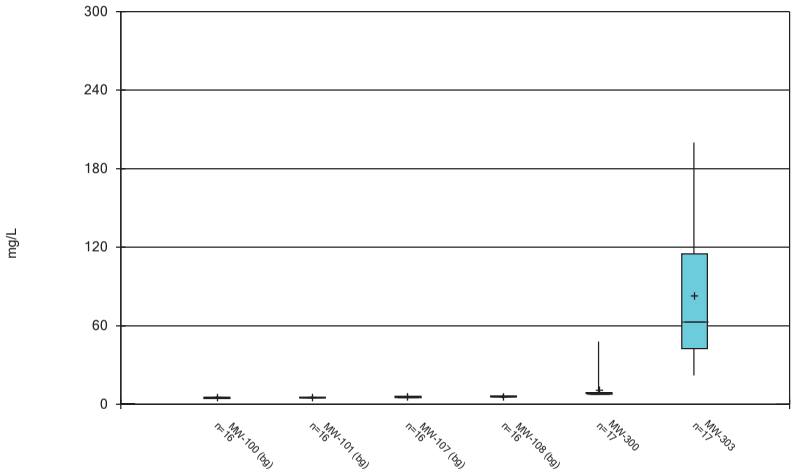
Box & Whiskers Plot



Constituent: Calcium Analysis Run 6/25/2020 9:23 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

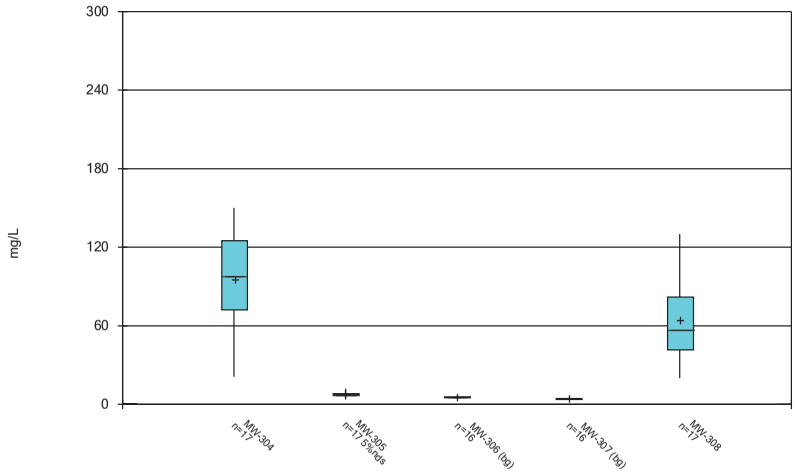
Box & Whiskers Plot



Constituent: Chloride Analysis Run 6/25/2020 9:23 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

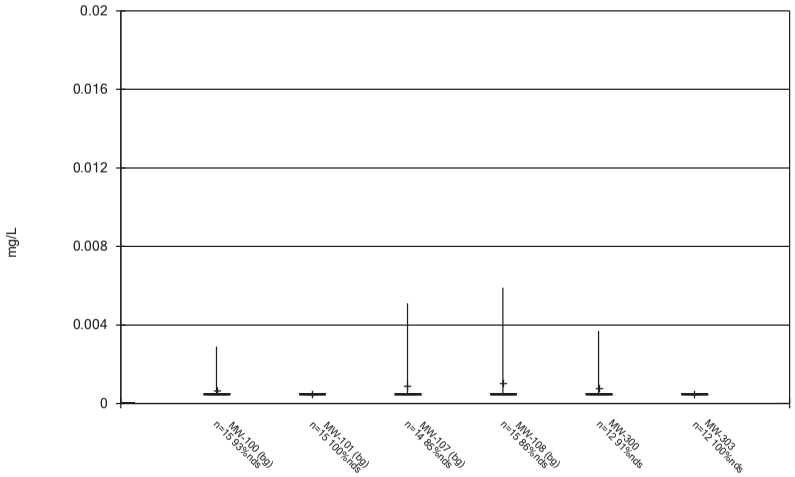
Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Chloride Analysis Run 6/25/2020 9:23 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

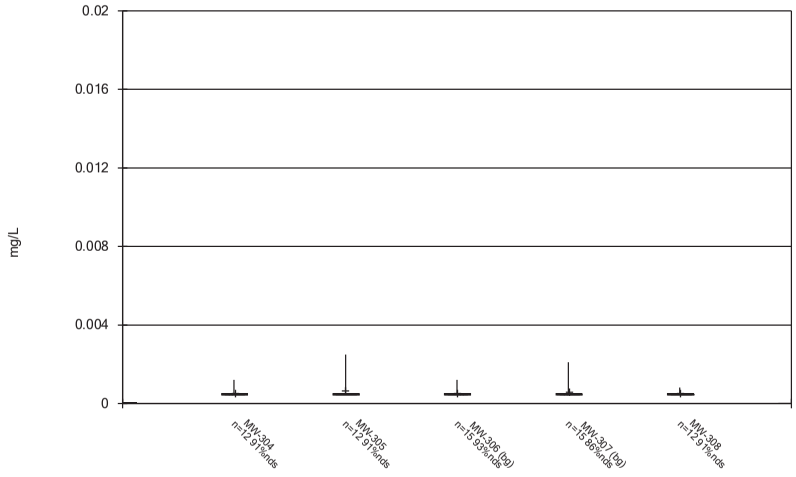
Box & Whiskers Plot



Constituent: Chromium Analysis Run 6/25/2020 9:23 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

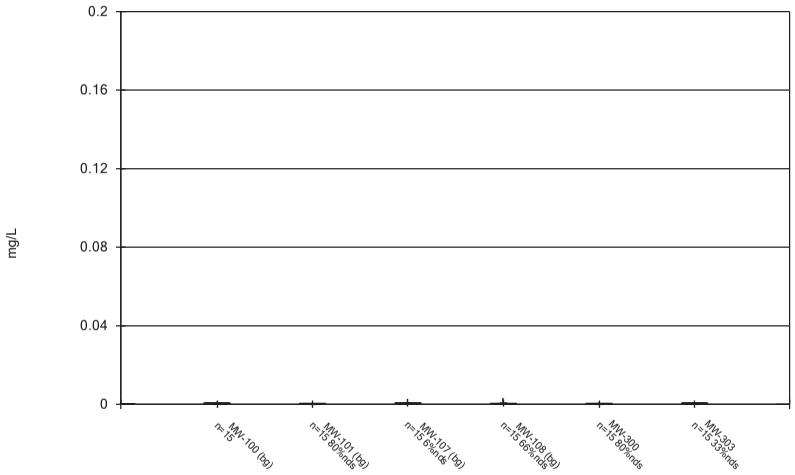
Box & Whiskers Plot



Constituent: Chromium Analysis Run 6/25/2020 9:23 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

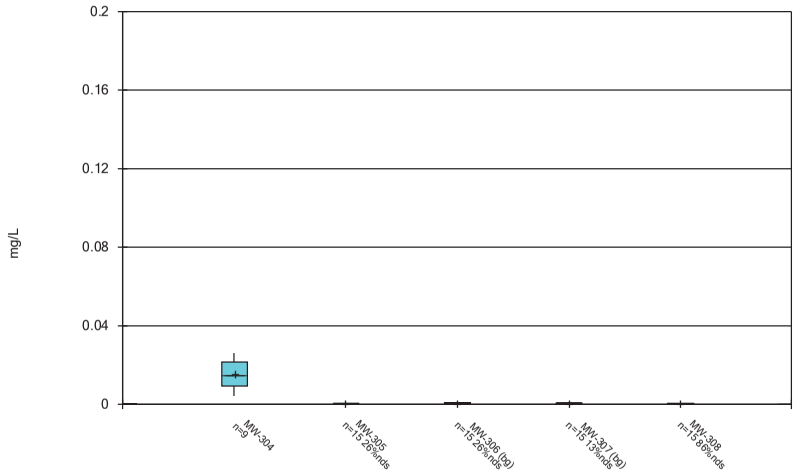
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 6/25/2020 9:23 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

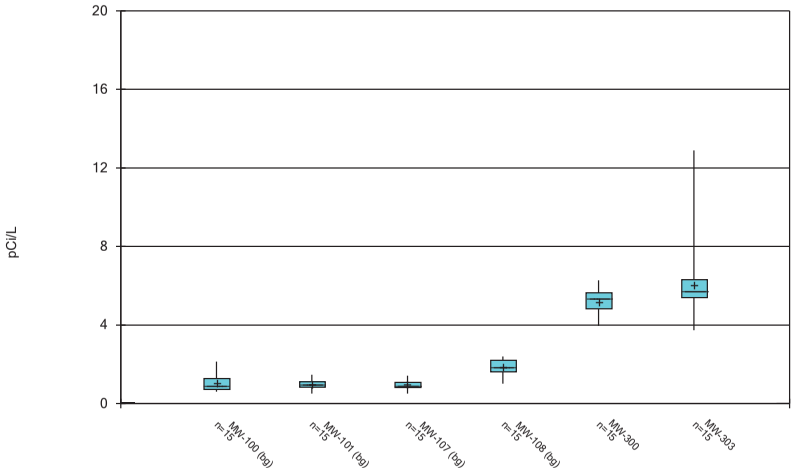
Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Cobalt Analysis Run 6/25/2020 9:23 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

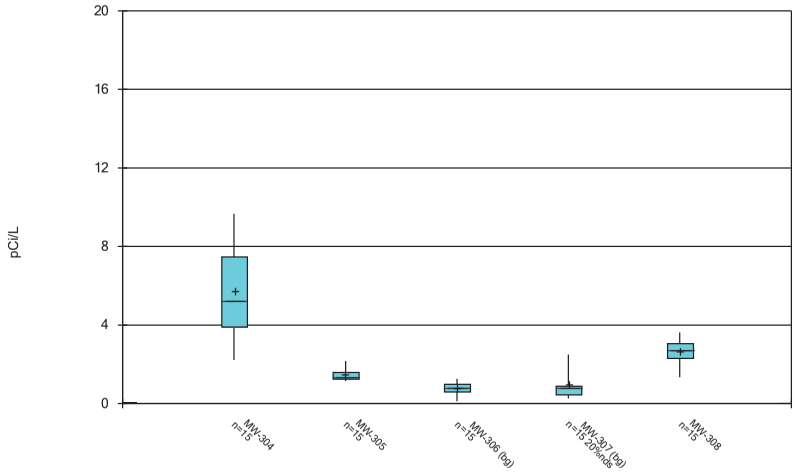
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 6/25/2020 9:23 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

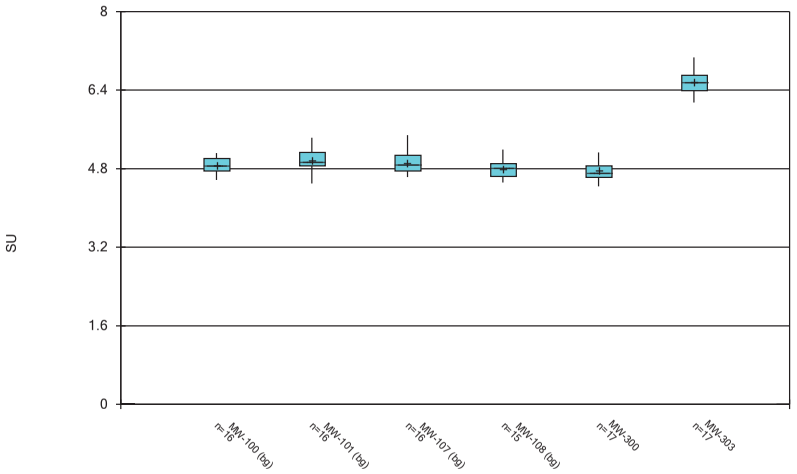
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 6/25/2020 9:23 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

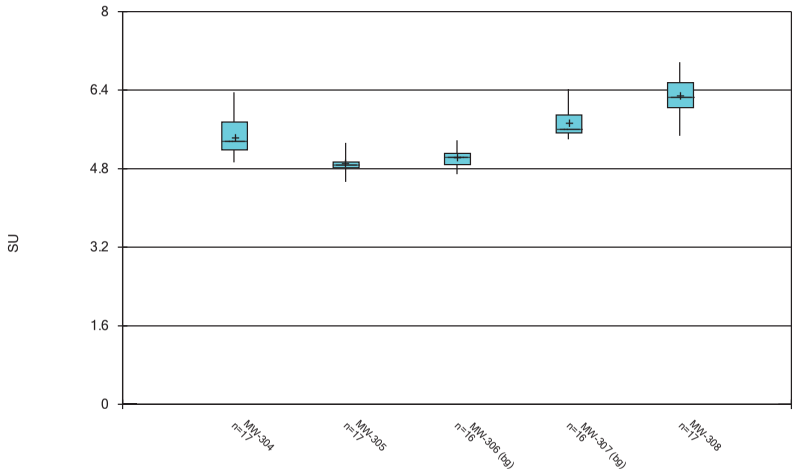
Box & Whiskers Plot



Constituent: Field pH Analysis Run 6/25/2020 9:23 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

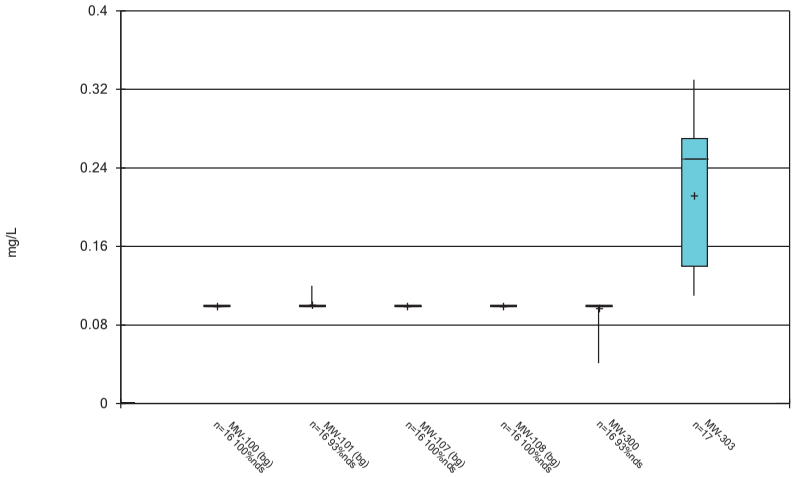
Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Field pH Analysis Run 6/25/2020 9:23 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

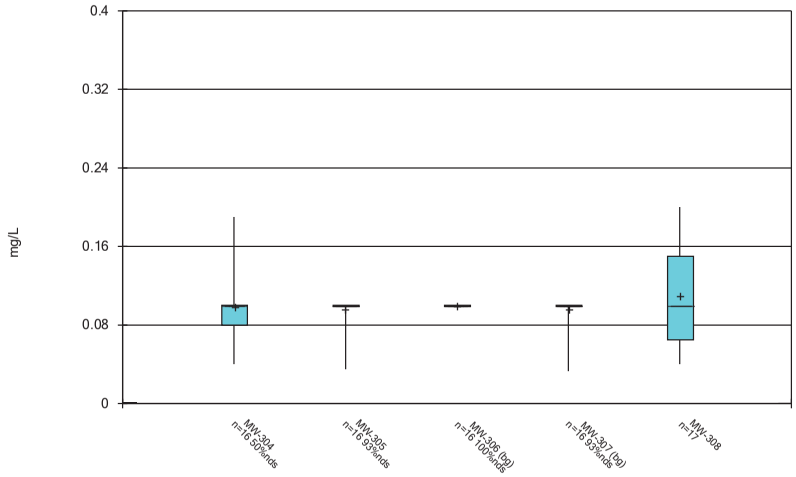
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 6/25/2020 9:23 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

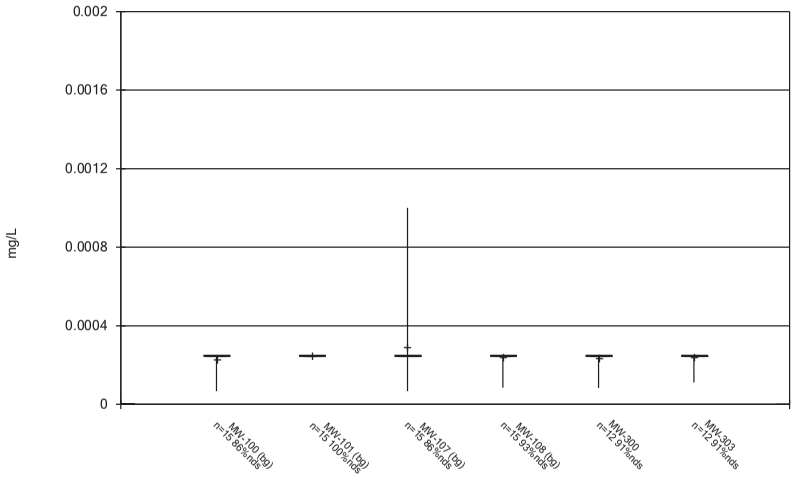
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 6/25/2020 9:23 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

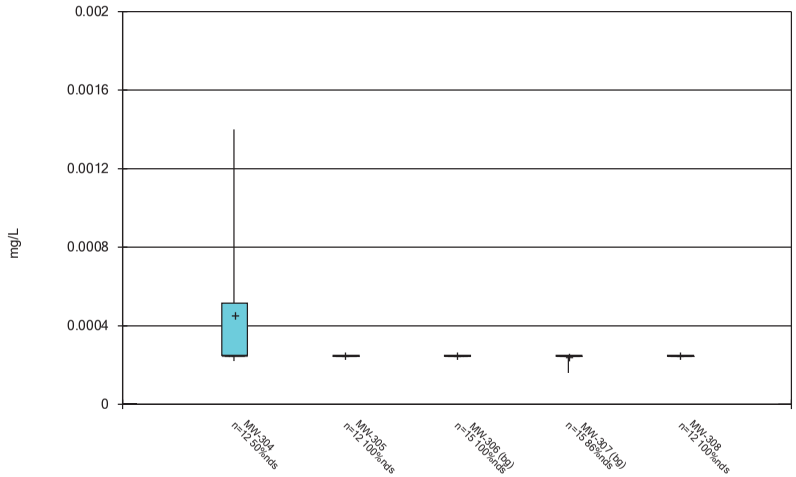
Box & Whiskers Plot



Constituent: Lead Analysis Run 6/25/2020 9:23 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

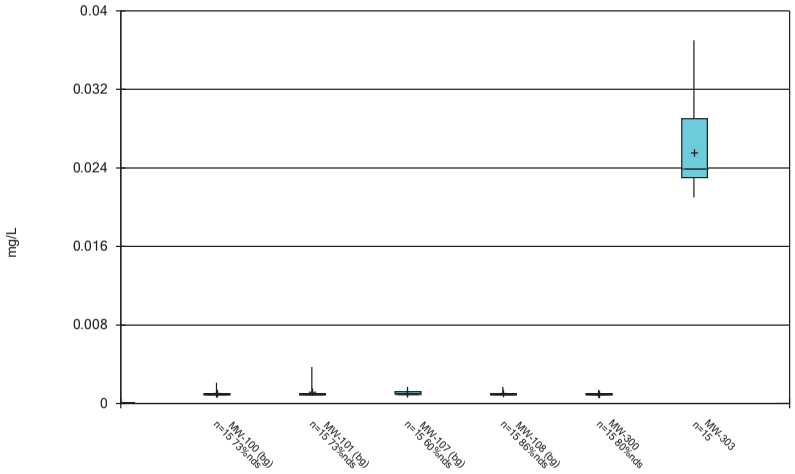
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Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

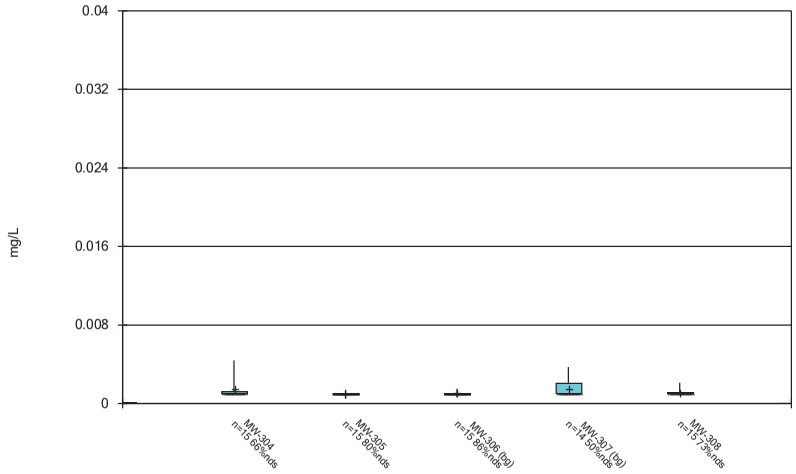
Box & Whiskers Plot



Constituent: Lithium Analysis Run 6/25/2020 9:23 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

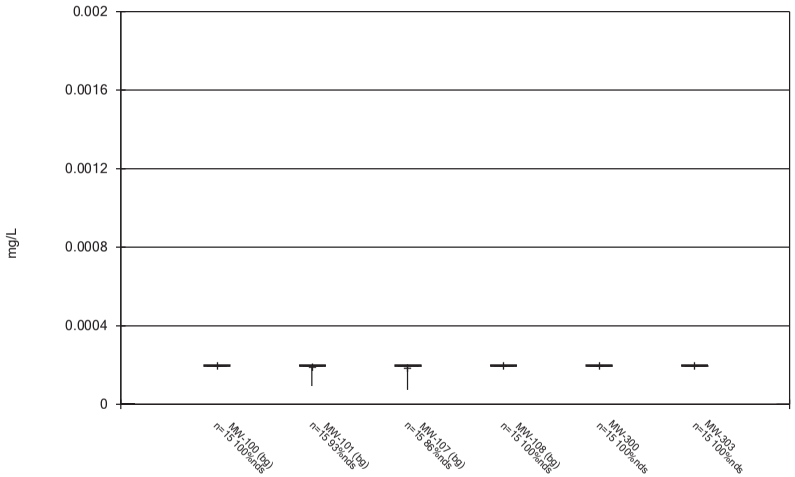
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Plant Crist Client: Gulf Power Data: Plant Crist CCR

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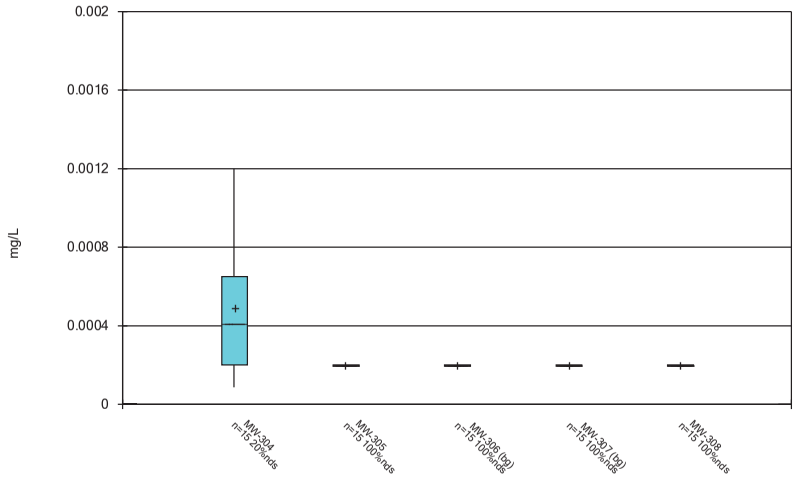
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Constituent: Mercury Analysis Run 6/25/2020 9:23 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

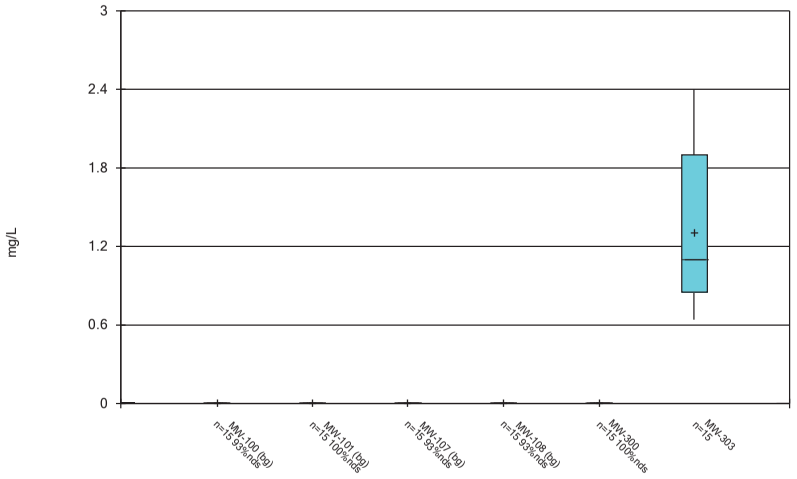
Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Mercury Analysis Run 6/25/2020 9:23 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

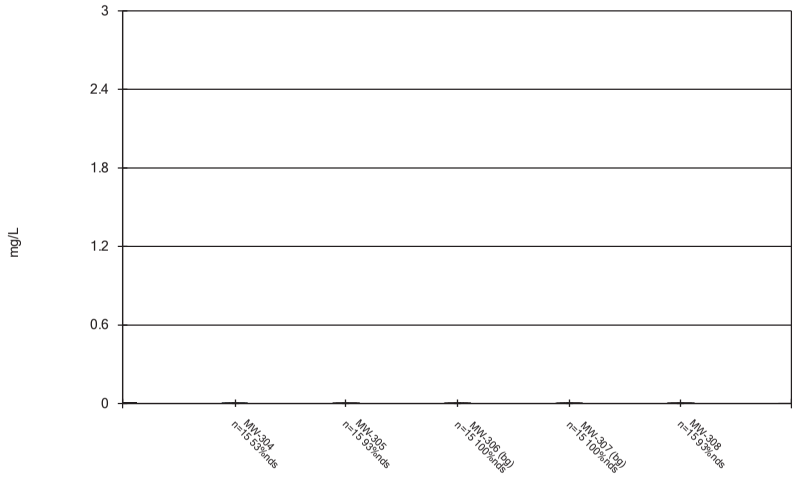
Box & Whiskers Plot



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Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

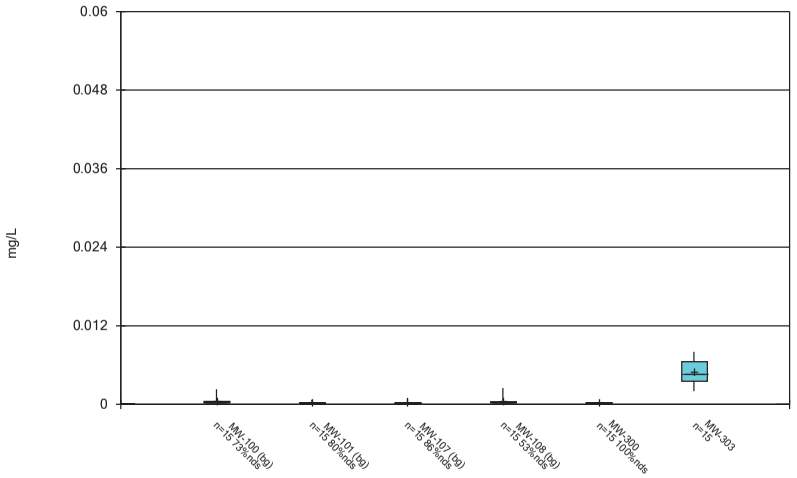
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 6/25/2020 9:23 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

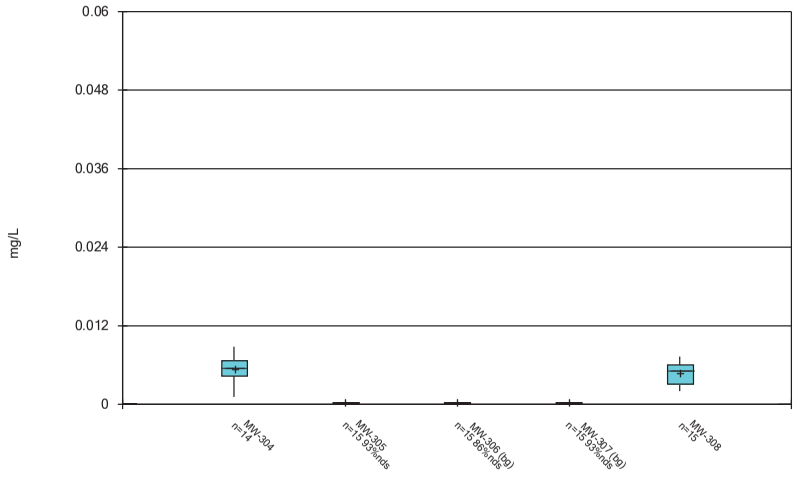
Box & Whiskers Plot



Constituent: Selenium Analysis Run 6/25/2020 9:23 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

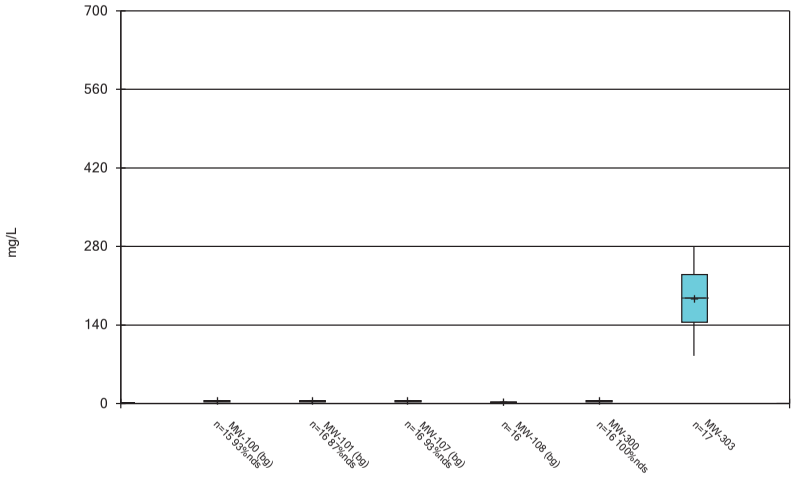
Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Selenium Analysis Run 6/25/2020 9:23 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

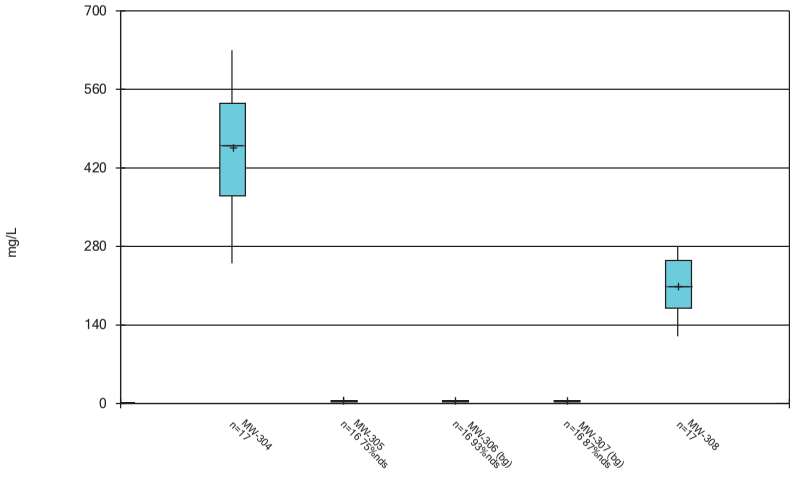
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 6/25/2020 9:23 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

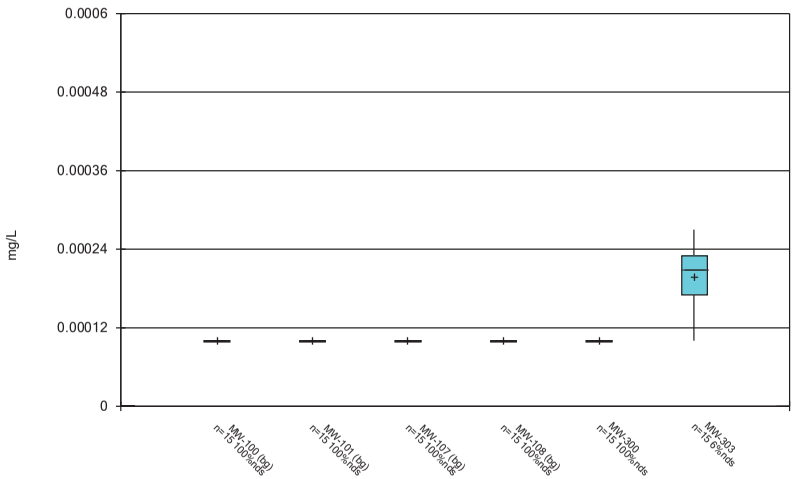
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 6/25/2020 9:23 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

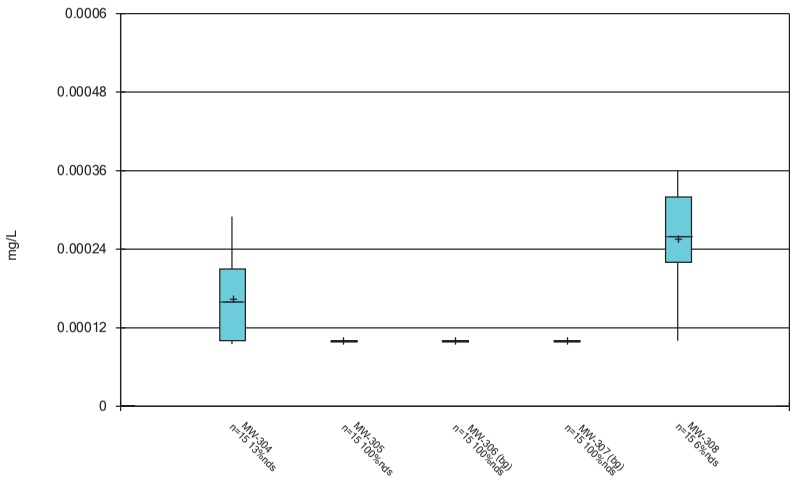
Box & Whiskers Plot



Constituent: Thallium Analysis Run 6/25/2020 9:23 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

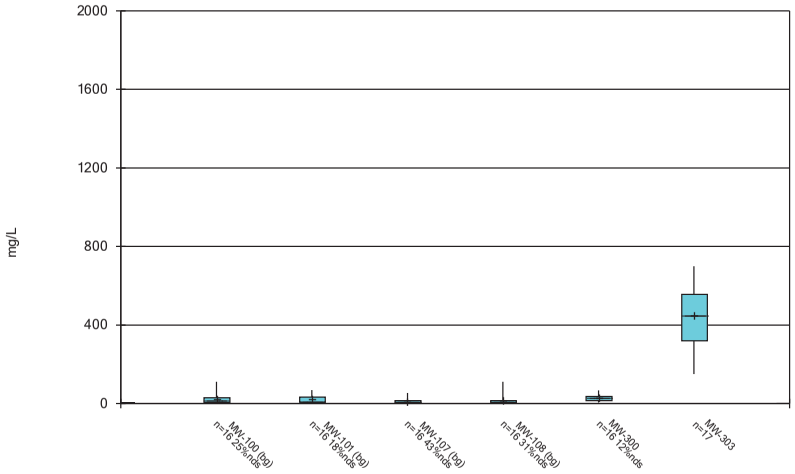
Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Thallium Analysis Run 6/25/2020 9:23 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

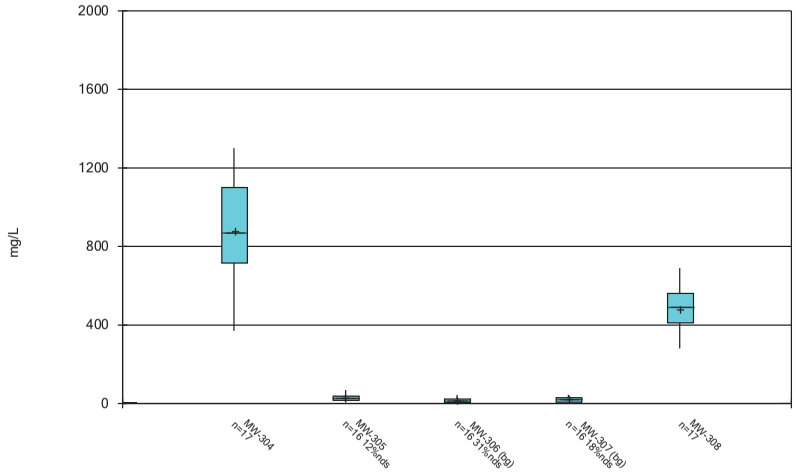
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 6/25/2020 9:23 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 6/25/2020 9:23 AM View: 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

APPENDIX D

Statistical Analyses – October 2020
Semi-Annual Monitoring

FALL 2020

GROUNDWATER STATISTICAL ANALYSIS

FOR GULF POWER'S

PLANT CRIST

Prepared by:

Groundwater Stats Consulting LLC

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GROUNDWATER STATS CONSULTING

January 13, 2021

Geosyntec Consultants
Attn: Mr. Benjamin K. Amos, Ph.D., P.E.
1255 Roberts Boulevard, Suite 200
Kennesaw, GA 30144

Re: Plant Crist
Statistical Analysis – October 2020 Sample Event

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 October 2020 sample event at Gulf Power Company's Plant Crist. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals from Electric Utilities (CCR Rule, 2015) as well as with the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling began at Plant Crist for the CCR program in 2016 at each of the groundwater monitoring wells. The monitoring well network for the Gypsum Storage Area originally included wells MW-202, MW-203, MW-204 and MW-205. However, further research conducted by Geosyntec Consultants, reportedly, concluded that the location of these compliance wells does not represent the zone of groundwater quality downgradient of the site and, therefore, would not identify whether groundwater is affected from practices at the site. Therefore, these wells are not included in the statistical analysis provided in this report. The monitoring well network, as provided by Geosyntec Consultants, consists of the following wells:

- **Upgradient wells:** MW-100, MW-101, MW-107, MW-108, MW-306, MW-307
- **Ash Landfill No. 1 (100 Series):** MW-102, MW-103, MW-104, MW-105, MW-106, MW-109, MW-110
- **Gypsum Storage Area (200 Series):** MW-200, MW-201, MW-206

- **Ash Landfill No. 2 (300 Series):** MW-300, MW-303, MW-304, MW-305, MW-308

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Dr. Jim Loftis, Civil & Environmental Engineering professor emeritus at Colorado State University and Senior Advisor to Groundwater Stats Consulting. The analysis is prepared according to the recommended statistical methodology provided in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting, primary author of the USEPA Unified Guidance.

The CCR program consists of the following constituents listed below. The terms "constituent" and "parameter" are interchangeable.

- **Appendix III** (Detection Monitoring) **-** boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Appendix IV** (Assessment Monitoring) **–** antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, combined radium 226 + 228, fluoride, lead, lithium, mercury, molybdenum, selenium, and thallium

Time series plots for Appendix III and IV parameters at the 100, 200 and 300 series wells are provided for these wells for the above constituents. Additionally, box plots are included for these constituents. The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells. For each of the three well series the time series and box plots for the upgradient wells are included for comparison.

Proposed background data at all wells were initially evaluated in October 2017 for the following: 1) outliers; 2) trends; 3) most appropriate statistical method for Appendix III parameters based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. A summary of those findings, along with the background update that was performed in March 2020 is provided below.

Power curves were provided during the screening to demonstrate that the selected statistical methods for Appendix III parameters comply with the USEPA Unified Guidance. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. Power curves were based on the following:

CCR Appendix III Constituents:

Ash Landfill No. 1 (100 Series Wells)

- Semi-Annual Sampling
- Interwell Prediction Limits with 1-of-2 resample plan – (boron, calcium, chloride, fluoride, pH, sulfate, and TDS)
- # Constituents: 7
- # Downgradient wells: 7

Gypsum Storage Area (200 Series Wells)

- Semi-Annual Sampling
- Interwell Prediction Limits with 1-of-2 resample plan – (boron, calcium, chloride, fluoride, sulfate, and TDS)
- Intrawell Prediction Limits with 1-of-2 resample plan – (pH)
- # Constituents: 7
- # Downgradient wells: 3

Ash Landfill No. 2 (300 Series Wells)

- Semi-Annual Sampling
- Interwell Prediction Limits with 1-of-2 resample plan – (boron, calcium, chloride, fluoride, sulfate, and TDS)
- Intrawell Prediction Limits with 1-of-2 resample plan – (pH)
- # Constituents: 7
- # Downgradient wells: 5

The number of constituents and the number of downgradient wells affect both the power curves and the table value, kappa, that enters into the computation of parametric prediction limits whenever a resampling scheme is used. Thus interwell limits for a given constituent may differ slightly across the well series, even though the background data are the same.

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are nondetects, a nonparametric test is utilized. While the false positive rate associated with the parametric limits is based on an annual 10% (5% for each semi-annual sample event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below

(US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits as appropriate. Nondetects are handled as follows:

- No statistical analyses are required on wells and analytes containing 100% nondetects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% nondetects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for nondetects is the practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% nondetects, the Kaplan-Meier nondetect 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% nondetects.

To handle varying detection limits in background data sets due to improved laboratory practices, a substitution of the most recent reporting limit is used for all nondetects. This is done on an individual well basis for confidence intervals and the reporting limit may vary from well to well. In the time series plots, a single reporting limit substitution is used across all wells for a given parameter since the wells are plotted as a group.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the intrawell case, data for all wells and constituents may re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In some cases, an earlier portion of data is deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs. Background data were screened for outliers, trends, and appropriate statistical methodology in October of 2017 and were updated in March of 2020. Summaries of those results are presented below.

Summary of October 2017 Background Screening

Outlier and Trend Testing

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not conservative from a regulatory perspective, in proposed background data. Suspected outliers at all wells for Appendix III and Appendix IV parameters were formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits. The results of those findings were submitted with the October 2017 report. These values maybe also be seen on the time series graphs as disconnected points and on the data pages in a lighter font.

No seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

While trends may be visually identified, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test was used to evaluate all data at each well to identify statistically significant increasing or decreasing trends. In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant decreasing trends are present, earlier data are evaluated to determine whether earlier concentration levels are significantly different than current reported concentrations and will be deselected as necessary. When the historical records of data are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits.

The results of the trend analyses, which were presented with the screening report, showed a few statistically significant trends. All trends noted were relatively low in magnitude when compared to average concentrations. Therefore, no adjustments were necessary.

Appendix III – Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells, which assists in identifying the most appropriate statistical approach. Interwell tests, which compare downgradient well data to statistical

limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells would not be conservative from a regulatory perspective; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter.

The ANOVA identified variation among upgradient well data at Plant Crist for the following Appendix III parameters: calcium, chloride, pH, and sulfate. No statistically significant variation was noted for boron, fluoride or TDS, making these constituents eligible for interwell analyses. All other constituents were further evaluated as described below for the appropriateness of intrawell testing to accommodate the groundwater quality.

Appendix III – Intrawell Method Eligibility Screening

Intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are conservative (i.e. lower) from a regulatory perspective, and that will rapidly identify a change in more recent compliance data from within a given well. This statistical method removes the element of variation from across wells and eliminates the chance of mistaking natural spatial variation for a release from the facility. Prior to performing intrawell prediction limits, several steps are required to reasonably demonstrate that downgradient water quality does not have existing impacts from the practices of the facility.

Exploratory data analysis was used as a general comparison of concentrations in downgradient wells for all Appendix III parameters recommended for intrawell analyses to concentrations reported in upgradient wells. Upper tolerance limits were used in conjunction with confidence intervals to determine whether the estimated averages in downgradient wells are higher than observed levels upgradient of the facility. The upper tolerance limits were constructed to represent the extreme upper range of potential background levels at the site.

Either parametric or nonparametric tolerance limits were calculated based on the data characteristics that were described above for prediction limits. Parametric tolerance limits (for normal or transformed-normally distributed data) were constructed with a target of 99% confidence and 95% coverage using pooled upgradient well data for each of the Appendix III parameters recommended for intrawell analyses. For non-normal data, nonparametric tolerance limits were used. The confidence and coverage levels for

nonparametric tolerance limits are dependent upon the number of background samples. As more data are collected, the background population is better represented, and the confidence and coverage levels increase.

Confidence intervals were constructed on downgradient wells for each of the Appendix III parameters exhibiting spatial variation, using the tolerance limits discussed above, to determine intrawell eligibility. Either parametric or nonparametric confidence intervals were constructed as appropriate. When the entire confidence interval is above the background limit for a given parameter, interwell methods are initially recommended as the statistical method. Note that this screening identifies whether confidence intervals are above a background limit but does not identify the reason for this occurrence. Therefore, only the wells/parameters with confidence intervals which did not exceed background limits are eligible for intrawell prediction limits.

Confidence intervals for Appendix III parameters were found to be above the background standards in at least one well for each parameter at Ash Landfill No. 1; therefore, interwell prediction limits are recommended initially for all Appendix III parameters at this unit. Confidence intervals were above background standards for all parameters except pH at the Gypsum Storage Area and Ash Landfill No. 2. Therefore, intrawell methods may be used for pH and interwell methods for all other Appendix III parameters at these two units. The results of the upper tolerance limits calculations and confidence interval comparisons were presented in the background screening report.

If further evaluation confirms natural variation in groundwater at these downgradient wells, intrawell methods will be considered for these parameters. In cases where downgradient average concentrations are higher than observed upgradient concentrations for a given constituent, an independent study and hydrogeological investigation would be required to identify local geochemical conditions and expected groundwater quality for the region to justify an intrawell approach. Such an assessment is beyond the scope of services provided by Groundwater Stats Consulting. When there is not an obvious explanation for observed concentration differences in downgradient wells relative to reported concentrations in upgradient wells, interwell prediction limits will initially be selected for the statistical method until further evidence shows that the higher upgradient concentrations are due to natural variation rather than a result of the facility.

Summary of Appendix III Background Update Summary – Conducted in March 2020

Prior to performing prediction limits, proposed background data through March 2019 were reviewed to identify any newly suspected outliers at all wells for pH for intrawell

testing, and through June 2019 at upgradient wells for boron, calcium, chloride, fluoride, pH, sulfate and TDS for interwell testing. Visual screening was used to identify potential outliers using time series graphs. When necessary, Tukey's outlier test is used to formally test suspected outliers. No additional outlier testing was required during the background update. Previously flagged values were excluded to reduce variation, better represent background conditions, and provide limits that are conservative from a regulatory perspective. As mentioned above, flagged data are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the accompanying data pages. A complete list of flagged values follows this letter.

For pH which required intrawell prediction limits, the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through May 2017 to more recent compliance samples through March 2019 at each of the 200 and 300 series wells and upgradient wells to evaluate whether the groups are statistically similar at the 99% confidence level. If no statistically significant difference is found, background data may be updated with compliance data. No statistically significant differences were found between the two groups for pH except at the Gypsum Storage Area for well MW-201. However, the measurements range from 5.62 s.u. to 4.71 s.u., which is in line with concentrations in the other wells, and show only a slight decrease in more recent data. Therefore, the background data were updated and will be re-evaluated during the next background update. All background data sets were updated.

In the future, if the test concludes that the medians of the two groups are significantly different, particularly in the downgradient wells, the background data may not be updated to include the newer data, but will be reconsidered in the future. A summary of these results was submitted with the March 2020 report.

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. Statistically significant decreasing trends were identified; however, the magnitudes of the trends were low relative to average concentrations, and no adjustment of the records was required. Complete graphical results of the trend test were submitted with the background update report.

Statistical Analysis of Appendix III Parameters – October 2020

Intrawell prediction limits, combined with a 1-of-2 resample plan, using background data through March 2019, are used to evaluate pH at the Gypsum Storage Area and at Landfill No. 2 due to natural spatial variation for this parameter. However, only the 200 and 300 series wells were eligible for intrawell testing for pH, as discussed earlier. The 100 series wells, therefore, utilize interwell prediction limits for pH.

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. All available upgradient well data through October 2020 were used to establish interwell prediction limits, based on a 1-of-2 resample plan, for all Appendix III parameters except for pH at the 200 and 300 series wells

Complete tabular and graphical results for both intrawell and interwell prediction limits are presented following this letter. Exceedances were noted for each of the units and are listed in summary tables for intrawell and interwell prediction limits.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of an additional sample to determine whether the initial exceedance is confirmed. When the resample confirms the initial exceedance, a statistically significant increase (SSI) is identified, and further research would be required to identify the cause of the exceedance (i.e. impact from the site, natural variation, or an off-site source). If the resample falls within the statistical limit, the initial exceedance is considered to be a false positive result; therefore, no further action is necessary.

When prediction limit exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable. Upgradient wells are included in the trend analyses for all parameters found to exceed their prediction limit in downgradient wells to identify whether similar patterns exist upgradient of the site. Upgradient trends are an indication of natural variability in groundwater unrelated to practices at the site. Complete tabular and graphical results of the trend tests follow this letter.

Evaluation of Appendix IV Parameters – October 2020

Prior to evaluating Appendix IV parameters, background data are screened through visual screening for potential outliers and extreme trending patterns that would lead to artificially elevated statistical limits. High outliers are also 'cautiously' flagged in the downgradient wells when they are clearly much different from the rest of the data. This is intended to be a regulatory conservative approach in that it will reduce the variance and thus reduce the width of parametric confidence intervals, although it will also reduce the mean and thus lower the entire interval. The intent is to better represent the actual downgradient mean. Flagging high outliers should have no effect on the lower limit of nonparametric confidence intervals. No new outliers were flagged during this analysis, and a complete list of outliers follows this report.

Interwell upper tolerance limits, as appropriate, were used to calculate background limits from pooled upgradient well data for Appendix IV parameters, with a target of 95% confidence and 95% coverage for parametric limits. Parametric tolerance limits are used when data follow a normal or transformed-normal distribution as do barium and combined radium 226 + 228. When data contained greater than 50% nondetects or did not follow a normal or transformed-normal distribution, non-parametric tolerance limits were used. These limits were compared to the Maximum Contaminant Levels (MCLs) and CCR rule-specified levels to determine the highest limit for use as the GWPS in the Confidence Interval comparisons.

Confidence intervals were then constructed on downgradient wells, using all historical data within a given well, for each of the Appendix IV parameters and compared to the highest limit of either the MCL or rule-specified level as discussed above. For cobalt in well MW-304, samples prior to March 2017 have been deselected to use at a minimum, the most recent 8 samples in constructing the confidence interval, rather than the entire data set in order to reflect present-day concentrations. The historical data for this constituent had higher concentrations due to a broken pipe that influenced groundwater quality at this well. Concentrations, as expected, have continued to decrease since the pipe was fixed.

Only when the entire confidence interval is above a GWPS is the well/constituent pair considered to exceed its respective standard. Tables of the upper tolerance limits, GWPS, and confidence intervals, along with graphical comparisons against standards, and significant results (exceedances) follow this letter. The following confidence interval exceedances were noted:

100 Series Wells:

Cobalt:	MW-104
Combined Radium 226 + 228:	MW-104 and MW-110
Mercury:	MW-110

200 Series Wells:

Combined Radium 226 + 228:	MW-200, MW-201, and MW-206

300 Series Wells:

Cobalt:	MW-304
Molybdenum:	MW-303

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Crist. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Kristina L. Rayner
Groundwater Statistician

Outlier Summary

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/11/2021, 2:01 PM

	MW-304 Arsenic (mg/L)	MW-200 Cadmium (mg/L)	MW-206 Chloride (mg/L)	MW-107 Chromium (mg/L)	MW-108 Field pH (SU)	MW-307 Lithium (mg/L)	MW-304 Selenium (mg/L)	MW-100 Sulfate (mg/L)	MW-206 Total Dissolved Solids (mg/L)
3/2/2016		0.022 (o)							32000 (o)
3/3/2016	0.009 (o)								
5/2/2016								15 (o)	
5/4/2016	0.019 (o)								
7/5/2016			360 (o)		7.11 (o)				
7/6/2016	0.014 (o)								
11/7/2016						0.0097 (o)			
1/9/2017				0.017 (o)					
10/17/2018							0.05 (o)		

Appendix III Interwell Prediction Limits - 100 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/11/2021, 1:43 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-103	0.081	n/a	10/8/2020	0.31	Yes	102	n/a	n/a	85.29	n/a	n/a	0.0001878	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-104	0.081	n/a	10/8/2020	12	Yes	102	n/a	n/a	85.29	n/a	n/a	0.0001878	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-105	0.081	n/a	10/8/2020	0.37	Yes	102	n/a	n/a	85.29	n/a	n/a	0.0001878	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-109	0.081	n/a	10/9/2020	0.37	Yes	102	n/a	n/a	85.29	n/a	n/a	0.0001878	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-110	0.081	n/a	10/9/2020	4.8	Yes	102	n/a	n/a	85.29	n/a	n/a	0.0001878	NP Inter (NDs) 1 of 2
Calcium (mg/L)	MW-103	1.376	n/a	10/8/2020	3.7	Yes	102	-0.3815	0.4191	0	None	ln(x)	0.002505	Param Inter 1 of 2
Calcium (mg/L)	MW-104	1.376	n/a	10/8/2020	59	Yes	102	-0.3815	0.4191	0	None	ln(x)	0.002505	Param Inter 1 of 2
Calcium (mg/L)	MW-105	1.376	n/a	10/8/2020	50	Yes	102	-0.3815	0.4191	0	None	ln(x)	0.002505	Param Inter 1 of 2
Calcium (mg/L)	MW-109	1.376	n/a	10/9/2020	5.9	Yes	102	-0.3815	0.4191	0	None	ln(x)	0.002505	Param Inter 1 of 2
Calcium (mg/L)	MW-110	1.376	n/a	10/9/2020	31	Yes	102	-0.3815	0.4191	0	None	ln(x)	0.002505	Param Inter 1 of 2
Chloride (mg/L)	MW-103	6.614	n/a	10/8/2020	18	Yes	102	5.234	0.825	0	None	No	0.002505	Param Inter 1 of 2
Chloride (mg/L)	MW-104	6.614	n/a	10/8/2020	95	Yes	102	5.234	0.825	0	None	No	0.002505	Param Inter 1 of 2
Chloride (mg/L)	MW-105	6.614	n/a	10/8/2020	26	Yes	102	5.234	0.825	0	None	No	0.002505	Param Inter 1 of 2
Chloride (mg/L)	MW-109	6.614	n/a	10/9/2020	22	Yes	102	5.234	0.825	0	None	No	0.002505	Param Inter 1 of 2
Chloride (mg/L)	MW-110	6.614	n/a	10/9/2020	100	Yes	102	5.234	0.825	0	None	No	0.002505	Param Inter 1 of 2
Field pH (SU)	MW-104	6.42	4.5	10/8/2020	4.13	Yes	101	n/a	n/a	0	n/a	n/a	0.0003815	NP Inter (normality) 1 of 2
Fluoride (mg/L)	MW-103	0.12	n/a	10/8/2020	0.24	Yes	102	n/a	n/a	98.04	n/a	n/a	0.0001878	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-104	0.12	n/a	10/8/2020	0.26	Yes	102	n/a	n/a	98.04	n/a	n/a	0.0001878	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-103	5	n/a	10/8/2020	30	Yes	101	n/a	n/a	76.24	n/a	n/a	0.0001907	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-104	5	n/a	10/8/2020	590	Yes	101	n/a	n/a	76.24	n/a	n/a	0.0001907	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-105	5	n/a	10/8/2020	9.3	Yes	101	n/a	n/a	76.24	n/a	n/a	0.0001907	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-109	5	n/a	10/9/2020	25	Yes	101	n/a	n/a	76.24	n/a	n/a	0.0001907	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-110	5	n/a	10/9/2020	280	Yes	101	n/a	n/a	76.24	n/a	n/a	0.0001907	NP Inter (NDs) 1 of 2
Total Dissolved Solids (mg/L)	MW-103	110	n/a	10/8/2020	120	Yes	102	n/a	n/a	26.47	n/a	n/a	0.0001878	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-104	110	n/a	10/8/2020	500	Yes	102	n/a	n/a	26.47	n/a	n/a	0.0001878	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-105	110	n/a	10/8/2020	260	Yes	102	n/a	n/a	26.47	n/a	n/a	0.0001878	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-110	110	n/a	10/9/2020	660	Yes	102	n/a	n/a	26.47	n/a	n/a	0.0001878	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - 100 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/11/2021, 1:43 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-102	0.081	n/a	10/8/2020	0.033J	No	102	n/a	n/a	85.29	n/a	n/a	0.0001878	NP Inter (NDs) 1 of 2
Boron (mg/L)	**MW-103**	**0.081**	**n/a**	**10/8/2020**	**0.31**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001878**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-104**	**0.081**	**n/a**	**10/8/2020**	**12**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001878**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-105**	**0.081**	**n/a**	**10/8/2020**	**0.37**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001878**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	MW-106	0.081	n/a	10/8/2020	0.031J	No	102	n/a	n/a	85.29	n/a	n/a	0.0001878	NP Inter (NDs) 1 of 2
Boron (mg/L)	**MW-109**	**0.081**	**n/a**	**10/9/2020**	**0.37**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001878**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-110**	**0.081**	**n/a**	**10/9/2020**	**4.8**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001878**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	MW-102	1.376	n/a	10/8/2020	0.67	No	102	-0.3815	0.4191	0	None	ln(x)	0.002505	Param Inter 1 of 2
Calcium (mg/L)	**MW-103**	**1.376**	**n/a**	**10/8/2020**	**3.7**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-104**	**1.376**	**n/a**	**10/8/2020**	**59**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-105**	**1.376**	**n/a**	**10/8/2020**	**50**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	MW-106	1.376	n/a	10/8/2020	0.51	No	102	-0.3815	0.4191	0	None	ln(x)	0.002505	Param Inter 1 of 2
Calcium (mg/L)	**MW-109**	**1.376**	**n/a**	**10/9/2020**	**5.9**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-110**	**1.376**	**n/a**	**10/9/2020**	**31**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	MW-102	6.614	n/a	10/8/2020	6.4	No	102	5.234	0.825	0	None	No	0.002505	Param Inter 1 of 2
Chloride (mg/L)	**MW-103**	**6.614**	**n/a**	**10/8/2020**	**18**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-104**	**6.614**	**n/a**	**10/8/2020**	**95**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-105**	**6.614**	**n/a**	**10/8/2020**	**26**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	MW-106	6.614	n/a	10/8/2020	5	No	102	5.234	0.825	0	None	No	0.002505	Param Inter 1 of 2
Chloride (mg/L)	**MW-109**	**6.614**	**n/a**	**10/9/2020**	**22**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-110**	**6.614**	**n/a**	**10/9/2020**	**100**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Field pH (SU)	MW-102	6.42	4.5	10/8/2020	4.87	No	101	n/a	n/a	0	n/a	n/a	0.0003815	NP Inter (normality) 1 of 2
Field pH (SU)	MW-103	6.42	4.5	10/8/2020	4.98	No	101	n/a	n/a	0	n/a	n/a	0.0003815	NP Inter (normality) 1 of 2
Field pH (SU)	**MW-104**	**6.42**	**4.5**	**10/8/2020**	**4.13**	**Yes**	**101**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003815**	**NP Inter (normality) 1 of 2**
Field pH (SU)	MW-105	6.42	4.5	10/8/2020	6.29	No	101	n/a	n/a	0	n/a	n/a	0.0003815	NP Inter (normality) 1 of 2
Field pH (SU)	MW-106	6.42	4.5	10/8/2020	5.34	No	101	n/a	n/a	0	n/a	n/a	0.0003815	NP Inter (normality) 1 of 2
Field pH (SU)	MW-109	6.42	4.5	10/9/2020	4.77	No	101	n/a	n/a	0	n/a	n/a	0.0003815	NP Inter (normality) 1 of 2
Field pH (SU)	MW-110	6.42	4.5	10/9/2020	4.9	No	101	n/a	n/a	0	n/a	n/a	0.0003815	NP Inter (normality) 1 of 2
Fluoride (mg/L)	MW-102	0.12	n/a	10/8/2020	0.1ND	No	102	n/a	n/a	98.04	n/a	n/a	0.0001878	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-103**	**0.12**	**n/a**	**10/8/2020**	**0.24**	**Yes**	**102**	**n/a**	**n/a**	**98.04**	**n/a**	**n/a**	**0.0001878**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	**MW-104**	**0.12**	**n/a**	**10/8/2020**	**0.26**	**Yes**	**102**	**n/a**	**n/a**	**98.04**	**n/a**	**n/a**	**0.0001878**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	MW-105	0.12	n/a	10/8/2020	0.04J	No	102	n/a	n/a	98.04	n/a	n/a	0.0001878	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-106	0.12	n/a	10/8/2020	0.1ND	No	102	n/a	n/a	98.04	n/a	n/a	0.0001878	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-109	0.12	n/a	10/9/2020	0.1ND	No	102	n/a	n/a	98.04	n/a	n/a	0.0001878	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-110	0.12	n/a	10/9/2020	0.1ND	No	102	n/a	n/a	98.04	n/a	n/a	0.0001878	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-102	5	n/a	10/8/2020	5ND	No	101	n/a	n/a	76.24	n/a	n/a	0.0001907	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-103**	**5**	**n/a**	**10/8/2020**	**30**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001907**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-104**	**5**	**n/a**	**10/8/2020**	**590**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001907**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-105**	**5**	**n/a**	**10/8/2020**	**9.3**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001907**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	MW-106	5	n/a	10/8/2020	5ND	No	101	n/a	n/a	76.24	n/a	n/a	0.0001907	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-109**	**5**	**n/a**	**10/9/2020**	**25**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001907**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-110**	**5**	**n/a**	**10/9/2020**	**280**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001907**	**NP Inter (NDs) 1 of 2**
Total Dissolved Solids (mg/L)	MW-102	110	n/a	10/8/2020	32	No	102	n/a	n/a	26.47	n/a	n/a	0.0001878	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-103**	**110**	**n/a**	**10/8/2020**	**120**	**Yes**	**102**	**n/a**	**n/a**	**26.47**	**n/a**	**n/a**	**0.0001878**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-104**	**110**	**n/a**	**10/8/2020**	**500**	**Yes**	**102**	**n/a**	**n/a**	**26.47**	**n/a**	**n/a**	**0.0001878**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-105**	**110**	**n/a**	**10/8/2020**	**260**	**Yes**	**102**	**n/a**	**n/a**	**26.47**	**n/a**	**n/a**	**0.0001878**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	MW-106	110	n/a	10/8/2020	100	No	102	n/a	n/a	26.47	n/a	n/a	0.0001878	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-109	110	n/a	10/9/2020	86	No	102	n/a	n/a	26.47	n/a	n/a	0.0001878	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-110**	**110**	**n/a**	**10/9/2020**	**660**	**Yes**	**102**	**n/a**	**n/a**	**26.47**	**n/a**	**n/a**	**0.0001878**	**NP Inter (normality) 1 of 2**

Appendix III Interwell Prediction Limits - 200 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/7/2021, 5:19 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**MW-200**	**0.081**	**n/a**	**10/12/2020**	**3**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001878**	NP (NDs) 1 of 2
Boron (mg/L)	**MW-201**	**0.081**	**n/a**	**10/12/2020**	**3.3**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001878**	NP (NDs) 1 of 2
Boron (mg/L)	**MW-206**	**0.081**	**n/a**	**10/12/2020**	**17**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001878**	NP (NDs) 1 of 2
Calcium (mg/L)	**MW-200**	**1.376**	**n/a**	**10/12/2020**	**74**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.002505**	Param 1 of 2
Calcium (mg/L)	**MW-201**	**1.376**	**n/a**	**10/12/2020**	**58**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.002505**	Param 1 of 2
Calcium (mg/L)	**MW-206**	**1.376**	**n/a**	**10/12/2020**	**300**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.002505**	Param 1 of 2
Chloride (mg/L)	**MW-200**	**6.614**	**n/a**	**10/12/2020**	**130**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.002505**	Param 1 of 2
Chloride (mg/L)	**MW-201**	**6.614**	**n/a**	**10/12/2020**	**82**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.002505**	Param 1 of 2
Chloride (mg/L)	**MW-206**	**6.614**	**n/a**	**10/12/2020**	**610**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.002505**	Param 1 of 2
Fluoride (mg/L)	**MW-201**	**0.12**	**n/a**	**10/12/2020**	**0.46**	**Yes**	**102**	**n/a**	**n/a**	**98.04**	**n/a**	**n/a**	**0.0001878**	NP (NDs) 1 of 2
Sulfate (mg/L)	**MW-200**	**5**	**n/a**	**10/12/2020**	**64**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001907**	NP (NDs) 1 of 2
Sulfate (mg/L)	**MW-201**	**5**	**n/a**	**10/12/2020**	**110**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001907**	NP (NDs) 1 of 2
Sulfate (mg/L)	**MW-206**	**5**	**n/a**	**10/12/2020**	**230**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001907**	NP (NDs) 1 of 2
Total Dissolved Solids (mg/L)	**MW-200**	**110**	**n/a**	**10/12/2020**	**600**	**Yes**	**102**	**n/a**	**n/a**	**26.47**	**n/a**	**n/a**	**0.0001878**	NP (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-201**	**110**	**n/a**	**10/12/2020**	**460**	**Yes**	**102**	**n/a**	**n/a**	**26.47**	**n/a**	**n/a**	**0.0001878**	NP (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-206**	**110**	**n/a**	**10/12/2020**	**2200**	**Yes**	**102**	**n/a**	**n/a**	**26.47**	**n/a**	**n/a**	**0.0001878**	NP (normality) 1 of 2

Appendix III Interwell Prediction Limits - 200 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/7/2021, 5:19 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**MW-200**	**0.081**	**n/a**	**10/12/2020**	**3**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001878**	NP (NDs) 1 of 2
Boron (mg/L)	**MW-201**	**0.081**	**n/a**	**10/12/2020**	**3.3**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001878**	NP (NDs) 1 of 2
Boron (mg/L)	**MW-206**	**0.081**	**n/a**	**10/12/2020**	**17**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001878**	NP (NDs) 1 of 2
Calcium (mg/L)	**MW-200**	**1.376**	**n/a**	**10/12/2020**	**74**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.002505**	Param 1 of 2
Calcium (mg/L)	**MW-201**	**1.376**	**n/a**	**10/12/2020**	**58**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.002505**	Param 1 of 2
Calcium (mg/L)	**MW-206**	**1.376**	**n/a**	**10/12/2020**	**300**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.002505**	Param 1 of 2
Chloride (mg/L)	**MW-200**	**6.614**	**n/a**	**10/12/2020**	**130**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.002505**	Param 1 of 2
Chloride (mg/L)	**MW-201**	**6.614**	**n/a**	**10/12/2020**	**82**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.002505**	Param 1 of 2
Chloride (mg/L)	**MW-206**	**6.614**	**n/a**	**10/12/2020**	**610**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.002505**	Param 1 of 2
Fluoride (mg/L)	MW-200	0.12	n/a	10/12/2020	0.1ND	No	102	n/a	n/a	98.04	n/a	n/a	0.0001878	NP (NDs) 1 of 2
Fluoride (mg/L)	**MW-201**	**0.12**	**n/a**	**10/12/2020**	**0.46**	**Yes**	**102**	**n/a**	**n/a**	**98.04**	**n/a**	**n/a**	**0.0001878**	NP (NDs) 1 of 2
Fluoride (mg/L)	MW-206	0.12	n/a	10/12/2020	0.04J	No	102	n/a	n/a	98.04	n/a	n/a	0.0001878	NP (NDs) 1 of 2
Sulfate (mg/L)	**MW-200**	**5**	**n/a**	**10/12/2020**	**64**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001907**	NP (NDs) 1 of 2
Sulfate (mg/L)	**MW-201**	**5**	**n/a**	**10/12/2020**	**110**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001907**	NP (NDs) 1 of 2
Sulfate (mg/L)	**MW-206**	**5**	**n/a**	**10/12/2020**	**230**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001907**	NP (NDs) 1 of 2
Total Dissolved Solids (mg/L)	**MW-200**	**110**	**n/a**	**10/12/2020**	**600**	**Yes**	**102**	**n/a**	**n/a**	**26.47**	**n/a**	**n/a**	**0.0001878**	NP (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-201**	**110**	**n/a**	**10/12/2020**	**460**	**Yes**	**102**	**n/a**	**n/a**	**26.47**	**n/a**	**n/a**	**0.0001878**	NP (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-206**	**110**	**n/a**	**10/12/2020**	**2200**	**Yes**	**102**	**n/a**	**n/a**	**26.47**	**n/a**	**n/a**	**0.0001878**	NP (normality) 1 of 2

Appendix III Intrawell Prediction Limits - 200 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/7/2021, 5:17 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	**MW-200**	**5.263**	**4.716**	**10/12/2020**	**5.3**	**Yes**	**14**	**4.989**	**0.134**	**0**	**None**	**No**	**0.001253**	**Param Intra 1 of 2**
Field pH (SU)	**MW-206**	**4.64**	**3.998**	**10/12/2020**	**4.82**	**Yes**	**14**	**4.319**	**0.1573**	**0**	**None**	**No**	**0.001253**	**Param Intra 1 of 2**

Appendix III Intrawell Prediction Limits - 200 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/7/2021, 5:17 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	MW-100	5.257	4.453	10/7/2020	4.74	No	13	4.855	0.1936	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-101	5.491	4.42	10/7/2020	5.08	No	13	4.955	0.258	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-107	5.412	4.406	10/7/2020	4.91	No	13	4.909	0.2421	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-108	5.178	4.369	10/7/2020	4.8	No	12	4.773	0.1917	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-306	5.438	4.624	10/7/2020	5.13	No	13	5.031	0.1961	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-307	6.537	5.063	10/7/2020	5.5	No	13	5.8	0.3549	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	**MW-200**	**5.263**	**4.716**	**10/12/2020**	**5.3**	**Yes**	**14**	**4.989**	**0.134**	**0**	**None**	**No**	**0.001253**	**Param Intra 1 of 2**
Field pH (SU)	MW-201	5.704	4.463	10/12/2020	4.56	No	14	5.084	0.304	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	**MW-206**	**4.64**	**3.998**	**10/12/2020**	**4.82**	**Yes**	**14**	**4.319**	**0.1573**	**0**	**None**	**No**	**0.001253**	**Param Intra 1 of 2**

Appendix III Interwell Prediction Limits - 300 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/7/2021, 5:32 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**MW-303**	**0.081**	**n/a**	**10/8/2020**	**3.6**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001875**	NP (NDs) 1 of 2
Boron (mg/L)	**MW-304**	**0.081**	**n/a**	**10/9/2020**	**0.68**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001875**	NP (NDs) 1 of 2
Boron (mg/L)	**MW-308**	**0.081**	**n/a**	**10/8/2020**	**2.4**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001875**	NP (NDs) 1 of 2
Calcium (mg/L)	**MW-303**	**1.456**	**n/a**	**10/8/2020**	**100**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.001504**	Param 1 of 2
Calcium (mg/L)	**MW-304**	**1.456**	**n/a**	**10/9/2020**	**120**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.001504**	Param 1 of 2
Calcium (mg/L)	**MW-308**	**1.456**	**n/a**	**10/8/2020**	**55**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.001504**	Param 1 of 2
Chloride (mg/L)	**MW-300**	**6.725**	**n/a**	**10/9/2020**	**8.9**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.001504**	Param 1 of 2
Chloride (mg/L)	**MW-303**	**6.725**	**n/a**	**10/8/2020**	**230**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.001504**	Param 1 of 2
Chloride (mg/L)	**MW-304**	**6.725**	**n/a**	**10/9/2020**	**14**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.001504**	Param 1 of 2
Chloride (mg/L)	**MW-305**	**6.725**	**n/a**	**10/9/2020**	**7.5**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.001504**	Param 1 of 2
Chloride (mg/L)	**MW-308**	**6.725**	**n/a**	**10/8/2020**	**36**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.001504**	Param 1 of 2
Sulfate (mg/L)	**MW-303**	**5**	**n/a**	**10/8/2020**	**160**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001905**	NP (NDs) 1 of 2
Sulfate (mg/L)	**MW-304**	**5**	**n/a**	**10/9/2020**	**300**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001905**	NP (NDs) 1 of 2
Sulfate (mg/L)	**MW-308**	**5**	**n/a**	**10/8/2020**	**170**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001905**	NP (NDs) 1 of 2
Total Dissolved Solids (mg/L)	**MW-303**	**110**	**n/a**	**10/8/2020**	**850**	**Yes**	**102**	**n/a**	**n/a**	**26.47**	**n/a**	**n/a**	**0.0001875**	NP (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-304**	**110**	**n/a**	**10/9/2020**	**580**	**Yes**	**102**	**n/a**	**n/a**	**26.47**	**n/a**	**n/a**	**0.0001875**	NP (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-308**	**110**	**n/a**	**10/8/2020**	**380**	**Yes**	**102**	**n/a**	**n/a**	**26.47**	**n/a**	**n/a**	**0.0001875**	NP (normality) 1 of 2

Appendix III Interwell Prediction Limits - 300 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/7/2021, 5:32 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-300	0.081	n/a	10/9/2020	0.025J	No	102	n/a	n/a	85.29	n/a	n/a	0.0001875	NP (NDs) 1 of 2
Boron (mg/L)	**MW-303**	**0.081**	**n/a**	**10/8/2020**	**3.6**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001875**	NP (NDs) 1 of 2
Boron (mg/L)	**MW-304**	**0.081**	**n/a**	**10/9/2020**	**0.68**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001875**	NP (NDs) 1 of 2
Boron (mg/L)	MW-305	0.081	n/a	10/9/2020	0.018J	No	102	n/a	n/a	85.29	n/a	n/a	0.0001875	NP (NDs) 1 of 2
Boron (mg/L)	**MW-308**	**0.081**	**n/a**	**10/8/2020**	**2.4**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001875**	NP (NDs) 1 of 2
Calcium (mg/L)	MW-300	1.456	n/a	10/9/2020	0.58	No	102	-0.3815	0.4191	0	None	ln(x)	0.001504	Param 1 of 2
Calcium (mg/L)	**MW-303**	**1.456**	**n/a**	**10/8/2020**	**100**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.001504**	Param 1 of 2
Calcium (mg/L)	**MW-304**	**1.456**	**n/a**	**10/9/2020**	**120**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.001504**	Param 1 of 2
Calcium (mg/L)	MW-305	1.456	n/a	10/9/2020	0.76	No	102	-0.3815	0.4191	0	None	ln(x)	0.001504	Param 1 of 2
Calcium (mg/L)	**MW-308**	**1.456**	**n/a**	**10/8/2020**	**55**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.001504**	Param 1 of 2
Chloride (mg/L)	**MW-300**	**6.725**	**n/a**	**10/9/2020**	**8.9**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.001504**	Param 1 of 2
Chloride (mg/L)	**MW-303**	**6.725**	**n/a**	**10/8/2020**	**230**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.001504**	Param 1 of 2
Chloride (mg/L)	**MW-304**	**6.725**	**n/a**	**10/9/2020**	**14**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.001504**	Param 1 of 2
Chloride (mg/L)	**MW-305**	**6.725**	**n/a**	**10/9/2020**	**7.5**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.001504**	Param 1 of 2
Chloride (mg/L)	**MW-308**	**6.725**	**n/a**	**10/8/2020**	**36**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.001504**	Param 1 of 2
Fluoride (mg/L)	MW-300	0.12	n/a	10/9/2020	0.1ND	No	102	n/a	n/a	98.04	n/a	n/a	0.0001875	NP (NDs) 1 of 2
Fluoride (mg/L)	MW-303	0.12	n/a	10/8/2020	0.1ND	No	102	n/a	n/a	98.04	n/a	n/a	0.0001875	NP (NDs) 1 of 2
Fluoride (mg/L)	MW-304	0.12	n/a	10/9/2020	0.04J	No	102	n/a	n/a	98.04	n/a	n/a	0.0001875	NP (NDs) 1 of 2
Fluoride (mg/L)	MW-305	0.12	n/a	10/9/2020	0.1ND	No	102	n/a	n/a	98.04	n/a	n/a	0.0001875	NP (NDs) 1 of 2
Fluoride (mg/L)	MW-308	0.12	n/a	10/8/2020	0.07J	No	102	n/a	n/a	98.04	n/a	n/a	0.0001875	NP (NDs) 1 of 2
Sulfate (mg/L)	MW-300	5	n/a	10/9/2020	5ND	No	101	n/a	n/a	76.24	n/a	n/a	0.0001905	NP (NDs) 1 of 2
Sulfate (mg/L)	**MW-303**	**5**	**n/a**	**10/8/2020**	**160**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001905**	NP (NDs) 1 of 2
Sulfate (mg/L)	**MW-304**	**5**	**n/a**	**10/9/2020**	**300**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001905**	NP (NDs) 1 of 2
Sulfate (mg/L)	MW-305	5	n/a	10/9/2020	5ND	No	101	n/a	n/a	76.24	n/a	n/a	0.0001905	NP (NDs) 1 of 2
Sulfate (mg/L)	**MW-308**	**5**	**n/a**	**10/8/2020**	**170**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001905**	NP (NDs) 1 of 2
Total Dissolved Solids (mg/L)	MW-300	110	n/a	10/9/2020	52	No	102	n/a	n/a	26.47	n/a	n/a	0.0001875	NP (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-303**	**110**	**n/a**	**10/8/2020**	**850**	**Yes**	**102**	**n/a**	**n/a**	**26.47**	**n/a**	**n/a**	**0.0001875**	NP (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-304**	**110**	**n/a**	**10/9/2020**	**580**	**Yes**	**102**	**n/a**	**n/a**	**26.47**	**n/a**	**n/a**	**0.0001875**	NP (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-305	110	n/a	10/9/2020	42	No	102	n/a	n/a	26.47	n/a	n/a	0.0001875	NP (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-308**	**110**	**n/a**	**10/8/2020**	**380**	**Yes**	**102**	**n/a**	**n/a**	**26.47**	**n/a**	**n/a**	**0.0001875**	NP (normality) 1 of 2

Appendix III Intrawell Prediction Limits - 300 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/7/2021, 5:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	**MW-304**	**6.401**	**4.549**	**10/9/2020**	**6.49**	**Yes**	**14**	**5.475**	**0.4141**	**0**	**None**	**No**	**0.000752**	**Param Intra 1 of 2**

Appendix III Intrawell Prediction Limits - 300 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/7/2021, 5:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	MW-100	5.296	4.413	10/7/2020	4.74	No	13	4.855	0.1936	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-101	5.543	4.367	10/7/2020	5.08	No	13	4.955	0.258	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-107	5.461	4.357	10/7/2020	4.91	No	13	4.909	0.2421	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-108	5.218	4.328	10/7/2020	4.8	No	12	4.773	0.1917	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-306	5.478	4.584	10/7/2020	5.13	No	13	5.031	0.1961	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-307	6.609	4.991	10/7/2020	5.5	No	13	5.8	0.3549	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-300	5.229	4.305	10/9/2020	4.6	No	14	4.767	0.2067	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-303	7.152	5.968	10/8/2020	6.68	No	14	6.56	0.2649	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	**MW-304**	**6.401**	**4.549**	**10/9/2020**	**6.49**	**Yes**	**14**	**5.475**	**0.4141**	**0**	**None**	**No**	**0.000752**	**Param Intra 1 of 2**
Field pH (SU)	MW-305	5.367	4.441	10/9/2020	4.93	No	14	4.904	0.2071	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-308	6.805	5.551	10/8/2020	5.78	No	14	6.178	0.2805	0	None	No	0.000752	Param Intra 1 of 2

Appendix III Trend Test Summary - 100 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/7/2021, 5:09 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**MW-109**	**0.06879**	**69**	**63**	**Yes**	**17**	**23.53**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-103**	**-0.2642**	**-71**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-307 (bg)**	**-0.1486**	**-93**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-109**	**0.4966**	**91**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-100 (bg)**	**0.3582**	**68**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-103**	**2.386**	**105**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-109**	**1.672**	**84**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	**MW-307 (bg)**	**-0.1302**	**-81**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-108 (bg)**	**0.4349**	**66**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Test Summary - 100 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/7/2021, 5:09 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	MW-100 (bg)	0	-25	-63	No	17	88.24	n/a	n/a	0.01	NP
Boron (mg/L)	MW-101 (bg)	0	-19	-63	No	17	82.35	n/a	n/a	0.01	NP
Boron (mg/L)	MW-103	-0.0156	-23	-68	No	18	16.67	n/a	n/a	0.01	NP
Boron (mg/L)	MW-104	0.3887	33	68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	MW-105	0.1058	38	68	No	18	11.11	n/a	n/a	0.01	NP
Boron (mg/L)	MW-107 (bg)	0	-27	-63	No	17	88.24	n/a	n/a	0.01	NP
Boron (mg/L)	MW-108 (bg)	0	-25	-63	No	17	76.47	n/a	n/a	0.01	NP
Boron (mg/L)	MW-306 (bg)	0	-27	-63	No	17	88.24	n/a	n/a	0.01	NP
Boron (mg/L)	MW-307 (bg)	0	-27	-63	No	17	88.24	n/a	n/a	0.01	NP
Boron (mg/L)	**MW-109**	**0.06879**	**69**	**63**	**Yes**	**17**	**23.53**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	MW-110	0.3257	63	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-100 (bg)	0.03825	45	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-101 (bg)	-0.01915	-34	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-103**	**-0.2642**	**-71**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-104	2.759	47	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-105	0.7929	11	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-107 (bg)	-0.03081	-42	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-108 (bg)	0.05435	42	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-306 (bg)	0	-1	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-307 (bg)**	**-0.1486**	**-93**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-109**	**0.4966**	**91**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-110	2.38	38	68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-100 (bg)**	**0.3582**	**68**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-101 (bg)	0.1902	51	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-103**	**2.386**	**105**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-104	0	-1	-68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-105	4.451	17	68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-107 (bg)	-0.05999	-20	-63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-108 (bg)	-0.2346	-60	-63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-306 (bg)	0.2214	60	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-307 (bg)	0.1289	41	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-109**	**1.672**	**84**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-110	6.271	19	68	No	18	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-100 (bg)	-0.02297	-20	-63	No	17	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-101 (bg)	-0.01946	-10	-63	No	17	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-104	0.01959	29	68	No	18	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-107 (bg)	-0.009346	-3	-63	No	17	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-108 (bg)	0.0066	4	58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-306 (bg)	-0.01128	-14	-63	No	17	0	n/a	n/a	0.01	NP
Field pH (SU)	**MW-307 (bg)**	**-0.1302**	**-81**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	MW-100 (bg)	0	0	63	No	17	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-101 (bg)	0	2	63	No	17	94.12	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-103	0	31	63	No	17	88.24	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-104	-0.02672	-49	-68	No	18	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-107 (bg)	0	0	63	No	17	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-108 (bg)	0	0	63	No	17	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-306 (bg)	0	0	63	No	17	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-307 (bg)	0	16	63	No	17	94.12	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-100 (bg)	0	5	58	No	16	93.75	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-101 (bg)	0	-11	-63	No	17	88.24	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-103	-1.337	-35	-68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-104	33.21	20	68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-105	2.456	17	68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-107 (bg)	0	6	63	No	17	94.12	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-108 (bg)**	**0.4349**	**66**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Test Summary - 100 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/7/2021, 5:09 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Sulfate (mg/L)	MW-306 (bg)	0	0	63	No	17	94.12	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-307 (bg)	0	9	63	No	17	88.24	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-109	-0.529	-21	-68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-110	18.62	60	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-100 (bg)	3.611	29	63	No	17	23.53	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-101 (bg)	1.195	18	63	No	17	17.65	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-103	4.004	11	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-104	-32.27	-10	-68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-105	4.913	7	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-107 (bg)	0.4612	23	63	No	17	41.18	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-108 (bg)	0.4717	18	63	No	17	29.41	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-306 (bg)	2.695	37	63	No	17	29.41	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-307 (bg)	-0.4148	-6	-63	No	17	17.65	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-110	40.29	44	68	No	18	0	n/a	n/a	0.01	NP

Appendix III Trend Test Summary - 200 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/7/2021, 5:23 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**MW-200**	**-7.907**	**-118**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**MW-201**	**-8.039**	**-103**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**MW-206**	**-20.49**	**-132**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-307 (bg)**	**-0.1486**	**-93**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-200**	**-192.1**	**-127**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-201**	**-202.3**	**-122**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-206**	**-584**	**-143**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-100 (bg)**	**0.3582**	**68**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-200**	**-333.3**	**-102**	**-68**	**Yes**	**18**	**5.556**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-201**	**-419.4**	**-101**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-206**	**-1275**	**-124**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	**MW-307 (bg)**	**-0.1302**	**-81**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-108 (bg)**	**0.4349**	**66**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-200**	**-81.11**	**-96**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-201**	**-103.6**	**-123**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-206**	**-133.8**	**-114**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-200**	**-1244**	**-126**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-201**	**-1174**	**-106**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-206**	**-3045**	**-112**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Test Summary - 200 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/7/2021, 5:23 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	MW-100 (bg)	0	-25	-63	No	17	88.24	n/a	n/a	0.01	NP
Boron (mg/L)	MW-101 (bg)	0	-19	-63	No	17	82.35	n/a	n/a	0.01	NP
Boron (mg/L)	MW-107 (bg)	0	-27	-63	No	17	88.24	n/a	n/a	0.01	NP
Boron (mg/L)	MW-108 (bg)	0	-25	-63	No	17	76.47	n/a	n/a	0.01	NP
Boron (mg/L)	MW-306 (bg)	0	-27	-63	No	17	88.24	n/a	n/a	0.01	NP
Boron (mg/L)	MW-307 (bg)	0	-27	-63	No	17	88.24	n/a	n/a	0.01	NP
Boron (mg/L)	**MW-200**	**-7.907**	**-118**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**MW-201**	**-8.039**	**-103**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**MW-206**	**-20.49**	**-132**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-100 (bg)	0.03825	45	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-101 (bg)	-0.01915	-34	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-107 (bg)	-0.03081	-42	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-108 (bg)	0.05435	42	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-306 (bg)	0	-1	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-307 (bg)**	**-0.1486**	**-93**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-200**	**-192.1**	**-127**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-201**	**-202.3**	**-122**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-206**	**-584**	**-143**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-100 (bg)**	**0.3582**	**68**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-101 (bg)	0.1902	51	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-107 (bg)	-0.05999	-20	-63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-108 (bg)	-0.2346	-60	-63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-306 (bg)	0.2214	60	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-307 (bg)	0.1289	41	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-200**	**-333.3**	**-102**	**-68**	**Yes**	**18**	**5.556**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-201**	**-419.4**	**-101**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-206**	**-1275**	**-124**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	MW-100 (bg)	-0.02297	-20	-63	No	17	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-101 (bg)	-0.01946	-10	-63	No	17	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-107 (bg)	-0.009346	-3	-63	No	17	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-108 (bg)	0.0066	4	58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-306 (bg)	-0.01128	-14	-63	No	17	0	n/a	n/a	0.01	NP
Field pH (SU)	**MW-307 (bg)**	**-0.1302**	**-81**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	MW-200	0.05034	45	68	No	18	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-206	0.113	67	68	No	18	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-100 (bg)	0	0	63	No	17	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-101 (bg)	0	2	63	No	17	94.12	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-107 (bg)	0	0	63	No	17	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-108 (bg)	0	0	63	No	17	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-306 (bg)	0	0	63	No	17	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-307 (bg)	0	16	63	No	17	94.12	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-201	-0.02633	-12	-68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-100 (bg)	0	5	58	No	16	93.75	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-101 (bg)	0	-11	-63	No	17	88.24	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-107 (bg)	0	6	63	No	17	94.12	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-108 (bg)**	**0.4349**	**66**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	MW-306 (bg)	0	0	63	No	17	94.12	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-307 (bg)	0	9	63	No	17	88.24	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-200**	**-81.11**	**-96**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-201**	**-103.6**	**-123**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-206**	**-133.8**	**-114**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	MW-100 (bg)	3.611	29	63	No	17	23.53	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-101 (bg)	1.195	18	63	No	17	17.65	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-107 (bg)	0.4612	23	63	No	17	41.18	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-108 (bg)	0.4717	18	63	No	17	29.41	n/a	n/a	0.01	NP

Appendix III Trend Test Summary - 200 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/7/2021, 5:23 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Total Dissolved Solids (mg/L)	MW-306 (bg)	2.695	37	63	No	17	29.41	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-307 (bg)	-0.4148	-6	-63	No	17	17.65	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	**MW-200**	**-1244**	**-126**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-201**	**-1174**	**-106**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-206**	**-3045**	**-112**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Test Summary - 300 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/7/2021, 5:36 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	**MW-307 (bg)**	**-0.1486**	**-93**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-100 (bg)**	**0.3582**	**68**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	**MW-307 (bg)**	**-0.1302**	**-81**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-108 (bg)**	**0.4349**	**66**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-308**	**-29.44**	**-96**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Test Summary - 300 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/7/2021, 5:36 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	MW-100 (bg)	0	-25	-63	No	17	88.24	n/a	n/a	0.01	NP
Boron (mg/L)	MW-101 (bg)	0	-19	-63	No	17	82.35	n/a	n/a	0.01	NP
Boron (mg/L)	MW-107 (bg)	0	-27	-63	No	17	88.24	n/a	n/a	0.01	NP
Boron (mg/L)	MW-108 (bg)	0	-25	-63	No	17	76.47	n/a	n/a	0.01	NP
Boron (mg/L)	MW-306 (bg)	0	-27	-63	No	17	88.24	n/a	n/a	0.01	NP
Boron (mg/L)	MW-307 (bg)	0	-27	-63	No	17	88.24	n/a	n/a	0.01	NP
Boron (mg/L)	MW-303	0.2033	21	68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	MW-304	0.2906	42	68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	MW-308	-0.5887	-47	-68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-100 (bg)	0.03825	45	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-101 (bg)	-0.01915	-34	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-107 (bg)	-0.03081	-42	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-108 (bg)	0.05435	42	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-306 (bg)	0	-1	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-307 (bg)**	**-0.1486**	**-93**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-303	4.701	43	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-304	-5.048	-32	-68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-308	-4.526	-53	-68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-100 (bg)**	**0.3582**	**68**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-101 (bg)	0.1902	51	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-107 (bg)	-0.05999	-20	-63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-108 (bg)	-0.2346	-60	-63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-306 (bg)	0.2214	60	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-307 (bg)	0.1289	41	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-300	0.04932	16	68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-303	10.45	39	68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-304	-5.59	-14	-68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-305	0.1367	27	68	No	18	5.556	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-308	2.332	4	68	No	18	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-100 (bg)	-0.02297	-20	-63	No	17	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-101 (bg)	-0.01946	-10	-63	No	17	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-107 (bg)	-0.009346	-3	-63	No	17	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-108 (bg)	0.0066	4	58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-306 (bg)	-0.01128	-14	-63	No	17	0	n/a	n/a	0.01	NP
Field pH (SU)	**MW-307 (bg)**	**-0.1302**	**-81**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	MW-304	0.111	51	68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-100 (bg)	0	5	58	No	16	93.75	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-101 (bg)	0	-11	-63	No	17	88.24	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-107 (bg)	0	6	63	No	17	94.12	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-108 (bg)**	**0.4349**	**66**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	MW-306 (bg)	0	0	63	No	17	94.12	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-307 (bg)	0	9	63	No	17	88.24	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-303	0	7	68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-304	-32.3	-32	-68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-308**	**-29.44**	**-96**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	MW-100 (bg)	3.611	29	63	No	17	23.53	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-101 (bg)	1.195	18	63	No	17	17.65	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-107 (bg)	0.4612	23	63	No	17	41.18	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-108 (bg)	0.4717	18	63	No	17	29.41	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-306 (bg)	2.695	37	63	No	17	29.41	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-307 (bg)	-0.4148	-6	-63	No	17	17.65	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-303	26.5	20	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-304	-68.03	-30	-68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-308	-38.1	-57	-68	No	18	0	n/a	n/a	0.01	NP

Tolerance Limit Summary Table

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/7/2021, 5:53 PM

Constituent	Well	Upper Lim.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.0025	84	n/a	n/a	100	n/a	n/a	0.01345	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.0013	90	n/a	n/a	88.89	n/a	n/a	0.009888	NP Inter(NDs)
Barium (mg/L)	n/a	0.01944	90	0.1136	0.01328	0	None	sqrt(x)	0.05	Inter
Beryllium (mg/L)	n/a	0.0015	90	n/a	n/a	90	n/a	n/a	0.009888	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0025	90	n/a	n/a	100	n/a	n/a	0.009888	NP Inter(NDs)
Chromium (mg/L)	n/a	0.0059	89	n/a	n/a	85.39	n/a	n/a	0.01041	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.0032	90	n/a	n/a	37.78	n/a	n/a	0.009888	NP Inter(normality)
Combined Radium 226 + 228 (pCi/L)	n/a	2.252	90	1.006	0.1571	3.333	None	x^(1/3)	0.05	Inter
Fluoride (mg/L)	n/a	0.12	96	n/a	n/a	97.92	n/a	n/a	0.007269	NP Inter(NDs)
Lead (mg/L)	n/a	0.0013	90	n/a	n/a	96.67	n/a	n/a	0.009888	NP Inter(NDs)
Lithium (mg/L)	n/a	0.0054	89	n/a	n/a	70.79	n/a	n/a	0.01041	NP Inter(normality)
Mercury (mg/L)	n/a	0.00025	90	n/a	n/a	93.33	n/a	n/a	0.009888	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.015	90	n/a	n/a	96.67	n/a	n/a	0.009888	NP Inter(NDs)
Selenium (mg/L)	n/a	0.0025	90	n/a	n/a	80	n/a	n/a	0.009888	NP Inter(NDs)
Thallium (mg/L)	n/a	0.0005	90	n/a	n/a	100	n/a	n/a	0.009888	NP Inter(NDs)

PLANT CRIST GWPS				
Constituent Name	**MCL**	**CCR Rule-Specified**	**Background**	**GWPS**
Antimony, Total (mg/L)	0.006		0.0025	0.006
Arsenic, Total (mg/L)	0.01		0.0013	0.01
Barium, Total (mg/L)	2		0.019	2
Beryllium, Total (mg/L)	0.004		0.0015	0.004
Cadmium, Total (mg/L)	0.005		0.0025	0.005
Chromium, Total (mg/L)	0.1		0.0059	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.0032	0.006
Combined Radium, Total (pCi/L)	5		2.25	5
Fluoride, Total (mg/L)	4		0.12	4
Lead, Total (mg/L)	0.015		0.0013	0.015
Lithium, Total (mg/L)	n/a	0.04	0.0054	0.04
Mercury, Total (mg/L)	0.002		0.00025	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.015	0.1
Selenium, Total (mg/L)	0.05		0.0025	0.05
Thallium, Total (mg/L)	0.002		0.0005	0.002

MCL = Maximum Contaminant Level

GWPS = Groundwater Protection Standard

Confidence Interval Summary Table - 100 Series - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/12/2021, 4:35 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	**MW-104**	**0.02119**	**0.01418**	**0.006**	**Yes**	**16**	**0.01769**	**0.005388**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-104**	**18.25**	**12.73**	**5**	**Yes**	**16**	**15.49**	**4.237**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-110**	**7.31**	**5.53**	**5**	**Yes**	**16**	**6.42**	**1.368**	**0**	**None**	**No**	**0.01**	**Param.**
Mercury (mg/L)	**MW-110**	**0.006042**	**0.003613**	**0.002**	**Yes**	**16**	**0.004828**	**0.001867**	**0**	**None**	**No**	**0.01**	**Param.**

Confidence Interval Summary Table - 100 Series - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/12/2021, 4:35 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-102	0.0025	0.0025	0.006	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-103	0.0025	0.0025	0.006	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-104	0.0025	0.0025	0.006	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-105	0.0025	0.0025	0.006	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-106	0.0025	0.0025	0.006	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-109	0.0025	0.0025	0.006	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-110	0.0025	0.0025	0.006	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-102	0.0013	0.0005	0.01	No	16	0.00125	0.0002	93.75	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-103	0.0021	0.00051	0.01	No	16	0.001231	0.0004017	81.25	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-104	0.007459	0.002914	0.01	No	16	0.005187	0.003493	6.25	None	No	0.01	Param.
Arsenic (mg/L)	MW-105	0.00442	0.003655	0.01	No	16	0.004038	0.0005875	0	None	No	0.01	Param.
Arsenic (mg/L)	MW-106	0.0013	0.0013	0.01	No	16	0.0013	0	100	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-109	0.0013	0.00025	0.01	No	16	0.001234	0.0002625	93.75	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-110	0.0013	0.00047	0.01	No	16	0.0009169	0.0004641	56.25	None	No	0.01	NP (normality)
Barium (mg/L)	MW-102	0.012	0.0085	2	No	16	0.009963	0.001485	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-103	0.06114	0.04534	2	No	16	0.05194	0.01459	0	None	x^2	0.01	Param.
Barium (mg/L)	MW-104	0.02554	0.01996	2	No	16	0.02275	0.004282	0	None	No	0.01	Param.
Barium (mg/L)	MW-105	0.04818	0.03695	2	No	16	0.04256	0.008633	0	None	No	0.01	Param.
Barium (mg/L)	MW-106	0.012	0.0096	2	No	16	0.01094	0.002031	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-109	0.02193	0.01807	2	No	16	0.02	0.002966	0	None	No	0.01	Param.
Barium (mg/L)	MW-110	0.04674	0.03513	2	No	16	0.04094	0.008925	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-102	0.0025	0.00011	0.004	No	16	0.002351	0.0005975	93.75	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-103	0.0025	0.0025	0.004	No	16	0.0025	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-104	0.0012	0.000776	0.004	No	16	0.0009881	0.0003261	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-105	0.0025	0.0025	0.004	No	16	0.0025	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-106	0.0025	0.0025	0.004	No	16	0.0025	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-109	0.0025	0.000044	0.004	No	16	0.002346	0.000614	93.75	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-110	0.0025	0.00013	0.004	No	16	0.002201	0.0008174	87.5	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-102	0.0025	0.0025	0.005	No	16	0.0025	0	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-103	0.0025	0.0025	0.005	No	16	0.0025	0	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-104	0.0025	0.00044	0.005	No	16	0.001502	0.001034	50	None	No	0.01	NP (normality)
Cadmium (mg/L)	MW-105	0.0025	0.0025	0.005	No	16	0.0025	0	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-106	0.0025	0.0025	0.005	No	16	0.0025	0	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-109	0.0025	0.000078	0.005	No	16	0.002349	0.0006055	93.75	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-110	0.0025	0.00032	0.005	No	16	0.002214	0.0007814	87.5	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-102	0.0028	0.00037	0.1	No	16	0.002386	0.0005427	87.5	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-103	0.0052	0.0011	0.1	No	16	0.002302	0.001113	75	None	No	0.01	NP (normality)
Chromium (mg/L)	MW-104	0.002554	0.001806	0.1	No	16	0.002112	0.0004911	18.75	Cohen`s	No	0.01	Param.
Chromium (mg/L)	MW-105	0.0028	0.002	0.1	No	16	0.002406	0.0003415	6.25	None	No	0.01	NP (normality)
Chromium (mg/L)	MW-106	0.0025	0.0019	0.1	No	16	0.002462	0.00015	93.75	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-109	0.0025	0.0025	0.1	No	16	0.0025	0	100	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-110	0.0025	0.0016	0.1	No	16	0.002182	0.0007273	81.25	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-102	0.0025	0.00023	0.006	No	16	0.002212	0.0007874	87.5	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-103	0.0025	0.00041	0.006	No	16	0.001741	0.001028	62.5	None	No	0.01	NP (normality)
Cobalt (mg/L)	**MW-104**	**0.02119**	**0.01418**	**0.006**	**Yes**	**16**	**0.01769**	**0.005388**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	MW-105	0.0025	0.00087	0.006	No	16	0.002265	0.0006486	87.5	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-106	0.0025	0.0004	0.006	No	16	0.001039	0.0008846	25	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-109	0.00634	0.003691	0.006	No	16	0.005016	0.002036	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-110	0.019	0.0047	0.006	No	16	0.009956	0.006677	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	MW-102	1.822	1.186	5	No	16	1.534	0.5428	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-103	6.971	4.897	5	No	16	5.934	1.594	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**MW-104**	**18.25**	**12.73**	**5**	**Yes**	**16**	**15.49**	**4.237**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	MW-105	4.304	2.635	5	No	16	3.531	1.35	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-106	1.276	0.7164	5	No	16	1.02	0.4806	6.25	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-109	2.581	1.554	5	No	16	2.068	0.7896	0	None	No	0.01	Param.

Confidence Interval Summary Table - 100 Series - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/12/2021, 4:35 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-110**	**7.31**	**5.53**	**5**	**Yes**	**16**	**6.42**	**1.368**	**0**	**None**	**No**	**0.01**	**Param.**
Fluoride (mg/L)	MW-102	0.1	0.1	4	No	17	0.1	0	100	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-103	0.24	0.037	4	No	17	0.1045	0.0381	88.24	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-104	0.3547	0.2431	4	No	18	0.2989	0.09222	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-105	0.1	0.04	4	No	17	0.08241	0.02809	70.59	None	No	0.01	NP (normality)
Fluoride (mg/L)	MW-106	0.1	0.1	4	No	17	0.1	0	100	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-109	0.1	0.1	4	No	17	0.1	0	100	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-110	0.1	0.04	4	No	17	0.07876	0.02964	64.71	None	No	0.01	NP (normality)
Lead (mg/L)	MW-102	0.0013	0.00018	0.015	No	16	0.001158	0.0003895	87.5	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-103	0.0013	0.00011	0.015	No	16	0.001226	0.0002975	93.75	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-104	0.0024	0.001825	0.015	No	16	0.002113	0.0004425	0	None	No	0.01	Param.
Lead (mg/L)	MW-105	0.0013	0.00091	0.015	No	16	0.001202	0.0003045	87.5	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-106	0.0013	0.00039	0.015	No	16	0.001243	0.0002275	93.75	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-109	0.0013	0.00067	0.015	No	16	0.001105	0.0004216	75	None	No	0.01	NP (normality)
Lead (mg/L)	MW-110	0.0013	0.00033	0.015	No	16	0.001056	0.0004363	75	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-102	0.005	0.0014	0.04	No	16	0.004281	0.001548	81.25	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-103	0.005	0.0015	0.04	No	16	0.003479	0.001687	50	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-104	0.035	0.02059	0.04	No	16	0.02838	0.01181	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	MW-105	0.005	0.00039	0.04	No	16	0.004712	0.001152	93.75	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-106	0.0073	0.0012	0.04	No	16	0.004019	0.00201	62.5	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-109	0.006618	0.005055	0.04	No	16	0.005869	0.001277	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	MW-110	0.01066	0.007564	0.04	No	16	0.009113	0.00238	0	None	No	0.01	Param.
Mercury (mg/L)	MW-102	0.0002	0.000094	0.002	No	16	0.0001867	0.00003621	87.5	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-103	0.00062	0.00016	0.002	No	16	0.0002187	0.0001092	81.25	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-104	0.001348	0.000727	0.002	No	16	0.001066	0.0005237	0	None	sqrt(x)	0.01	Param.
Mercury (mg/L)	MW-105	0.0002	0.0002	0.002	No	16	0.0002	0	100	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-106	0.0002	0.00008	0.002	No	16	0.0001925	0.00003	93.75	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-109	0.0012	0.000097	0.002	No	16	0.0005186	0.0008094	75	None	No	0.01	NP (normality)
Mercury (mg/L)	**MW-110**	**0.006042**	**0.003613**	**0.002**	**Yes**	**16**	**0.004828**	**0.001867**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	MW-102	0.015	0.015	0.1	No	16	0.015	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-103	0.015	0.015	0.1	No	16	0.015	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-104	0.015	0.015	0.1	No	16	0.015	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-105	0.0054	0.0032	0.1	No	16	0.004987	0.003084	6.25	None	No	0.01	NP (normality)
Molybdenum (mg/L)	MW-106	0.015	0.015	0.1	No	16	0.015	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-109	0.015	0.015	0.1	No	16	0.015	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-110	0.015	0.015	0.1	No	16	0.015	0	100	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-102	0.0013	0.00029	0.05	No	16	0.001085	0.0004198	75	None	No	0.01	NP (normality)
Selenium (mg/L)	MW-103	0.0029	0.001975	0.05	No	16	0.002438	0.0007108	6.25	None	No	0.01	Param.
Selenium (mg/L)	MW-104	0.01164	0.005012	0.05	No	16	0.008744	0.005635	0	None	sqrt(x)	0.01	Param.
Selenium (mg/L)	MW-105	0.0013	0.00038	0.05	No	16	0.000905	0.0004677	56.25	None	No	0.01	NP (normality)
Selenium (mg/L)	MW-106	0.0013	0.0013	0.05	No	16	0.0013	0	100	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-109	0.0013	0.00024	0.05	No	16	0.001165	0.000369	87.5	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-110	0.003602	0.003161	0.05	No	16	0.003381	0.0003391	0	None	No	0.01	Param.
Thallium (mg/L)	MW-102	0.0005	0.00021	0.002	No	16	0.0004819	0.0000725	93.75	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-103	0.0005	0.00015	0.002	No	16	0.0004485	0.0001425	87.5	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-104	0.000339	0.0002347	0.002	No	16	0.0002869	0.00008014	0	None	No	0.01	Param.
Thallium (mg/L)	MW-105	0.0005	0.00024	0.002	No	16	0.0004838	0.000065	93.75	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-106	0.0005	0.0005	0.002	No	16	0.0005	0	100	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-109	0.0005	0.00012	0.002	No	16	0.0004763	0.000095	93.75	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-110	0.0002981	0.0002331	0.002	No	16	0.0002656	0.00004993	0	None	No	0.01	Param.

Confidence Interval Summary Table - 200 Series - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/12/2021, 4:38 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-200**	**17.15**	**8.109**	**5**	**Yes**	**16**	**12.63**	**6.949**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-201**	**22.8**	**6.52**	**5**	**Yes**	**16**	**13.31**	**8.101**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Combined Radium 226 + 228 (pCi/L)	**MW-206**	**29.38**	**13.57**	**5**	**Yes**	**16**	**21.48**	**12.15**	**0**	**None**	**No**	**0.01**	**Param.**

Confidence Interval Summary Table - 200 Series - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/12/2021, 4:38 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-200	0.0025	0.0025	0.006	No	14	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-201	0.0025	0.001	0.006	No	14	0.002286	0.0005447	85.71	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-206	0.0025	0.0011	0.006	No	14	0.0024	0.0003742	92.86	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-200	0.002919	0.0009315	0.01	No	16	0.002093	0.001748	12.5	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	MW-201	0.0068	0.0009	0.01	No	16	0.003084	0.003038	37.5	None	No	0.01	NP (Cohens/xfrm)
Arsenic (mg/L)	MW-206	0.009888	0.002491	0.01	No	16	0.006934	0.006444	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	MW-200	0.0647	0.03644	2	No	16	0.05057	0.02171	0	None	No	0.01	Param.
Barium (mg/L)	MW-201	0.06768	0.03569	2	No	16	0.05169	0.02458	0	None	No	0.01	Param.
Barium (mg/L)	MW-206	0.1092	0.06072	2	No	16	0.08494	0.03723	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-200	0.0025	0.000045	0.004	No	16	0.002347	0.0006137	93.75	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-201	0.0025	0.000069	0.004	No	16	0.002348	0.0006077	93.75	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-206	0.0025	0.00048	0.004	No	16	0.001968	0.0009568	75	None	No	0.01	NP (normality)
Cadmium (mg/L)	MW-200	0.0025	0.00091	0.005	No	15	0.002127	0.0007778	80	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-201	0.014	0.0017	0.005	No	16	0.006456	0.005653	6.25	None	No	0.01	NP (normality)
Cadmium (mg/L)	MW-206	0.0027	0.00055	0.005	No	16	0.001889	0.001067	6.25	None	No	0.01	NP (normality)
Chromium (mg/L)	MW-200	0.0025	0.0025	0.1	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-201	0.0025	0.0011	0.1	No	13	0.002392	0.0003883	92.31	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-206	0.0026	0.0025	0.1	No	13	0.002508	0.00002774	92.31	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-200	0.002536	0.001308	0.006	No	16	0.001465	0.00063	25	Cohen`s	No	0.01	Param.
Cobalt (mg/L)	MW-201	0.002962	0.001477	0.006	No	16	0.002297	0.001305	6.25	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	MW-206	0.004744	0.002302	0.006	No	16	0.003523	0.001877	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**MW-200**	**17.15**	**8.109**	**5**	**Yes**	**16**	**12.63**	**6.949**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-201**	**22.8**	**6.52**	**5**	**Yes**	**16**	**13.31**	**8.101**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Combined Radium 226 + 228 (pCi/L)	**MW-206**	**29.38**	**13.57**	**5**	**Yes**	**16**	**21.48**	**12.15**	**0**	**None**	**No**	**0.01**	**Param.**
Fluoride (mg/L)	MW-200	0.088	0.05	4	No	17	0.08118	0.06057	23.53	None	No	0.01	NP (normality)
Fluoride (mg/L)	MW-201	0.7555	0.4867	4	No	18	0.6211	0.2222	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-206	0.1	0.045	4	No	18	0.06717	0.02656	5.556	None	No	0.01	NP (normality)
Lead (mg/L)	MW-200	0.001402	0.0007381	0.015	No	16	0.00107	0.0005101	12.5	None	No	0.01	Param.
Lead (mg/L)	MW-201	0.0013	0.00061	0.015	No	16	0.001058	0.0003748	68.75	None	No	0.01	NP (normality)
Lead (mg/L)	MW-206	0.01	0.001	0.015	No	16	0.005639	0.004013	0	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-200	0.01	0.0025	0.04	No	16	0.004756	0.001853	75	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-201	0.0078	0.0042	0.04	No	16	0.006856	0.007707	12.5	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-206	0.005	0.0014	0.04	No	16	0.004537	0.001264	87.5	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-200	0.002276	0.001008	0.002	No	16	0.001642	0.0009743	0	None	No	0.01	Param.
Mercury (mg/L)	MW-201	0.0026	0.00026	0.002	No	16	0.001363	0.00105	0	None	No	0.01	NP (normality)
Mercury (mg/L)	MW-206	0.0007	0.0001	0.002	No	16	0.0003394	0.000288	25	None	No	0.01	NP (Cohens/xfrm)
Molybdenum (mg/L)	MW-200	0.015	0.0078	0.1	No	14	0.01449	0.001924	92.86	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-201	0.015	0.0015	0.1	No	14	0.01404	0.003608	92.86	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-206	0.015	0.00092	0.1	No	14	0.01399	0.003763	92.86	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-200	0.01244	0.005167	0.05	No	16	0.009281	0.00577	0	None	sqrt(x)	0.01	Param.
Selenium (mg/L)	MW-201	0.01167	0.004097	0.05	No	16	0.008475	0.005824	0	None	sqrt(x)	0.01	Param.
Selenium (mg/L)	MW-206	0.01876	0.01256	0.05	No	16	0.01566	0.004765	0	None	No	0.01	Param.
Thallium (mg/L)	MW-200	0.00041	0.00005	0.002	No	16	0.0002086	0.000169	25	None	No	0.01	NP (Cohens/xfrm)
Thallium (mg/L)	MW-201	0.0004225	0.0002087	0.002	No	16	0.0003156	0.0001643	0	None	No	0.01	Param.
Thallium (mg/L)	MW-206	0.00089	0.00023	0.002	No	16	0.0005869	0.0003067	0	None	No	0.01	NP (normality)

Confidence Interval Summary Table - 300 Series - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/13/2021, 10:20 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	**MW-304**	**0.02083**	**0.006728**	**0.006**	**Yes**	**10**	**0.01378**	**0.007904**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	**MW-303**	**1.59**	**0.8622**	**0.1**	**Yes**	**16**	**1.259**	**0.5919**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**

Confidence Interval Summary Table - 300 Series - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/13/2021, 10:20 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-300	0.0025	0.0025	0.006	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-303	0.0025	0.0025	0.006	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-304	0.0025	0.0025	0.006	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-305	0.0025	0.0025	0.006	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-308	0.0025	0.0025	0.006	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-300	0.0013	0.0013	0.01	No	14	0.0013	0	100	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-303	0.001588	0.0008995	0.01	No	14	0.001244	0.0004858	42.86	None	No	0.01	Param.
Arsenic (mg/L)	MW-304	0.005	0.00053	0.01	No	11	0.001841	0.001796	18.18	None	No	0.006	NP (Cohens/xfrm)
Arsenic (mg/L)	MW-305	0.0013	0.00057	0.01	No	14	0.001185	0.0002938	85.71	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-308	0.0013	0.0011	0.01	No	14	0.001226	0.0002267	85.71	None	No	0.01	NP (NDs)
Barium (mg/L)	MW-300	0.012	0.01	2	No	16	0.01131	0.0007932	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-303	0.04574	0.02854	2	No	16	0.03863	0.01587	0	None	ln(x)	0.01	Param.
Barium (mg/L)	MW-304	0.04214	0.02724	2	No	16	0.03469	0.01145	0	None	No	0.01	Param.
Barium (mg/L)	MW-305	0.02	0.016	2	No	16	0.01906	0.005221	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-308	0.02725	0.02112	2	No	16	0.02419	0.004708	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-300	0.0025	0.0025	0.004	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-303	0.0025	0.000074	0.004	No	13	0.002313	0.0006729	92.31	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-304	0.0025	0.0025	0.004	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-305	0.0025	0.0025	0.004	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-308	0.0025	0.0025	0.004	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-300	0.0025	0.000075	0.005	No	16	0.002348	0.0006062	93.75	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-303	0.0025	0.00036	0.005	No	16	0.0009794	0.000915	25	None	No	0.01	NP (normality)
Cadmium (mg/L)	MW-304	0.0025	0.001	0.005	No	16	0.002296	0.0005606	87.5	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-305	0.0025	0.000076	0.005	No	16	0.002348	0.000606	93.75	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-308	0.0025	0.000089	0.005	No	16	0.002349	0.0006027	93.75	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-300	0.0037	0.0025	0.1	No	13	0.002592	0.0003328	92.31	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-303	0.0025	0.0025	0.1	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-304	0.0025	0.0016	0.1	No	13	0.002331	0.0004211	84.62	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-305	0.0025	0.0016	0.1	No	13	0.002431	0.0002496	84.62	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-308	0.0025	0.00082	0.1	No	13	0.002371	0.0004659	92.31	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-300	0.0025	0.00093	0.006	No	16	0.002119	0.0008327	81.25	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-303	0.0025	0.00051	0.006	No	16	0.001317	0.0009518	37.5	None	No	0.01	NP (normality)
Cobalt (mg/L)	**MW-304**	**0.02083**	**0.006728**	**0.006**	**Yes**	**10**	**0.01378**	**0.007904**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	MW-305	0.0025	0.00044	0.006	No	16	0.001162	0.0009454	31.25	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-308	0.0025	0.00063	0.006	No	16	0.002262	0.0006508	87.5	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	MW-300	5.563	4.75	5	No	16	5.156	0.6245	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-303	6.89	4.37	5	No	16	6.15	2.092	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	MW-304	7.16	3.769	5	No	16	5.464	2.606	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-305	1.623	1.211	5	No	16	1.417	0.3165	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-308	3.086	2.248	5	No	16	2.667	0.6445	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-300	0.1	0.041	4	No	17	0.09653	0.01431	94.12	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-303	0.2503	0.1608	4	No	18	0.2056	0.0739	5.556	None	No	0.01	Param.
Fluoride (mg/L)	MW-304	0.12	0.06	4	No	17	0.09529	0.0371	47.06	None	No	0.01	NP (Cohens/xfrm)
Fluoride (mg/L)	MW-305	0.1	0.035	4	No	17	0.09618	0.01576	94.12	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-308	0.1353	0.07916	4	No	18	0.1072	0.04638	0	None	No	0.01	Param.
Lead (mg/L)	MW-300	0.0013	0.000083	0.015	No	13	0.001206	0.0003375	92.31	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-303	0.0013	0.00011	0.015	No	13	0.001208	0.00033	92.31	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-304	0.0014	0.00041	0.015	No	13	0.0009385	0.0004446	46.15	None	No	0.01	NP (normality)
Lead (mg/L)	MW-305	0.0013	0.0013	0.015	No	13	0.0013	0	100	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-308	0.0013	0.0013	0.015	No	13	0.0013	0	100	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-300	0.005	0.0014	0.04	No	16	0.004227	0.001669	81.25	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-303	0.02828	0.02306	0.04	No	16	0.02575	0.004171	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	MW-304	0.005	0.0023	0.04	No	16	0.004219	0.001398	68.75	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-305	0.005	0.0014	0.04	No	16	0.004213	0.001702	81.25	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-308	0.005	0.0013	0.04	No	16	0.0041	0.001624	75	None	No	0.01	NP (normality)

Confidence Interval Summary Table - 300 Series - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/13/2021, 10:20 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	MW-300	0.0002	0.0002	0.002	No	16	0.0002	0	100	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-303	0.0002	0.0002	0.002	No	16	0.0002	0	100	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-304	0.00082	0.0002	0.002	No	16	0.0004804	0.0003221	18.75	None	No	0.01	NP (Cohens/xfrm)
Mercury (mg/L)	MW-305	0.0002	0.00014	0.002	No	16	0.0001962	0.000015	93.75	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-308	0.0002	0.000087	0.002	No	16	0.0001929	0.00002825	93.75	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-300	0.015	0.015	0.1	No	16	0.015	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	**MW-303**	**1.59**	**0.8622**	**0.1**	**Yes**	**16**	**1.259**	**0.5919**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Molybdenum (mg/L)	MW-304	0.015	0.0029	0.1	No	16	0.01014	0.005792	56.25	None	No	0.01	NP (normality)
Molybdenum (mg/L)	MW-305	0.015	0.0016	0.1	No	16	0.01416	0.00335	93.75	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-308	0.015	0.00098	0.1	No	16	0.01412	0.003505	93.75	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-300	0.0013	0.0013	0.05	No	16	0.0013	0	100	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-303	0.00611	0.003465	0.05	No	16	0.004788	0.002033	0	None	No	0.01	Param.
Selenium (mg/L)	MW-304	0.006685	0.004089	0.05	No	15	0.005387	0.001916	0	None	No	0.01	Param.
Selenium (mg/L)	MW-305	0.0013	0.00027	0.05	No	16	0.001236	0.0002575	93.75	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-308	0.005822	0.00364	0.05	No	16	0.004731	0.001677	0	None	No	0.01	Param.
Thallium (mg/L)	MW-300	0.0005	0.0005	0.002	No	16	0.0005	0	100	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-303	0.00027	0.00017	0.002	No	16	0.0002344	0.00008907	6.25	None	No	0.01	NP (normality)
Thallium (mg/L)	MW-304	0.0002586	0.0001363	0.002	No	16	0.0002128	0.0001241	12.5	None	ln(x)	0.01	Param.
Thallium (mg/L)	MW-305	0.0005	0.0005	0.002	No	16	0.0005	0	100	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-308	0.000335	0.000235	0.002	No	16	0.000285	0.00007685	6.25	None	No	0.01	Param.

Prediction Limits - 100, 200 & 300 Series

100 Series

Appendix III Interwell Prediction Limits - 100 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/11/2021, 1:43 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-103	0.081	n/a	10/8/2020	0.31	Yes	102	n/a	n/a	85.29	n/a	n/a	0.0001878	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-104	0.081	n/a	10/8/2020	12	Yes	102	n/a	n/a	85.29	n/a	n/a	0.0001878	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-105	0.081	n/a	10/8/2020	0.37	Yes	102	n/a	n/a	85.29	n/a	n/a	0.0001878	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-109	0.081	n/a	10/9/2020	0.37	Yes	102	n/a	n/a	85.29	n/a	n/a	0.0001878	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-110	0.081	n/a	10/9/2020	4.8	Yes	102	n/a	n/a	85.29	n/a	n/a	0.0001878	NP Inter (NDs) 1 of 2
Calcium (mg/L)	MW-103	1.376	n/a	10/8/2020	3.7	Yes	102	-0.3815	0.4191	0	None	ln(x)	0.002505	Param Inter 1 of 2
Calcium (mg/L)	MW-104	1.376	n/a	10/8/2020	59	Yes	102	-0.3815	0.4191	0	None	ln(x)	0.002505	Param Inter 1 of 2
Calcium (mg/L)	MW-105	1.376	n/a	10/8/2020	50	Yes	102	-0.3815	0.4191	0	None	ln(x)	0.002505	Param Inter 1 of 2
Calcium (mg/L)	MW-109	1.376	n/a	10/9/2020	5.9	Yes	102	-0.3815	0.4191	0	None	ln(x)	0.002505	Param Inter 1 of 2
Calcium (mg/L)	MW-110	1.376	n/a	10/9/2020	31	Yes	102	-0.3815	0.4191	0	None	ln(x)	0.002505	Param Inter 1 of 2
Chloride (mg/L)	MW-103	6.614	n/a	10/8/2020	18	Yes	102	5.234	0.825	0	None	No	0.002505	Param Inter 1 of 2
Chloride (mg/L)	MW-104	6.614	n/a	10/8/2020	95	Yes	102	5.234	0.825	0	None	No	0.002505	Param Inter 1 of 2
Chloride (mg/L)	MW-105	6.614	n/a	10/8/2020	26	Yes	102	5.234	0.825	0	None	No	0.002505	Param Inter 1 of 2
Chloride (mg/L)	MW-109	6.614	n/a	10/9/2020	22	Yes	102	5.234	0.825	0	None	No	0.002505	Param Inter 1 of 2
Chloride (mg/L)	MW-110	6.614	n/a	10/9/2020	100	Yes	102	5.234	0.825	0	None	No	0.002505	Param Inter 1 of 2
Field pH (SU)	MW-104	6.42	4.5	10/8/2020	4.13	Yes	101	n/a	n/a	0	n/a	n/a	0.0003815	NP Inter (normality) 1 of 2
Fluoride (mg/L)	MW-103	0.12	n/a	10/8/2020	0.24	Yes	102	n/a	n/a	98.04	n/a	n/a	0.0001878	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-104	0.12	n/a	10/8/2020	0.26	Yes	102	n/a	n/a	98.04	n/a	n/a	0.0001878	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-103	5	n/a	10/8/2020	30	Yes	101	n/a	n/a	76.24	n/a	n/a	0.0001907	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-104	5	n/a	10/8/2020	590	Yes	101	n/a	n/a	76.24	n/a	n/a	0.0001907	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-105	5	n/a	10/8/2020	9.3	Yes	101	n/a	n/a	76.24	n/a	n/a	0.0001907	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-109	5	n/a	10/9/2020	25	Yes	101	n/a	n/a	76.24	n/a	n/a	0.0001907	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-110	5	n/a	10/9/2020	280	Yes	101	n/a	n/a	76.24	n/a	n/a	0.0001907	NP Inter (NDs) 1 of 2
Total Dissolved Solids (mg/L)	MW-103	110	n/a	10/8/2020	120	Yes	102	n/a	n/a	26.47	n/a	n/a	0.0001878	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-104	110	n/a	10/8/2020	500	Yes	102	n/a	n/a	26.47	n/a	n/a	0.0001878	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-105	110	n/a	10/8/2020	260	Yes	102	n/a	n/a	26.47	n/a	n/a	0.0001878	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-110	110	n/a	10/9/2020	660	Yes	102	n/a	n/a	26.47	n/a	n/a	0.0001878	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - 100 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/11/2021, 1:43 PM

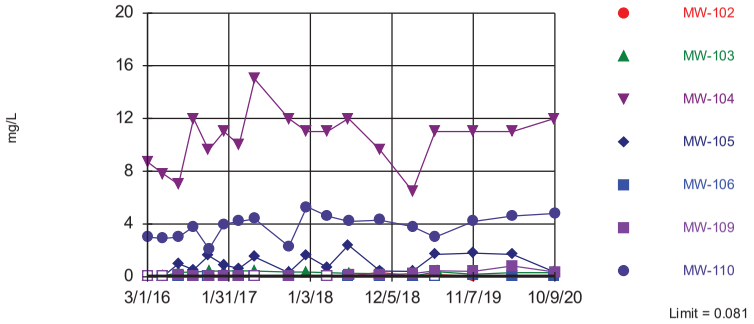
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-102	0.081	n/a	10/8/2020	0.033J	No	102	n/a	n/a	85.29	n/a	n/a	0.0001878	NP Inter (NDs) 1 of 2
Boron (mg/L)	**MW-103**	**0.081**	**n/a**	**10/8/2020**	**0.31**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001878**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-104**	**0.081**	**n/a**	**10/8/2020**	**12**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001878**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-105**	**0.081**	**n/a**	**10/8/2020**	**0.37**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001878**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	MW-106	0.081	n/a	10/8/2020	0.031J	No	102	n/a	n/a	85.29	n/a	n/a	0.0001878	NP Inter (NDs) 1 of 2
Boron (mg/L)	**MW-109**	**0.081**	**n/a**	**10/9/2020**	**0.37**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001878**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**MW-110**	**0.081**	**n/a**	**10/9/2020**	**4.8**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001878**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	MW-102	1.376	n/a	10/8/2020	0.67	No	102	-0.3815	0.4191	0	None	ln(x)	0.002505	Param Inter 1 of 2
Calcium (mg/L)	**MW-103**	**1.376**	**n/a**	**10/8/2020**	**3.7**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-104**	**1.376**	**n/a**	**10/8/2020**	**59**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-105**	**1.376**	**n/a**	**10/8/2020**	**50**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	MW-106	1.376	n/a	10/8/2020	0.51	No	102	-0.3815	0.4191	0	None	ln(x)	0.002505	Param Inter 1 of 2
Calcium (mg/L)	**MW-109**	**1.376**	**n/a**	**10/9/2020**	**5.9**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-110**	**1.376**	**n/a**	**10/9/2020**	**31**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	MW-102	6.614	n/a	10/8/2020	6.4	No	102	5.234	0.825	0	None	No	0.002505	Param Inter 1 of 2
Chloride (mg/L)	**MW-103**	**6.614**	**n/a**	**10/8/2020**	**18**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-104**	**6.614**	**n/a**	**10/8/2020**	**95**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-105**	**6.614**	**n/a**	**10/8/2020**	**26**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	MW-106	6.614	n/a	10/8/2020	5	No	102	5.234	0.825	0	None	No	0.002505	Param Inter 1 of 2
Chloride (mg/L)	**MW-109**	**6.614**	**n/a**	**10/9/2020**	**22**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	**MW-110**	**6.614**	**n/a**	**10/9/2020**	**100**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Field pH (SU)	MW-102	6.42	4.5	10/8/2020	4.87	No	101	n/a	n/a	0	n/a	n/a	0.0003815	NP Inter (normality) 1 of 2
Field pH (SU)	MW-103	6.42	4.5	10/8/2020	4.98	No	101	n/a	n/a	0	n/a	n/a	0.0003815	NP Inter (normality) 1 of 2
Field pH (SU)	**MW-104**	**6.42**	**4.5**	**10/8/2020**	**4.13**	**Yes**	**101**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0003815**	**NP Inter (normality) 1 of 2**
Field pH (SU)	MW-105	6.42	4.5	10/8/2020	6.29	No	101	n/a	n/a	0	n/a	n/a	0.0003815	NP Inter (normality) 1 of 2
Field pH (SU)	MW-106	6.42	4.5	10/8/2020	5.34	No	101	n/a	n/a	0	n/a	n/a	0.0003815	NP Inter (normality) 1 of 2
Field pH (SU)	MW-109	6.42	4.5	10/9/2020	4.77	No	101	n/a	n/a	0	n/a	n/a	0.0003815	NP Inter (normality) 1 of 2
Field pH (SU)	MW-110	6.42	4.5	10/9/2020	4.9	No	101	n/a	n/a	0	n/a	n/a	0.0003815	NP Inter (normality) 1 of 2
Fluoride (mg/L)	MW-102	0.12	n/a	10/8/2020	0.1ND	No	102	n/a	n/a	98.04	n/a	n/a	0.0001878	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**MW-103**	**0.12**	**n/a**	**10/8/2020**	**0.24**	**Yes**	**102**	**n/a**	**n/a**	**98.04**	**n/a**	**n/a**	**0.0001878**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	**MW-104**	**0.12**	**n/a**	**10/8/2020**	**0.26**	**Yes**	**102**	**n/a**	**n/a**	**98.04**	**n/a**	**n/a**	**0.0001878**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	MW-105	0.12	n/a	10/8/2020	0.04J	No	102	n/a	n/a	98.04	n/a	n/a	0.0001878	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-106	0.12	n/a	10/8/2020	0.1ND	No	102	n/a	n/a	98.04	n/a	n/a	0.0001878	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-109	0.12	n/a	10/9/2020	0.1ND	No	102	n/a	n/a	98.04	n/a	n/a	0.0001878	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	MW-110	0.12	n/a	10/9/2020	0.1ND	No	102	n/a	n/a	98.04	n/a	n/a	0.0001878	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	MW-102	5	n/a	10/8/2020	5ND	No	101	n/a	n/a	76.24	n/a	n/a	0.0001907	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-103**	**5**	**n/a**	**10/8/2020**	**30**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001907**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-104**	**5**	**n/a**	**10/8/2020**	**590**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001907**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-105**	**5**	**n/a**	**10/8/2020**	**9.3**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001907**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	MW-106	5	n/a	10/8/2020	5ND	No	101	n/a	n/a	76.24	n/a	n/a	0.0001907	NP Inter (NDs) 1 of 2
Sulfate (mg/L)	**MW-109**	**5**	**n/a**	**10/9/2020**	**25**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001907**	**NP Inter (NDs) 1 of 2**
Sulfate (mg/L)	**MW-110**	**5**	**n/a**	**10/9/2020**	**280**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001907**	**NP Inter (NDs) 1 of 2**
Total Dissolved Solids (mg/L)	MW-102	110	n/a	10/8/2020	32	No	102	n/a	n/a	26.47	n/a	n/a	0.0001878	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-103**	**110**	**n/a**	**10/8/2020**	**120**	**Yes**	**102**	**n/a**	**n/a**	**26.47**	**n/a**	**n/a**	**0.0001878**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-104**	**110**	**n/a**	**10/8/2020**	**500**	**Yes**	**102**	**n/a**	**n/a**	**26.47**	**n/a**	**n/a**	**0.0001878**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	**MW-105**	**110**	**n/a**	**10/8/2020**	**260**	**Yes**	**102**	**n/a**	**n/a**	**26.47**	**n/a**	**n/a**	**0.0001878**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids (mg/L)	MW-106	110	n/a	10/8/2020	100	No	102	n/a	n/a	26.47	n/a	n/a	0.0001878	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-109	110	n/a	10/9/2020	86	No	102	n/a	n/a	26.47	n/a	n/a	0.0001878	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-110**	**110**	**n/a**	**10/9/2020**	**660**	**Yes**	**102**	**n/a**	**n/a**	**26.47**	**n/a**	**n/a**	**0.0001878**	**NP Inter (normality) 1 of 2**

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-103, MW-104, MW-105, MW-109, MW-110

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 102 background values. 85.29% NDs. Annual per-constituent alpha = 0.001126. Individual comparison alpha = 0.0001878 (1 of 2). Comparing 7 points to limit.

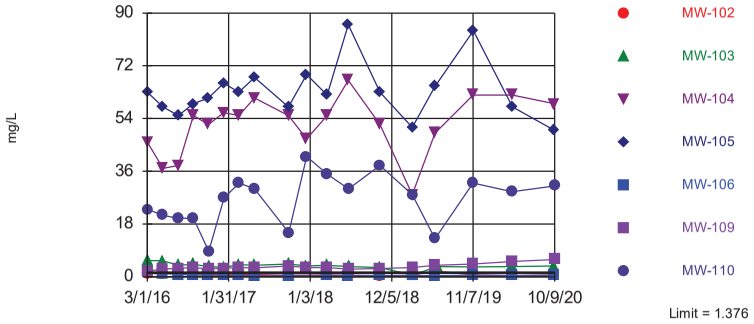
Constituent: Boron Analysis Run 1/11/2021 1:40 PM View: PL's Interwell 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Exceeds Limit: MW-103, MW-104, MW-105, MW-109, MW-110

Prediction Limit

Interwell Parametric



Background Data Summary (based on natural log transformation): Mean=-0.3815, Std. Dev.=0.4191, n=102. Normality test: Chi Squared @alpha = 0.01, calculated = 12.31, critical = 14.07. Kappa = 1.672 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.002505. Comparing 7 points to limit.

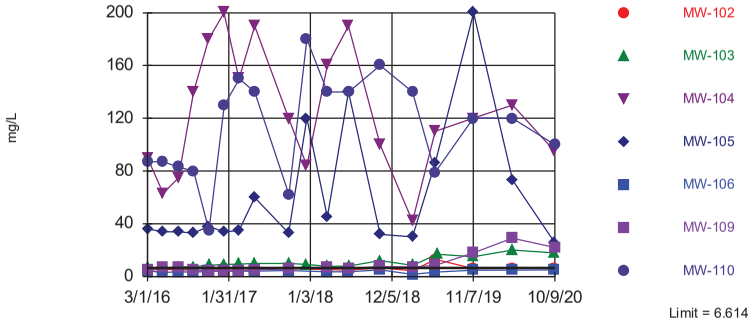
Constituent: Calcium Analysis Run 1/11/2021 1:40 PM View: PL's Interwell 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Exceeds Limit: MW-103, MW-104, MW-105, MW-109, MW-110

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=5.234, Std. Dev.=0.825, n=102. Normality test: Chi Squared @alpha = 0.01, calculated = 6.431, critical = 14.07. Kappa = 1.672 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.002505. Comparing 7 points to limit.

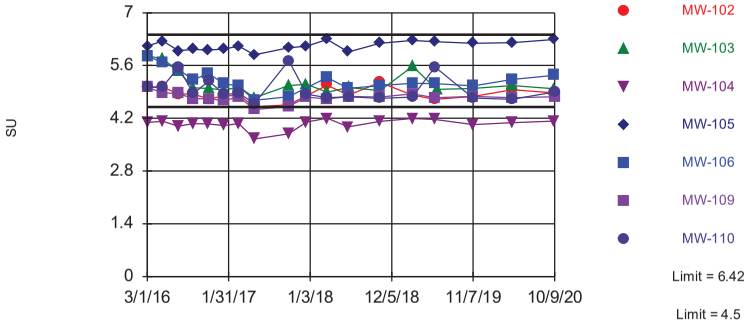
Constituent: Chloride Analysis Run 1/11/2021 1:40 PM View: PL's Interwell 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Exceeds Limits: MW-104

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 101 background values. Annual per-constituent alpha = 0.002288. Individual comparison alpha = 0.0003815 (1 of 2). Comparing 7 points to limit.

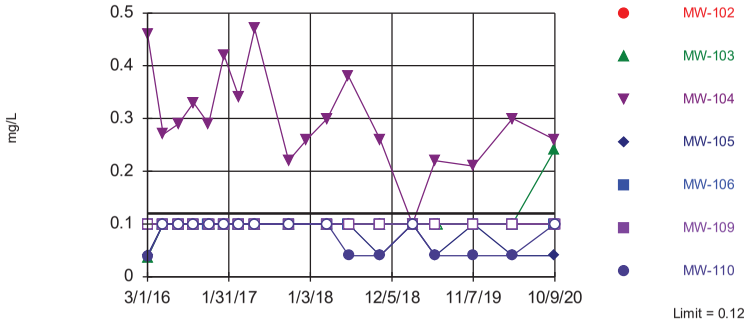
Constituent: Field pH Analysis Run 1/11/2021 1:40 PM View: PL's Interwell 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-103, MW-104

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 102 background values. 98.04% NDs. Annual per-constituent alpha = 0.001126. Individual comparison alpha = 0.0001878 (1 of 2). Comparing 7 points to limit.

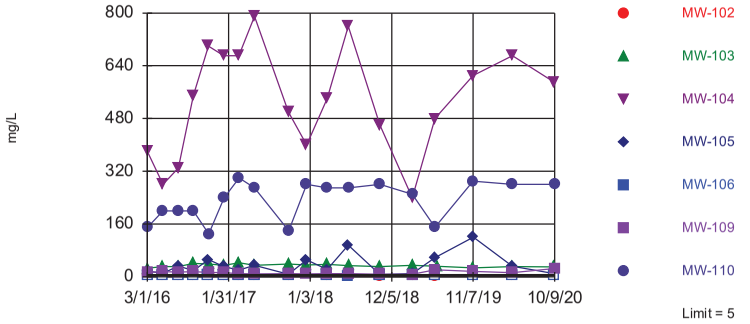
Constituent: Fluoride Analysis Run 1/11/2021 1:40 PM View: PL's Interwell 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-103, MW-104, MW-105, MW-109, MW-110

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 101 background values. 76.24% NDs. Annual per-constituent alpha = 0.001144. Individual comparison alpha = 0.0001907 (1 of 2). Comparing 7 points to limit.

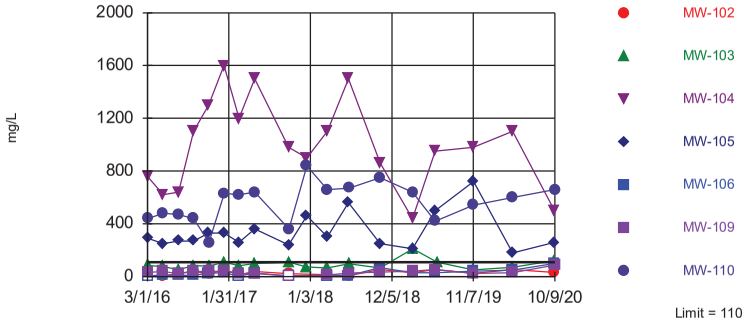
Constituent: Sulfate Analysis Run 1/11/2021 1:40 PM View: PL's Interwell 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-103, MW-104, MW-105, MW-110

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 102 background values. 26.47% NDs. Annual per-constituent alpha = 0.001126. Individual comparison alpha = 0.0001878 (1 of 2). Comparing 7 points to limit.

Constituent: Total Dissolved Solids Analysis Run 1/11/2021 1:40 PM View: PL's Interwell 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 1/11/2021 1:43 PM View: PL's Interwell 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-105	MW-104	MW-306 (bg)	MW-103	MW-307 (bg)
2/29/2016	<0.05	<0.05	<0.05	<0.05					
3/1/2016					<0.05 (*)	8.7	<0.05	<0.05 (*)	<0.05
3/2/2016									
5/2/2016	<0.05	<0.05	<0.05						<0.05
5/3/2016							<0.05		
5/4/2016				<0.05					
5/5/2016					<0.05 (*)	7.8		<0.05 (*)	
7/5/2016	<0.05	<0.05	<0.05				<0.05		<0.05
7/7/2016					1	7		0.33	
7/8/2016				<0.05					
9/6/2016	<0.05	<0.05	<0.05	<0.05			<0.05		<0.05
9/7/2016					0.53	12		0.37	
11/7/2016	<0.05	<0.05	<0.05				<0.05		<0.05
11/9/2016					1.6	9.6			
11/10/2016				<0.05				0.43	
1/9/2017	<0.05	<0.05	<0.05				<0.05		<0.05
1/11/2017				<0.05	0.9	11			
1/12/2017								0.44	
3/13/2017	<0.05	<0.05	0.022 (J)				<0.05		<0.05
3/14/2017				<0.05	0.63	10			
3/15/2017								0.46	
5/15/2017	<0.05	<0.05	<0.05				<0.05		<0.05
5/18/2017				<0.05	1.5	15		0.44	
10/2/2017	<0.05	<0.05	0.023 (J)				<0.05		<0.05
10/5/2017				<0.05	0.32	12			
10/6/2017								0.37	
12/19/2017					1.6 (R)	11 (R)		0.35 (R)	
3/12/2018	<0.05	<0.05	<0.05				<0.05		<0.05
3/14/2018				<0.05	0.7	11		0.32	
6/5/2018	<0.05	<0.05	<0.05						
6/6/2018							<0.05		<0.05
6/10/2018				<0.05	2.4	12			
6/11/2018								0.26	
10/16/2018	<0.05	<0.05	<0.05						
10/17/2018							<0.05		<0.05
10/18/2018				0.081	0.43	9.6		0.25	
10/19/2018									
2/27/2019	<0.05	<0.05	<0.05	<0.05			<0.05		<0.05
3/1/2019					0.4	6.5			
3/2/2019								<0.05	
5/31/2019	<0.05	<0.05	<0.05	<0.05			<0.05		<0.05
6/3/2019					1.7	11			
6/11/2019								0.39	
11/6/2019	0.017 (V)	0.016 (V)	0.022 (V)	0.016 (V)			0.011 (V)		0.0099 (J)
11/7/2019						11		0.19	
11/9/2019					1.8				
4/16/2020	0.02	0.013	0.017	0.013			0.0075 (J)		0.0055 (J)
4/17/2020								0.31	
4/18/2020					1.7	11			
10/7/2020	<0.05	<0.05	<0.05	<0.05			<0.05		<0.05
10/8/2020					0.37	12		0.31	
10/9/2020									

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 1/11/2021 1:43 PM View: PL's Interwell 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-102	MW-106	MW-110	MW-109
2/29/2016				
3/1/2016	<0.05	<0.05		
3/2/2016			3	<0.05 (*)
5/2/2016				
5/3/2016				
5/4/2016		<0.05 (*)		
5/5/2016	<0.05		2.9	<0.05 (*)
7/5/2016				
7/7/2016	<0.05		3	0.1
7/8/2016		<0.05		
9/6/2016	<0.05			
9/7/2016		0.022 (J)	3.8	0.073
11/7/2016				
11/9/2016		<0.05		
11/10/2016	<0.05		2.1	0.073
1/9/2017				
1/11/2017		<0.05		
1/12/2017	<0.05		4	0.059
3/13/2017				
3/14/2017		0.071		0.044 (J)
3/15/2017	<0.05		4.2	
5/15/2017				
5/18/2017	<0.05	<0.05 (*)	4.4	<0.05 (*)
10/2/2017				
10/5/2017		<0.05		0.047 (J)
10/6/2017	<0.05		2.3	
12/19/2017			5.3 (R)	
3/12/2018				
3/14/2018	<0.05	<0.05	4.6	<0.05
6/5/2018				
6/6/2018				
6/10/2018		0.066		
6/11/2018	<0.05		4.2	0.11
10/16/2018				
10/17/2018				
10/18/2018		0.067	4.3	0.15
10/19/2018	0.34			
2/27/2019				
3/1/2019		0.048 (J)	3.8	0.23
3/2/2019	<0.05			
5/31/2019				
6/3/2019	0.17	<0.05	3	0.45
6/11/2019				
11/6/2019				
11/7/2019			4.2	0.42
11/9/2019	0.023 (J)	0.097 (V)		
4/16/2020				
4/17/2020		0.07	4.6	0.83
4/18/2020	0.012			
10/7/2020				
10/8/2020	0.033 (J)	0.031 (J)		
10/9/2020			4.8	0.37

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 1/11/2021 1:43 PM View: PL's Interwell 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-105	MW-104	MW-306 (bg)	MW-103	MW-307 (bg)
2/29/2016	1	0.67	1.4	1 (J)					
3/1/2016					63	46	0.6	5.6	1.5
3/2/2016									
5/2/2016	0.78	0.58	1.1						0.83
5/3/2016							0.55		
5/4/2016				0.62					
5/5/2016					58	37		5.4	
7/5/2016	0.65	0.43	0.94				0.53		1.6
7/7/2016					55	38		3.9	
7/8/2016				0.4					
9/6/2016	0.7	0.48	1	0.45			0.5		1.6
9/7/2016					59	55		4.2	
11/7/2016	0.8	0.56	1.2				0.68		1.5
11/9/2016					61	52			
11/10/2016				0.44				3.5	
1/9/2017	0.74	0.43	1.2				0.56		0.98
1/11/2017				0.42	66	56			
1/12/2017								3.3	
3/13/2017	0.78	0.48	1.3				0.62		0.75
3/14/2017				0.42	63	55			
3/15/2017								4.1	
5/15/2017	0.76	0.37	1				0.58		0.83
5/18/2017				0.38	68	61		3.9	
10/2/2017	0.78	0.47	1.2				0.62		0.83
10/5/2017				0.39	58	55			
10/6/2017								4.3	
12/19/2017					69 (R)	47 (R)		3.7 (R)	
3/12/2018	0.88	0.49	1.4				0.59		0.71
3/14/2018				0.49	62	55		3.9	
6/5/2018	0.9	0.49	1.2						
6/6/2018							0.59		0.68
6/10/2018				0.39	86	67			
6/11/2018								3.5	
10/16/2018	0.86	0.42	1.4						
10/17/2018							0.54		0.66
10/18/2018				0.41	63	52		3.1	
10/19/2018									
2/27/2019	0.96	0.56	1.3	0.44			0.63		0.7
3/1/2019					51	28			
3/2/2019								0.56	
5/31/2019	0.76	0.33	1.1	0.28			0.45		0.52
6/3/2019					65	49			
6/11/2019								3.5	
11/6/2019	0.88	0.49	1.2	0.46			0.55		0.74
11/7/2019						62		3.4	
11/9/2019					84				
4/16/2020	0.84	0.36	1.3	0.38			0.53		0.59
4/17/2020								3.5	
4/18/2020					58	62			
10/7/2020	0.93	0.43	1.6	0.47			0.63		0.67
10/8/2020					50	59		3.7	
10/9/2020									

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 1/11/2021 1:43 PM View: PL's Interwell 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-102	MW-106	MW-110	MW-109
2/29/2016				
3/1/2016	0.99 (J)	1.8		
3/2/2016			23	2
5/2/2016				
5/3/2016				
5/4/2016		1.1		
5/5/2016	1.2		21	2.6
7/5/2016				
7/7/2016	1.1		20	2.9
7/8/2016		0.82		
9/6/2016	1			
9/7/2016		0.57	20	3.1
11/7/2016				
11/9/2016		0.62		
11/10/2016	0.73		8.7	2.7
1/9/2017				
1/11/2017		0.44		
1/12/2017	0.63		27	2.9
3/13/2017				
3/14/2017		0.46		3.1
3/15/2017	0.72		32	
5/15/2017				
5/18/2017	0.71	0.41	30	3
10/2/2017				
10/5/2017		0.39		3.7
10/6/2017	0.56		15	
12/19/2017			41 (R)	3.1 (R)
3/12/2018				
3/14/2018	0.63	0.47	35	3.1
6/5/2018				
6/6/2018				
6/10/2018		0.39		
6/11/2018	0.55		30	2.6
10/16/2018				
10/17/2018				
10/18/2018		0.47	38	2.8
10/19/2018	0.37			
2/27/2019				
3/1/2019		0.46	28	3.1
3/2/2019	0.57			
5/31/2019				
6/3/2019	2	0.38	13	3.9
6/11/2019				
11/6/2019				
11/7/2019			32	4.3
11/9/2019	0.61 (V)	0.56 (V)		
4/16/2020				
4/17/2020		0.42	29	5.2
4/18/2020	0.45			
10/7/2020				
10/8/2020	0.67	0.51		
10/9/2020			31	5.9

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 1/11/2021 1:43 PM View: PL's Interwell 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-105	MW-104	MW-306 (bg)	MW-103	MW-307 (bg)
2/29/2016	5.3	8.1	7.4	5.4					
3/1/2016					36	90	5.6	6.6	4
3/2/2016									
5/2/2016	4.4	6	6.3						3.6
5/3/2016							5.1		
5/4/2016				4.5					
5/5/2016					34	63		6.5	
7/5/2016	4.2	5.2	4.8				4.7		3.6
7/7/2016					34	75		7.3	
7/8/2016				4.9					
9/6/2016	4.3	5.5	6	4.3			4.4		4
9/7/2016					33	140		7.4	
11/7/2016	4.2	5.4	5.7				4.6		4.4
11/9/2016					38	180			
11/10/2016				4.5				8.4	
1/9/2017	5.3	6.1	6.8				5.3		4.4
1/11/2017				5.3	34	200			
1/12/2017								9.2	
3/13/2017	5.2	5.5	6.8				5.6		4.1
3/14/2017				5.5	35	150			
3/15/2017								9.5	
5/15/2017	4.8	4.7	6.1				5.2		3.7
5/18/2017				5	60	190		9.9	
10/2/2017	5.5	6.1	6				5.5		4.8
10/5/2017				5.6	33	120			
10/6/2017								10	
12/19/2017					120 (R)	84 (R)		9.3 (R)	
3/12/2018	5.3	6.1	5.9				5.6		4
3/14/2018				5.2	45	160		7.7	
6/5/2018	5.3	5.5	6.5						
6/6/2018							5.6		4.1
6/10/2018				5.2	140	190			
6/11/2018								8	
10/16/2018	5.5	5.1	5.9						
10/17/2018							5.5		3.7
10/18/2018				5.2	32	100		12	
10/19/2018									
2/27/2019	4.6	5	4.3	5.1			5.1		4
3/1/2019					30	42			
3/2/2019								8.5	
5/31/2019	5.1	5.4	4.5	5			5.4		3.7
6/3/2019					86	110			
6/11/2019								17	
11/6/2019	5.8	6.1	5.7	6			5.9		4.7
11/7/2019						120		15	
11/9/2019					200				
4/16/2020	6.1	5.3	5.6	5.8			6.2		4.9
4/17/2020								20	
4/18/2020					73	130			
10/7/2020	6.6	5.7	5.1	5.9			6.1		4.7
10/8/2020					26	95		18	
10/9/2020									

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 1/11/2021 1:43 PM View: PL's Interwell 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-102	MW-106	MW-110	MW-109
2/29/2016				
3/1/2016	4.8	4.4		
3/2/2016			87	5
5/2/2016				
5/3/2016				
5/4/2016		3		
5/5/2016	5.6		87	6.8
7/5/2016				
7/7/2016	5		83	6.7
7/8/2016		3.5		
9/6/2016	4.8			
9/7/2016		3.3	80	4.8
11/7/2016				
11/9/2016		3.9		
11/10/2016	4.7		35	4.2
1/9/2017				
1/11/2017		4.1		
1/12/2017	5.6		130	4.4
3/13/2017				
3/14/2017		4		4.4
3/15/2017	5.9		150	
5/15/2017				
5/18/2017	5.7	4	140	5
10/2/2017				
10/5/2017		4.5		5.8
10/6/2017	6		62	
12/19/2017			180 (R)	
3/12/2018				
3/14/2018	5.2	3.7	140	6.9
6/5/2018				
6/6/2018				
6/10/2018		3.6		
6/11/2018	4.9		140	6
10/16/2018				
10/17/2018				
10/18/2018		5	160	7.5
10/19/2018	6.7			
2/27/2019				
3/1/2019		1.7 (J)	140	7.2
3/2/2019	4.4			
5/31/2019				
6/3/2019	13	3.3	79	8.5
6/11/2019				
11/6/2019				
11/7/2019			120	18
11/9/2019	6.1	4.7		
4/16/2020				
4/17/2020		4.8	120	29
4/18/2020	6.3			
10/7/2020				
10/8/2020	6.4	5		
10/9/2020			100	22

Prediction Limit

Constituent: Field pH (SU) Analysis Run 1/11/2021 1:43 PM View: PL's Interwell 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-105	MW-104	MW-306 (bg)	MW-103	MW-307 (bg)
2/29/2016	5.11	5.11	4.9	5.26					
3/1/2016					6.12	4.09	5.08	5.86	6.37
3/2/2016									
5/2/2016	4.76	4.77	4.69						5.605 (D)
5/3/2016							5.14		
5/4/2016				5.1					
5/5/2016					6.25	4.12		5.77	
7/5/2016	5.12	5.48	7.11 (o)				5.38		6.29
7/7/2016					5.99	3.99		5.45	
7/8/2016				4.96					
9/6/2016	5.11	5.12	5.19	5.43			5.37		6.42
9/7/2016					6.03	4.06		5.01	
11/7/2016	4.76	4.73	4.64				4.92		5.75
11/9/2016					6.01	4.05			
11/10/2016				4.89				4.99	
1/9/2017	4.99	5	4.94				5.05		5.98
1/11/2017				4.87	6.04	4.01			
1/12/2017								4.95	
3/13/2017	4.57	4.74	4.63				4.87		5.81
3/14/2017				4.71	6.11	4.06			
3/15/2017								5.03	
5/15/2017	4.6	4.63	4.52				4.69		5.42
5/18/2017				4.5	5.88	3.65		4.75	
10/2/2017	4.64	4.63	4.54				4.88		5.63
10/5/2017				4.63	6.07	3.79			
10/6/2017								5.07	
12/19/2017					6.11 (R)	4.1 (R)		5.1 (R)	
3/12/2018	4.85	4.81	4.81				5.07		5.6
3/14/2018				5.14	6.29	4.2		4.89	
6/5/2018	4.92	5.04	4.9						
6/6/2018							5.09		5.58
6/10/2018				5.12	5.96	3.97			
6/11/2018								5.02	
10/16/2018	4.93	4.98	4.81						
10/17/2018							4.99		5.54
10/18/2018				4.97	6.19	4.12		4.93	
10/19/2018									
2/27/2019	4.75	4.78	4.71	4.84			4.87		5.4
3/1/2019					6.27	4.19			
3/2/2019								5.58	
5/31/2019	4.9	4.92	4.84	4.92			4.89		5.45
6/3/2019					6.23	4.17			
6/11/2019								4.97	
11/6/2019	4.82	4.88	4.78	4.94			5.04		5.52
11/7/2019						4.03		4.99	
11/9/2019					6.19				
4/16/2020	5.03	5.15	4.96	5.17			5.13		5.58
4/17/2020								5.07	
4/18/2020					6.21	4.08			
10/7/2020	4.74	4.91	4.8	5.08			5.13		5.5
10/8/2020					6.29	4.13		4.98	
10/9/2020									

Prediction Limit

Constituent: Field pH (SU) Analysis Run 1/11/2021 1:43 PM View: PL's Interwell 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-102	MW-106	MW-110	MW-109
2/29/2016				
3/1/2016	5.03	5.84		
3/2/2016			5.015 (D)	5.015 (D)
5/2/2016				
5/3/2016				
5/4/2016		5.69		
5/5/2016	5.03		5.04	4.87
7/5/2016				
7/7/2016	4.85		5.55	4.86
7/8/2016		5.49		
9/6/2016	4.84			
9/7/2016		5.22	4.86	4.72
11/7/2016				
11/9/2016		5.39		
11/10/2016	4.72		5.19	4.72
1/9/2017				
1/11/2017		5.12		
1/12/2017	4.79		4.84	4.67
3/13/2017				
3/14/2017		5.05		4.77
3/15/2017	4.81		4.86	
5/15/2017				
5/18/2017	4.5	4.68	4.59	4.43
10/2/2017				
10/5/2017		4.77		4.52
10/6/2017	4.56		5.73	
12/19/2017			4.84 (R)	4.76 (R)
3/12/2018				
3/14/2018	5.08	5.28	4.75	4.71
6/5/2018				
6/6/2018				
6/10/2018		4.99		
6/11/2018	4.81		4.77	4.78
10/16/2018				
10/17/2018				
10/18/2018		5.07	4.73	4.76
10/19/2018	5.15			
2/27/2019				
3/1/2019		5.13	4.76	4.85
3/2/2019	4.81			
5/31/2019				
6/3/2019	4.7	5.12	5.56	4.75
6/11/2019				
11/6/2019				
11/7/2019			4.74	4.78
11/9/2019	4.78	5.06		
4/16/2020				
4/17/2020		5.23	4.7	4.75
4/18/2020	4.96			
10/7/2020				
10/8/2020	4.87	5.34		
10/9/2020			4.9	4.77

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 1/11/2021 1:43 PM View: PL's Interwell 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-105	MW-104	MW-306 (bg)	MW-103	MW-307 (bg)
2/29/2016	<0.1	<0.1	<0.1	<0.1					
3/1/2016					0.041 (J)	0.46	<0.1	0.037 (J)	0.033 (J)
3/2/2016									
5/2/2016	<0.1	<0.1	<0.1						<0.1
5/3/2016							<0.1		
5/4/2016				<0.1					
5/5/2016					<0.1	0.27		<0.1	
7/5/2016	<0.1	<0.1	<0.1				<0.1		<0.1
7/7/2016					<0.1	0.29		<0.1	
7/8/2016				<0.1					
9/6/2016	<0.1	<0.1	<0.1	<0.1			<0.1		<0.1
9/7/2016					<0.1	0.33		<0.1	
11/7/2016	<0.1	<0.1	<0.1				<0.1		<0.1
11/9/2016					<0.1	0.29			
11/10/2016				<0.1				<0.1	
1/9/2017	<0.1	<0.1	<0.1				<0.1		<0.1
1/11/2017				<0.1	<0.1	0.42			
1/12/2017								<0.1	
3/13/2017	<0.1	<0.1	<0.1				<0.1		<0.1
3/14/2017				<0.1	<0.1	0.34			
3/15/2017								<0.1	
5/15/2017	<0.1	<0.1	<0.1				<0.1		<0.1
5/18/2017				<0.1	<0.1	0.47		<0.1	
10/2/2017	<0.1	<0.1	<0.1				<0.1		<0.1
10/5/2017				<0.1	<0.1	0.22			
10/6/2017								<0.1	
12/19/2017						0.26 (R)			
3/12/2018	<0.1	<0.1	<0.1				<0.1		<0.1
3/14/2018				0.12	<0.1	0.3		<0.1	
6/5/2018	<0.1	<0.1	<0.1						
6/6/2018							<0.1		<0.1
6/10/2018				<0.1	<0.1	0.38			
6/11/2018								<0.1	
10/16/2018	<0.1	<0.1	<0.1						
10/17/2018							<0.1		<0.1
10/18/2018				<0.1	0.04 (J)	0.26		<0.1	
10/19/2018									
2/27/2019	<0.1	<0.1	<0.1	<0.1			<0.1		<0.1
3/1/2019					<0.1	0.1			
3/2/2019								<0.1	
5/31/2019	<0.1	<0.1	<0.1	<0.1			<0.1		<0.1
6/3/2019					0.04 (J)	0.22			
6/11/2019								<0.1	
11/6/2019	<0.1	<0.1	<0.1	<0.1			<0.1		<0.1
11/7/2019						0.21		<0.1	
11/9/2019					<0.1				
4/16/2020	<0.1	<0.1	<0.1	<0.1			<0.1		<0.1
4/17/2020								<0.1	
4/18/2020					0.04 (J)	0.3			
10/7/2020	<0.1	<0.1	<0.1	<0.1			<0.1		<0.1
10/8/2020					0.04 (J)	0.26		0.24	
10/9/2020									

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 1/11/2021 1:43 PM View: PL's Interwell 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-102	MW-106	MW-110	MW-109
2/29/2016				
3/1/2016	<0.1	<0.1		
3/2/2016			0.039 (J)	<0.1
5/2/2016				
5/3/2016				
5/4/2016		<0.1		
5/5/2016	<0.1		<0.1	<0.1
7/5/2016				
7/7/2016	<0.1		<0.1	<0.1
7/8/2016		<0.1		
9/6/2016	<0.1			
9/7/2016		<0.1	<0.1	<0.1
11/7/2016				
11/9/2016		<0.1		
11/10/2016	<0.1		<0.1	<0.1
1/9/2017				
1/11/2017		<0.1		
1/12/2017	<0.1		<0.1	<0.1
3/13/2017				
3/14/2017		<0.1		<0.1
3/15/2017	<0.1		<0.1	
5/15/2017				
5/18/2017	<0.1	<0.1	<0.1	<0.1
10/2/2017				
10/5/2017		<0.1		<0.1
10/6/2017	<0.1		<0.1	
12/19/2017				
3/12/2018				
3/14/2018	<0.1	<0.1	<0.1	<0.1
6/5/2018				
6/6/2018				
6/10/2018		<0.1		
6/11/2018	<0.1		0.04 (J)	<0.1
10/16/2018				
10/17/2018				
10/18/2018		<0.1	0.04 (J)	<0.1
10/19/2018	<0.1			
2/27/2019				
3/1/2019		<0.1	<0.1	<0.1
3/2/2019	<0.1			
5/31/2019				
6/3/2019	<0.1	<0.1	0.04 (J)	<0.1
6/11/2019				
11/6/2019				
11/7/2019			0.04 (J)	<0.1
11/9/2019	<0.1	<0.1		
4/16/2020				
4/17/2020		<0.1	0.04 (J)	<0.1
4/18/2020	<0.1			
10/7/2020				
10/8/2020	<0.1	<0.1		
10/9/2020			<0.1	<0.1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 1/11/2021 1:43 PM View: PL's Interwell 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-104	MW-102	MW-306 (bg)	MW-106	MW-105
2/29/2016	<5	<5	1.6 (J)	<5					
3/1/2016					380	<5	<5	<5	17
3/2/2016									
5/2/2016	15 (o)	<5	2.1 (J)						
5/3/2016							<5		
5/4/2016				<5				<5	
5/5/2016					280	<5			11
7/5/2016	<5	<5	2 (J)				<5		
7/7/2016					330	<5			33
7/8/2016				<5				<5	
9/6/2016	<5	<5	1.8 (J)	<5		<5	<5		
9/7/2016					550			<5	18
11/7/2016	<5	<5	1.7 (J)				<5		
11/9/2016					700			<5	52
11/10/2016				<5		<5			
1/9/2017	<5	2.6 (J)	1.5 (J)				<5		
1/11/2017				<5	670			<5	31
1/12/2017						<5			
3/13/2017	2.5 (J)	<5	2.2 (J)				<5		
3/14/2017				<5	670			<5	20
3/15/2017						<5 (*)			
5/15/2017	<5	<5	1.9 (J)				<5		
5/18/2017				<5 (X)	790	<5 (X)		<5 (X)	35
10/2/2017	<5	<5	3.4 (J)				1.5 (J)		
10/5/2017				<5	500			<5	7.7
10/6/2017						<5			
12/19/2017					400 (R)				51 (R)
3/12/2018	<5	<5	2.6 (J)				<5		
3/14/2018				<5	540	<5		<5	22
6/5/2018	<5	<5	2.6 (J)						
6/6/2018							<5		
6/10/2018				1.5 (J)	760			1.4 (J)	96
6/11/2018						1.7 (J)			
10/16/2018	<5	<5	2.8 (J)						
10/17/2018							<5		
10/18/2018				<5	460			<5	6.6
10/19/2018						3.4 (J)			
2/27/2019	<5	<5	2.4 (J)	1.9 (J)			<5		
3/1/2019					240			<5	9.6
3/2/2019						<5			
5/31/2019	<5	<5	3.3 (J)	<5			<5		
6/3/2019					480	3.5 (J)		<5	58
6/11/2019									
11/6/2019	<5	<5	3.7 (J)	<5			<5		
11/7/2019					610				
11/9/2019						<5		<5	120
4/16/2020	<5	<5	1.7 (J)	<5			<5		
4/17/2020								<5	
4/18/2020					670	<5			32
10/7/2020	<5	<5	4 (J)	<5			<5		
10/8/2020					590	<5		<5	9.3
10/9/2020									

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 1/11/2021 1:43 PM View: PL's Interwell 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-103	MW-307 (bg)	MW-109	MW-110
2/29/2016				
3/1/2016	26	<5		
3/2/2016			13	150
5/2/2016		<5		
5/3/2016				
5/4/2016				
5/5/2016	31		15	200
7/5/2016		<5		
7/7/2016	31		14	200
7/8/2016				
9/6/2016		3.7 (J)		
9/7/2016	41		15	200
11/7/2016		<5		
11/9/2016				
11/10/2016	39		13	130
1/9/2017		<5		
1/11/2017				
1/12/2017	35		12	240
3/13/2017		<5		
3/14/2017			10 (V)	
3/15/2017	43			300
5/15/2017		<5		
5/18/2017	35		8.7	270
10/2/2017		1.7 (J)		
10/5/2017			9.8	
10/6/2017	39			140
12/19/2017	36 (R)		8.4 (R)	280 (R)
3/12/2018		<5		
3/14/2018	38		9.7	270
6/5/2018				
6/6/2018		<5		
6/10/2018				
6/11/2018	34		10	270
10/16/2018				
10/17/2018		<5		
10/18/2018	31		8.1	280
10/19/2018				
2/27/2019		<5		
3/1/2019			7.4	250
3/2/2019	35			
5/31/2019		<5		
6/3/2019			21	150
6/11/2019	32			
11/6/2019		<5		
11/7/2019	27		16	290
11/9/2019				
4/16/2020		<5		
4/17/2020	31		12	280
4/18/2020				
10/7/2020		<5		
10/8/2020	30			
10/9/2020			25	280

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 1/11/2021 1:43 PM View: PL's Interwell 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-107 (bg)	MW-108 (bg)	MW-101 (bg)	MW-105	MW-104	MW-306 (bg)	MW-103	MW-307 (bg)
2/29/2016	20	<5	12	20					
3/1/2016					290	760	10	84	<5
3/2/2016									
5/2/2016	<5	<5	6						36
5/3/2016							<5		
5/4/2016				6					
5/5/2016					250	620		76	
7/5/2016	12	14	<5				<5		<5
7/7/2016					270	640		54	
7/8/2016				6					
9/6/2016	36	30	38	36			36		44
9/7/2016					270	1100		82	
11/7/2016	18	8	<5				<5		30
11/9/2016					330	1300			
11/10/2016				16				80	
1/9/2017	4 (J)	<5	14				<5		12
1/11/2017				38	330	1600			
1/12/2017								110	
3/13/2017	6	<5	8				22		20
3/14/2017				<5	260	1200			
3/15/2017								82	
5/15/2017	<5	<5	<5				6		4 (J)
5/18/2017				10	360	1500		100	
10/2/2017	<5	<5	6				16		24
10/5/2017				<5	240	980			
10/6/2017								110	
12/19/2017					460 (R)	900 (R)		72 (R)	
3/12/2018	18	14	<5				<5		<5
3/14/2018				8	300	1100		66	
6/5/2018	10	<5	14						
6/6/2018							20		16
6/10/2018				8	560	1500			
6/11/2018								96	
10/16/2018	32	12	6						
10/17/2018							44		44
10/18/2018				28	250	860		64	
10/19/2018									
2/27/2019	110	54	110	68			20		28
3/1/2019					210	440			
3/2/2019								210	
5/31/2019	46	8	26	<5			32		18
6/3/2019					500	950			
6/11/2019								110	
11/6/2019	<5	4 (J)	<5	10			24		20
11/7/2019						980		50	
11/9/2019					720				
4/16/2020	28	18	8	44			6		8
4/17/2020								70	
4/18/2020					180	1100			
10/7/2020	30	20	26	24			16		12
10/8/2020					260	500		120	
10/9/2020									

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 1/11/2021 1:43 PM View: PL's Interwell 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-102	MW-106	MW-110	MW-109
2/29/2016				
3/1/2016	<5	<5		
3/2/2016			440	30
5/2/2016				
5/3/2016				
5/4/2016		12		
5/5/2016	<5		480	38
7/5/2016				
7/7/2016	24		470	22
7/8/2016		10		
9/6/2016	40			
9/7/2016		10	440	38
11/7/2016				
11/9/2016		26		
11/10/2016	20		260	38
1/9/2017				
1/11/2017		28		
1/12/2017	54		630	40
3/13/2017				
3/14/2017		<5		22
3/15/2017	14		620	
5/15/2017				
5/18/2017	38	26	640	24
10/2/2017				
10/5/2017		<5		<5
10/6/2017	22		360	
12/19/2017			840 (R)	
3/12/2018				
3/14/2018	14	<5	660	12
6/5/2018				
6/6/2018				
6/10/2018		6		
6/11/2018	8		670	26
10/16/2018				
10/17/2018				
10/18/2018		68	750	34
10/19/2018	54			
2/27/2019				
3/1/2019		28	640	42
3/2/2019	28			
5/31/2019				
6/3/2019	54	28	420	54
6/11/2019				
11/6/2019				
11/7/2019			540	24
11/9/2019	24	42		
4/16/2020				
4/17/2020		48	600	28
4/18/2020	54			
10/7/2020				
10/8/2020	32	100		
10/9/2020			660	86

200 Series

Appendix III Interwell Prediction Limits - 200 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/7/2021, 5:19 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**MW-200**	**0.081**	**n/a**	**10/12/2020**	**3**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001878**	NP (NDs) 1 of 2
Boron (mg/L)	**MW-201**	**0.081**	**n/a**	**10/12/2020**	**3.3**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001878**	NP (NDs) 1 of 2
Boron (mg/L)	**MW-206**	**0.081**	**n/a**	**10/12/2020**	**17**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001878**	NP (NDs) 1 of 2
Calcium (mg/L)	**MW-200**	**1.376**	**n/a**	**10/12/2020**	**74**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.002505**	Param 1 of 2
Calcium (mg/L)	**MW-201**	**1.376**	**n/a**	**10/12/2020**	**58**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.002505**	Param 1 of 2
Calcium (mg/L)	**MW-206**	**1.376**	**n/a**	**10/12/2020**	**300**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.002505**	Param 1 of 2
Chloride (mg/L)	**MW-200**	**6.614**	**n/a**	**10/12/2020**	**130**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.002505**	Param 1 of 2
Chloride (mg/L)	**MW-201**	**6.614**	**n/a**	**10/12/2020**	**82**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.002505**	Param 1 of 2
Chloride (mg/L)	**MW-206**	**6.614**	**n/a**	**10/12/2020**	**610**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.002505**	Param 1 of 2
Fluoride (mg/L)	**MW-201**	**0.12**	**n/a**	**10/12/2020**	**0.46**	**Yes**	**102**	**n/a**	**n/a**	**98.04**	**n/a**	**n/a**	**0.0001878**	NP (NDs) 1 of 2
Sulfate (mg/L)	**MW-200**	**5**	**n/a**	**10/12/2020**	**64**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001907**	NP (NDs) 1 of 2
Sulfate (mg/L)	**MW-201**	**5**	**n/a**	**10/12/2020**	**110**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001907**	NP (NDs) 1 of 2
Sulfate (mg/L)	**MW-206**	**5**	**n/a**	**10/12/2020**	**230**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001907**	NP (NDs) 1 of 2
Total Dissolved Solids (mg/L)	**MW-200**	**110**	**n/a**	**10/12/2020**	**600**	**Yes**	**102**	**n/a**	**n/a**	**26.47**	**n/a**	**n/a**	**0.0001878**	NP (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-201**	**110**	**n/a**	**10/12/2020**	**460**	**Yes**	**102**	**n/a**	**n/a**	**26.47**	**n/a**	**n/a**	**0.0001878**	NP (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-206**	**110**	**n/a**	**10/12/2020**	**2200**	**Yes**	**102**	**n/a**	**n/a**	**26.47**	**n/a**	**n/a**	**0.0001878**	NP (normality) 1 of 2

Appendix III Interwell Prediction Limits - 200 Series Wells - All Results

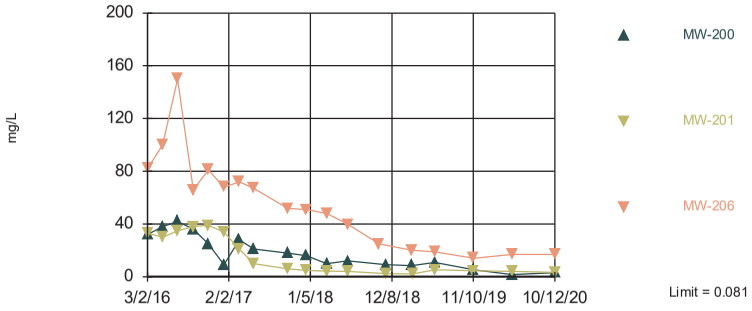
Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/7/2021, 5:19 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**MW-200**	**0.081**	**n/a**	**10/12/2020**	**3**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001878**	NP (NDs) 1 of 2
Boron (mg/L)	**MW-201**	**0.081**	**n/a**	**10/12/2020**	**3.3**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001878**	NP (NDs) 1 of 2
Boron (mg/L)	**MW-206**	**0.081**	**n/a**	**10/12/2020**	**17**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001878**	NP (NDs) 1 of 2
Calcium (mg/L)	**MW-200**	**1.376**	**n/a**	**10/12/2020**	**74**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.002505**	Param 1 of 2
Calcium (mg/L)	**MW-201**	**1.376**	**n/a**	**10/12/2020**	**58**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.002505**	Param 1 of 2
Calcium (mg/L)	**MW-206**	**1.376**	**n/a**	**10/12/2020**	**300**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.002505**	Param 1 of 2
Chloride (mg/L)	**MW-200**	**6.614**	**n/a**	**10/12/2020**	**130**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.002505**	Param 1 of 2
Chloride (mg/L)	**MW-201**	**6.614**	**n/a**	**10/12/2020**	**82**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.002505**	Param 1 of 2
Chloride (mg/L)	**MW-206**	**6.614**	**n/a**	**10/12/2020**	**610**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.002505**	Param 1 of 2
Fluoride (mg/L)	MW-200	0.12	n/a	10/12/2020	0.1ND	No	102	n/a	n/a	98.04	n/a	n/a	0.0001878	NP (NDs) 1 of 2
Fluoride (mg/L)	**MW-201**	**0.12**	**n/a**	**10/12/2020**	**0.46**	**Yes**	**102**	**n/a**	**n/a**	**98.04**	**n/a**	**n/a**	**0.0001878**	NP (NDs) 1 of 2
Fluoride (mg/L)	MW-206	0.12	n/a	10/12/2020	0.04J	No	102	n/a	n/a	98.04	n/a	n/a	0.0001878	NP (NDs) 1 of 2
Sulfate (mg/L)	**MW-200**	**5**	**n/a**	**10/12/2020**	**64**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001907**	NP (NDs) 1 of 2
Sulfate (mg/L)	**MW-201**	**5**	**n/a**	**10/12/2020**	**110**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001907**	NP (NDs) 1 of 2
Sulfate (mg/L)	**MW-206**	**5**	**n/a**	**10/12/2020**	**230**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001907**	NP (NDs) 1 of 2
Total Dissolved Solids (mg/L)	**MW-200**	**110**	**n/a**	**10/12/2020**	**600**	**Yes**	**102**	**n/a**	**n/a**	**26.47**	**n/a**	**n/a**	**0.0001878**	NP (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-201**	**110**	**n/a**	**10/12/2020**	**460**	**Yes**	**102**	**n/a**	**n/a**	**26.47**	**n/a**	**n/a**	**0.0001878**	NP (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-206**	**110**	**n/a**	**10/12/2020**	**2200**	**Yes**	**102**	**n/a**	**n/a**	**26.47**	**n/a**	**n/a**	**0.0001878**	NP (normality) 1 of 2

Exceeds Limit: MW-200, MW-201, MW-206

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 102 background values. 85.29% NDs. Annual per-constituent alpha = 0.001126. Individual comparison alpha = 0.0001878 (1 of 2). Comparing 3 points to limit.

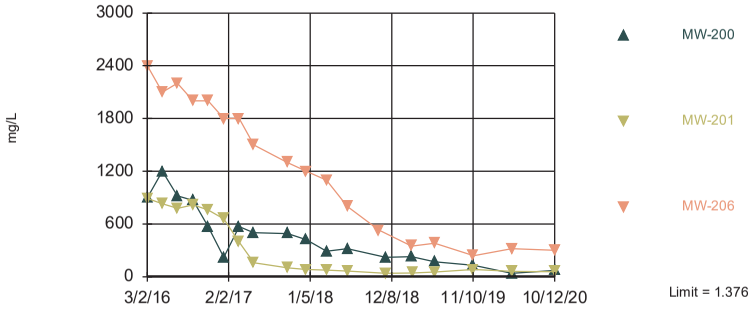
Constituent: Boron Analysis Run 1/7/2021 5:18 PM View: PL's Interwell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Exceeds Limit: MW-200, MW-201, MW-206

Prediction Limit

Interwell Parametric



Background Data Summary (based on natural log transformation): Mean=-0.3815, Std. Dev.=0.4191, n=102. Normality test: Chi Squared @alpha = 0.01, calculated = 12.31, critical = 14.07. Kappa = 1.672 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.002505. Comparing 3 points to limit.

Constituent: Calcium Analysis Run 1/7/2021 5:18 PM View: PL's Interwell 200 Series

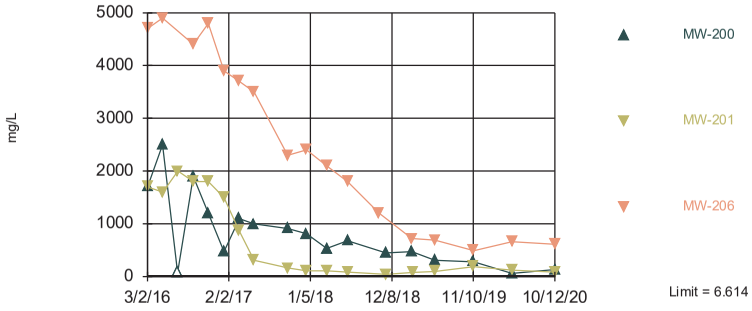
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Hollow symbols indicate censored values.

Exceeds Limit: MW-200, MW-201, MW-206

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=5.234, Std. Dev.=0.825, n=102. Normality test: Chi Squared @alpha = 0.01, calculated = 6.431, critical = 14.07. Kappa = 1.672 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.002505. Comparing 3 points to limit.

Constituent: Chloride Analysis Run 1/7/2021 5:18 PM View: PL's Interwell 200 Series

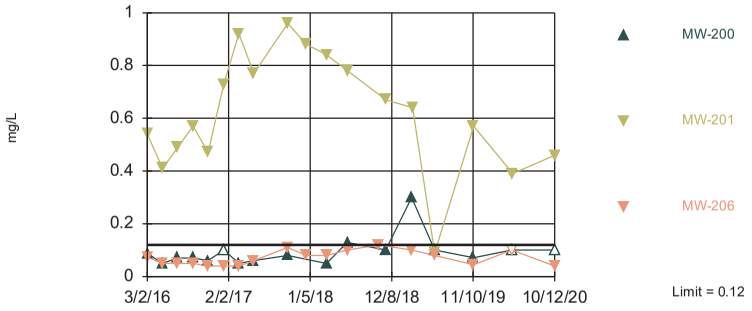
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Hollow symbols indicate censored values.

Exceeds Limit: MW-201

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 102 background values. 98.04% NDs. Annual per-constituent alpha = 0.001126. Individual comparison alpha = 0.0001878 (1 of 2). Comparing 3 points to limit.

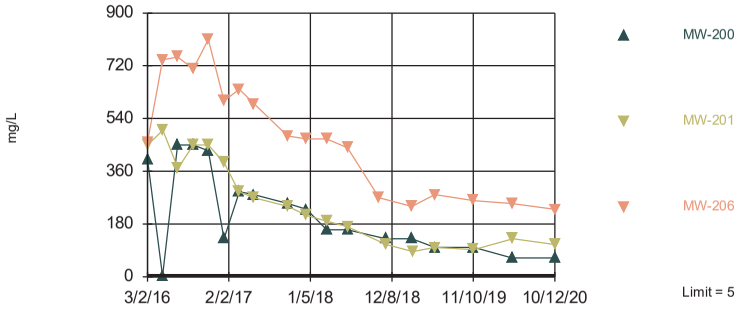
Constituent: Fluoride Analysis Run 1/7/2021 5:18 PM View: PL's Interwell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Exceeds Limit: MW-200, MW-201, MW-206

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 101 background values. 76.24% NDs. Annual per-constituent alpha = 0.001144. Individual comparison alpha = 0.0001907 (1 of 2). Comparing 3 points to limit.

Constituent: Sulfate Analysis Run 1/7/2021 5:18 PM View: PL's Interwell 200 Series

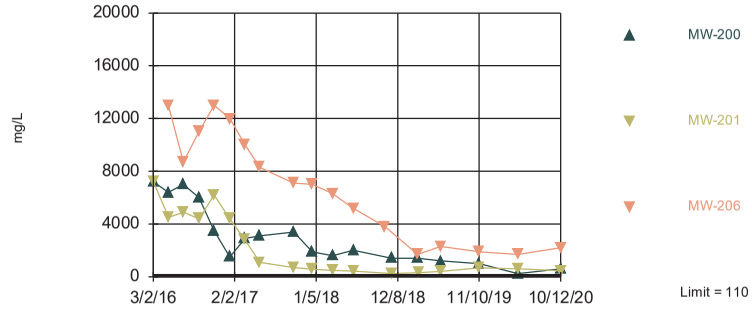
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Exceeds Limit: MW-200, MW-201, MW-206

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 102 background values. 26.47% NDs. Annual per-constituent alpha = 0.001126. Individual comparison alpha = 0.0001878 (1 of 2). Comparing 3 points to limit.

Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:18 PM View: PL's Interwell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 1/7/2021 5:19 PM View: PL's Interwell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	<0.05	<0.05	<0.05	<0.05					
3/1/2016					<0.05	<0.05			
3/2/2016							32	33	82
5/2/2016	<0.05	<0.05	<0.05			<0.05			
5/3/2016					<0.05		38		100
5/4/2016				<0.05				30	
7/5/2016	<0.05	<0.05	<0.05		<0.05	<0.05	42		150
7/6/2016								35	
7/8/2016				<0.05					
9/6/2016	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
9/8/2016							36	38	66
11/7/2016	<0.05	<0.05	<0.05		<0.05	<0.05			
11/8/2016								39	
11/9/2016							25		81
11/10/2016				<0.05					
1/9/2017	<0.05	<0.05	<0.05		<0.05	<0.05			
1/11/2017				<0.05					
1/12/2017							9.1		68
1/13/2017								34	
3/13/2017	<0.05	0.022 (J)	<0.05		<0.05	<0.05			
3/14/2017				<0.05					
3/16/2017								21	
3/17/2017							28		72
5/15/2017	<0.05	<0.05	<0.05		<0.05	<0.05			
5/16/2017							21		
5/17/2017								10	67
5/18/2017				<0.05					
10/2/2017	<0.05	0.023 (J)	<0.05		<0.05	<0.05			
10/3/2017									52
10/4/2017							18	6	
10/5/2017				<0.05					
12/20/2017							16 (R)	4.9 (R)	51
3/12/2018	<0.05	<0.05	<0.05		<0.05	<0.05			
3/13/2018							10		
3/14/2018				<0.05				4.4	48
6/5/2018	<0.05	<0.05	<0.05						
6/6/2018					<0.05	<0.05			
6/8/2018							12		40
6/9/2018								4.1	
6/10/2018				<0.05					
10/16/2018	<0.05	<0.05	<0.05						
10/17/2018					<0.05	<0.05			25
10/18/2018				0.081					
11/13/2018							9.1		
11/14/2018								2.3	
2/27/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
2/28/2019							8.5		20
3/5/2019								2.1	
5/31/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
6/4/2019							11	5.2	19
11/6/2019	0.017 (V)	0.022 (V)	0.016 (V)	0.016 (V)	0.011 (V)	0.0099 (J)			
11/12/2019							5.3	4.5	14

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 1/7/2021 5:19 PM View: PL's Interwell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
4/16/2020	0.02	0.017	0.013	0.013	0.0075 (J)	0.0055 (J)			
4/18/2020							1.6		17
4/22/2020								4.2	
10/7/2020	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
10/12/2020							3	3.3	17

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 1/7/2021 5:19 PM View: PL's Interwell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	1	1.4	0.67	1 (J)					
3/1/2016					0.6	1.5			
3/2/2016							900	890	2400
5/2/2016	0.78	1.1	0.58			0.83			
5/3/2016					0.55		1200		2100
5/4/2016				0.62				830	
7/5/2016	0.65	0.94	0.43		0.53	1.6	920		2200
7/6/2016								780	
7/8/2016				0.4					
9/6/2016	0.7	1	0.48	0.45	0.5	1.6			
9/8/2016							870	820	2000
11/7/2016	0.8	1.2	0.56		0.68	1.5			
11/8/2016								760	
11/9/2016							570		2000
11/10/2016				0.44					
1/9/2017	0.74	1.2	0.43		0.56	0.98			
1/11/2017				0.42					
1/12/2017							220		1800
1/13/2017								660	
3/13/2017	0.78	1.3	0.48		0.62	0.75			
3/14/2017				0.42					
3/16/2017								400	
3/17/2017							570		1800
5/15/2017	0.76	1	0.37		0.58	0.83			
5/16/2017							500		
5/17/2017								160	1500
5/18/2017				0.38					
10/2/2017	0.78	1.2	0.47		0.62	0.83			
10/3/2017									1300
10/4/2017							490	100	
10/5/2017				0.39					
12/20/2017							420 (R)	82 (R)	1200
3/12/2018	0.88	1.4	0.49		0.59	0.71			
3/13/2018							290		
3/14/2018				0.49				75	1100
6/5/2018	0.9	1.2	0.49						
6/6/2018					0.59	0.68			
6/8/2018							320		800
6/9/2018								64	
6/10/2018				0.39					
10/16/2018	0.86	1.4	0.42						
10/17/2018					0.54	0.66			530
10/18/2018				0.41					
11/13/2018							220		
11/14/2018								38	
2/27/2019	0.96	1.3	0.56	0.44	0.63	0.7			
2/28/2019							230		350
3/5/2019								43	
5/31/2019	0.76	1.1	0.33	0.28	0.45	0.52			
6/4/2019							170	54	380 (D)
11/6/2019	0.88	1.2	0.49	0.46	0.55	0.74			
11/12/2019							130	82	240

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 1/7/2021 5:19 PM View: PL's Interwell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
4/16/2020	0.84	1.3	0.36	0.38	0.53	0.59			
4/18/2020							40		320
4/22/2020								61	
10/7/2020	0.93	1.6	0.43	0.47	0.63	0.67			
10/12/2020							74	58	300

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 1/7/2021 5:19 PM View: PL's Interwell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	5.3	7.4	8.1	5.4					
3/1/2016					5.6	4			
3/2/2016							1700	1700	4700
5/2/2016	4.4	6.3	6			3.6			
5/3/2016					5.1		2500		4900
5/4/2016				4.5				1600	
7/5/2016	4.2	4.8	5.2		4.7	3.6	<140 (*)		360 (o)
7/6/2016								2000	
7/8/2016				4.9					
9/6/2016	4.3	6	5.5	4.3	4.4	4			
9/8/2016							1900	1800	4400
11/7/2016	4.2	5.7	5.4		4.6	4.4			
11/8/2016								1800	
11/9/2016							1200		4800
11/10/2016				4.5					
1/9/2017	5.3	6.8	6.1		5.3	4.4			
1/11/2017				5.3					
1/12/2017							470		3900
1/13/2017								1500	
3/13/2017	5.2	6.8	5.5		5.6	4.1			
3/14/2017				5.5					
3/16/2017								870	
3/17/2017							1100		3700
5/15/2017	4.8	6.1	4.7		5.2	3.7			
5/16/2017							1000		
5/17/2017								310	3500
5/18/2017				5					
10/2/2017	5.5	6	6.1		5.5	4.8			
10/3/2017									2300
10/4/2017							910	160	
10/5/2017				5.6					
12/20/2017							810 (R)	110 (R)	2400
3/12/2018	5.3	5.9	6.1		5.6	4			
3/13/2018							530		
3/14/2018				5.2				110	2100
6/5/2018	5.3	6.5	5.5						
6/6/2018					5.6	4.1			
6/8/2018							680		1800
6/9/2018								86	
6/10/2018				5.2					
10/16/2018	5.5	5.9	5.1						
10/17/2018					5.5	3.7			1200
10/18/2018				5.2					
11/13/2018							450		
11/14/2018								41	
2/27/2019	4.6	4.3	5	5.1	5.1	4			
2/28/2019							470		720
3/5/2019								75	
5/31/2019	5.1	4.5	5.4	5	5.4	3.7			
6/4/2019							310	98	690
11/6/2019	5.8	5.7	6.1	6	5.9	4.7			
11/12/2019							280	190	490

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 1/7/2021 5:19 PM View: PL's Interwell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
4/16/2020	6.1	5.6	5.3	5.8	6.2	4.9			
4/18/2020							59		660
4/22/2020								120	
10/7/2020	6.6	5.1	5.7	5.9	6.1	4.7			
10/12/2020							130	82	610

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 1/7/2021 5:19 PM View: PL's Interwell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	<0.1	<0.1	<0.1	<0.1					
3/1/2016					<0.1	0.033 (J)			
3/2/2016							0.088 (J)	0.54	0.074 (J)
5/2/2016	<0.1	<0.1	<0.1			<0.1			
5/3/2016					<0.1		0.05 (J)		0.05 (J)
5/4/2016				<0.1				0.41	
7/5/2016	<0.1	<0.1	<0.1		<0.1	<0.1	0.07 (J)		0.05 (J)
7/6/2016								0.49	
7/8/2016				<0.1					
9/6/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
9/8/2016							0.07 (J)	0.57	0.05 (J)
11/7/2016	<0.1	<0.1	<0.1		<0.1	<0.1			
11/8/2016								0.47	
11/9/2016							0.06 (J)		0.04 (J)
11/10/2016				<0.1					
1/9/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
1/11/2017				<0.1					
1/12/2017							<0.1		0.04 (J)
1/13/2017								0.73	
3/13/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
3/14/2017				<0.1					
3/16/2017								0.92	
3/17/2017							0.05 (J)		0.04 (J)
5/15/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
5/16/2017							0.06 (J)		
5/17/2017								0.77	0.06 (J)
5/18/2017				<0.1					
10/2/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
10/3/2017									0.11
10/4/2017							0.08 (J)	0.96	
10/5/2017				<0.1					
12/20/2017								0.88 (R)	0.08 (I)
3/12/2018	<0.1	<0.1	<0.1		<0.1	<0.1			
3/13/2018							0.05 (J)		
3/14/2018				0.12				0.84	0.08 (J)
6/5/2018	<0.1	<0.1	<0.1						
6/6/2018					<0.1	<0.1			
6/8/2018							0.13		0.1
6/9/2018								0.78	
6/10/2018				<0.1					
10/16/2018	<0.1	<0.1	<0.1						
10/17/2018					<0.1	<0.1			0.12
10/18/2018				<0.1					
11/13/2018							0.1		
11/14/2018								0.67	
2/27/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
2/28/2019							0.3		0.1
3/5/2019								0.64	
5/31/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
6/4/2019							<0.1	0.09 (J)	0.08 (J)
11/6/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
11/12/2019							0.072 (J)	0.57	0.045 (J)

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 1/7/2021 5:19 PM View: PL's Interwell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
4/16/2020	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
4/18/2020							<0.1		<0.1
4/22/2020								0.39	
10/7/2020	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
10/12/2020							<0.1	0.46	0.04 (J)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 1/7/2021 5:19 PM View: PL's Interwell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-307 (bg)	MW-306 (bg)	MW-201	MW-206	MW-200
2/29/2016	<5	1.6 (J)	<5	<5					
3/1/2016					<5	<5			
3/2/2016							450	460	400
5/2/2016	15 (o)	2.1 (J)	<5		<5				
5/3/2016						<5		740	2.2 (J)
5/4/2016				<5			500		
7/5/2016	<5	2 (J)	<5		<5	<5		750	450 (J)
7/6/2016							370		
7/8/2016				<5					
9/6/2016	<5	1.8 (J)	<5	<5	3.7 (J)	<5			
9/8/2016							450	710	450
11/7/2016	<5	1.7 (J)	<5		<5	<5			
11/8/2016							450		
11/9/2016								810	430
11/10/2016				<5					
1/9/2017	<5	1.5 (J)	2.6 (J)		<5	<5			
1/11/2017				<5					
1/12/2017								600	130
1/13/2017							390		
3/13/2017	2.5 (J)	2.2 (J)	<5		<5	<5			
3/14/2017				<5					
3/16/2017							290		
3/17/2017								640	290
5/15/2017	<5	1.9 (J)	<5		<5	<5			
5/16/2017									280
5/17/2017							270	590	
5/18/2017				<5 (X)					
10/2/2017	<5	3.4 (J)	<5		1.7 (J)	1.5 (J)			
10/3/2017								480	
10/4/2017							240		250
10/5/2017				<5					
12/20/2017							210 (R)	470	230 (R)
3/12/2018	<5	2.6 (J)	<5		<5	<5			
3/13/2018									160
3/14/2018				<5			190	470	
6/5/2018	<5	2.6 (J)	<5						
6/6/2018					<5	<5			
6/8/2018								440	160
6/9/2018							170		
6/10/2018				1.5 (J)					
10/16/2018	<5	2.8 (J)	<5						
10/17/2018					<5	<5		270	
10/18/2018				<5					
11/13/2018									130
11/14/2018							110		
2/27/2019	<5	2.4 (J)	<5	1.9 (J)	<5	<5			
2/28/2019								240	130
3/5/2019							86		
5/31/2019	<5	3.3 (J)	<5	<5	<5	<5			
6/4/2019							100	280	100
11/6/2019	<5	3.7 (J)	<5	<5	<5	<5			
11/12/2019							93	260	100

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 1/7/2021 5:19 PM View: PL's Interwell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-307 (bg)	MW-306 (bg)	MW-201	MW-206	MW-200
4/16/2020	<5	1.7 (J)	<5	<5	<5	<5			
4/18/2020								250	64
4/22/2020							130		
10/7/2020	<5	4 (J)	<5	<5	<5	<5			
10/12/2020							110	230	64

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 1/7/2021 5:19 PM View: PL's Interwell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	20	12	<5	20					
3/1/2016					10	<5			
3/2/2016							7200	7200	32000 (o)
5/2/2016	<5	6	<5			36			
5/3/2016					<5		6400		13000
5/4/2016				6				4500	
7/5/2016	12	<5	14		<5	<5	7000		8700
7/6/2016								4900	
7/8/2016				6					
9/6/2016	36	38	30	36	36	44			
9/8/2016							6000	4400	11000 (Q)
11/7/2016	18	<5	8		<5	30			
11/8/2016								6200	
11/9/2016							3500		13000
11/10/2016				16					
1/9/2017	4 (J)	14	<5		<5	12			
1/11/2017				38					
1/12/2017							1500		12000
1/13/2017								4400	
3/13/2017	6	8	<5		22	20			
3/14/2017				<5					
3/16/2017								2800	
3/17/2017							2900		10000
5/15/2017	<5	<5	<5		6	4 (J)			
5/16/2017							3100		
5/17/2017								1100	8300
5/18/2017				10					
10/2/2017	<5	6	<5		16	24			
10/3/2017									7100
10/4/2017							3400	700	
10/5/2017				<5					
12/20/2017							1900 (R)	590 (R)	7000
3/12/2018	18	<5	14		<5	<5			
3/13/2018							1600		
3/14/2018				8				490	6300
6/5/2018	10	14	<5						
6/6/2018					20	16			
6/8/2018							2000		5200
6/9/2018								430	
6/10/2018				8					
10/16/2018	32	6	12						
10/17/2018					44	44			3800
10/18/2018				28					
11/13/2018							1400		
11/14/2018								230	
2/27/2019	110	110	54	68	20	28			
2/28/2019							1400		1700
3/5/2019								300	
5/31/2019	46	26	8	<5	32	18			
6/4/2019							1200	400	2300
11/6/2019	<5	<5	4 (J)	10	24	20			
11/12/2019							1000	670	1900

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 1/7/2021 5:19 PM View: PL's Interwell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
4/16/2020	28	8	18	44	6	8			
4/18/2020							240		1700
4/22/2020								600	
10/7/2020	30	26	20	24	16	12			
10/12/2020							600	460	2200

Appendix III Intrawell Prediction Limits - 200 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/7/2021, 5:17 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	**MW-200**	**5.263**	**4.716**	**10/12/2020**	**5.3**	**Yes**	**14**	**4.989**	**0.134**	**0**	**None**	**No**	**0.001253**	**Param Intra 1 of 2**
Field pH (SU)	**MW-206**	**4.64**	**3.998**	**10/12/2020**	**4.82**	**Yes**	**14**	**4.319**	**0.1573**	**0**	**None**	**No**	**0.001253**	**Param Intra 1 of 2**

Appendix III Intrawell Prediction Limits - 200 Series Wells - All Results

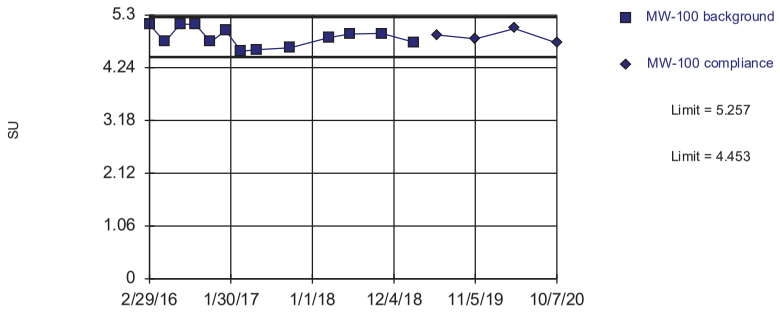
Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/7/2021, 5:17 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	MW-100	5.257	4.453	10/7/2020	4.74	No	13	4.855	0.1936	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-101	5.491	4.42	10/7/2020	5.08	No	13	4.955	0.258	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-107	5.412	4.406	10/7/2020	4.91	No	13	4.909	0.2421	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-108	5.178	4.369	10/7/2020	4.8	No	12	4.773	0.1917	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-306	5.438	4.624	10/7/2020	5.13	No	13	5.031	0.1961	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	MW-307	6.537	5.063	10/7/2020	5.5	No	13	5.8	0.3549	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	**MW-200**	**5.263**	**4.716**	**10/12/2020**	**5.3**	**Yes**	**14**	**4.989**	**0.134**	**0**	**None**	**No**	**0.001253**	**Param Intra 1 of 2**
Field pH (SU)	MW-201	5.704	4.463	10/12/2020	4.56	No	14	5.084	0.304	0	None	No	0.001253	Param Intra 1 of 2
Field pH (SU)	**MW-206**	**4.64**	**3.998**	**10/12/2020**	**4.82**	**Yes**	**14**	**4.319**	**0.1573**	**0**	**None**	**No**	**0.001253**	**Param Intra 1 of 2**

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.855, Std. Dev.=0.1936, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9274, critical = 0.814. Kappa = 2.077 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

Constituent: Field pH Analysis Run 1/7/2021 5:14 PM View: PL's Intrawell 200 Series

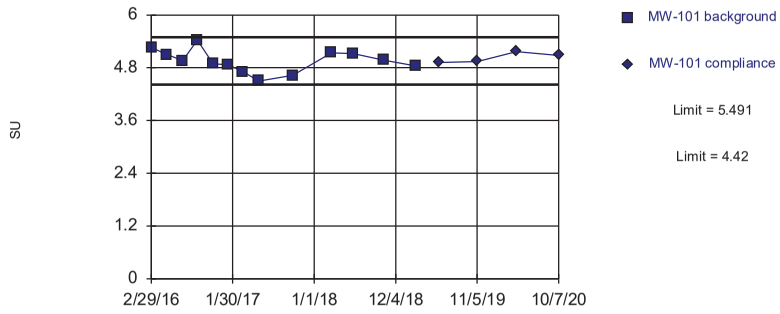
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.955, Std. Dev.=0.258, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9894, critical = 0.814. Kappa = 2.077 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

Constituent: Field pH Analysis Run 1/7/2021 5:15 PM View: PL's Intrawell 200 Series

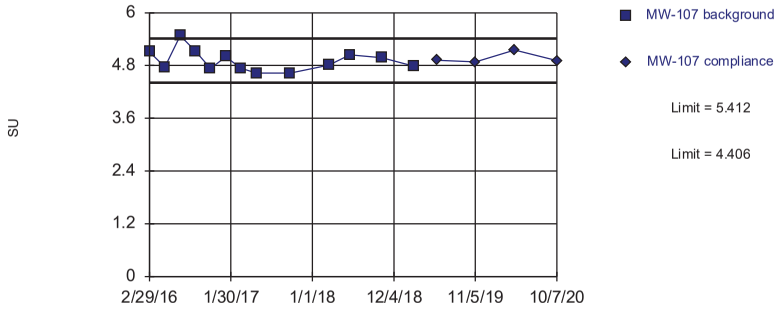
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.909, Std. Dev.=0.2421, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9038, critical = 0.814. Kappa = 2.077 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

Constituent: Field pH Analysis Run 1/7/2021 5:15 PM View: PL's Intrawell 200 Series

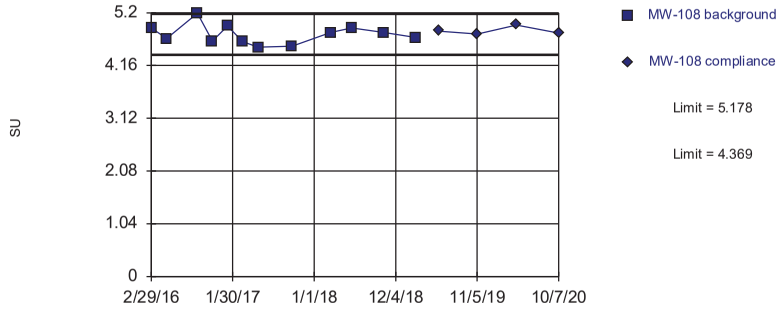
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.773, Std. Dev.=0.1917, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9468, critical = 0.805. Kappa = 2.112 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

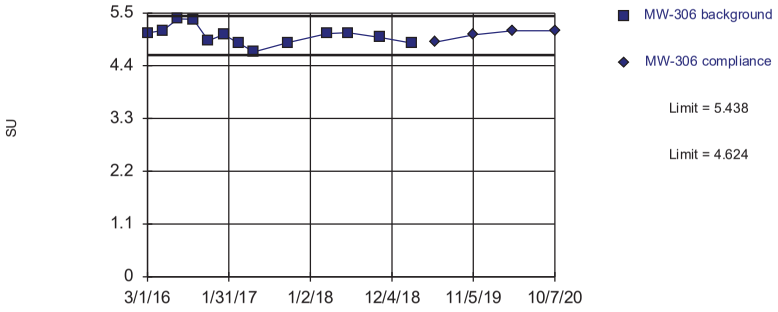
Constituent: Field pH Analysis Run 1/7/2021 5:15 PM View: PL's Intrawell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.031, Std. Dev.=0.1961, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9411, critical = 0.814. Kappa = 2.077 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

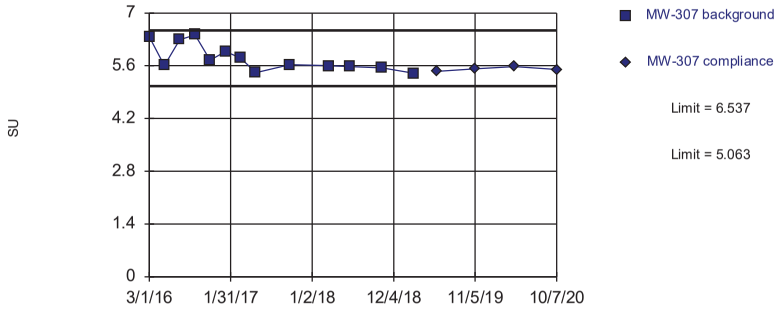
Constituent: Field pH Analysis Run 1/7/2021 5:15 PM View: PL's Intrawell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.8, Std. Dev.=0.3549, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8636, critical = 0.814. Kappa = 2.077 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

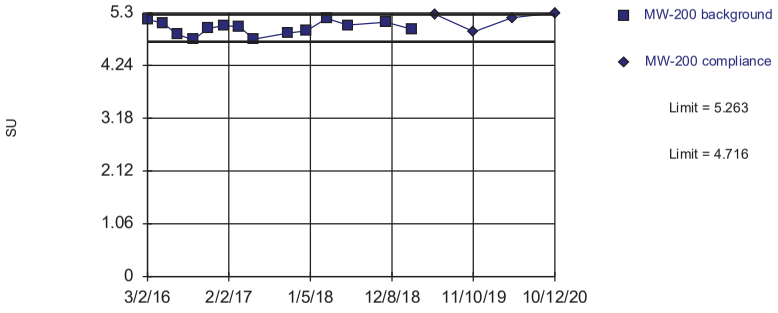
Constituent: Field pH Analysis Run 1/7/2021 5:15 PM View: PL's Intrawell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Exceeds Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.989, Std. Dev.=0.134, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9622, critical = 0.825. Kappa = 2.041 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

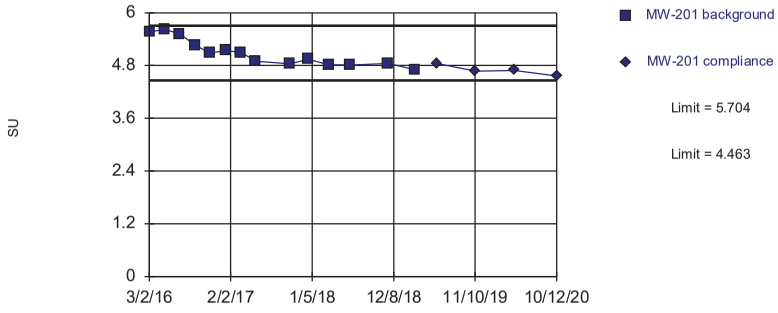
Constituent: Field pH Analysis Run 1/7/2021 5:15 PM View: PL's Intrawell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.084, Std. Dev.=0.304, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8864, critical = 0.825. Kappa = 2.041 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

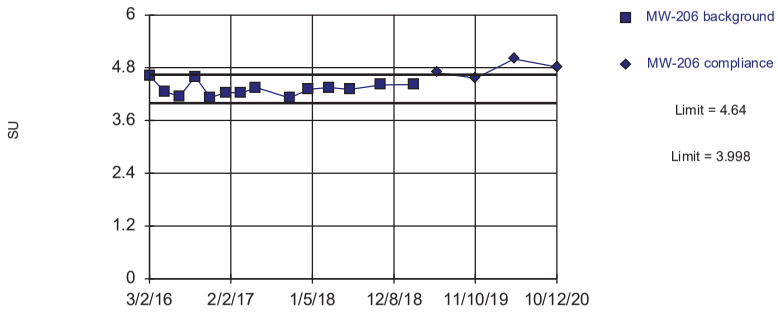
Constituent: Field pH Analysis Run 1/7/2021 5:15 PM View: PL's Intrawell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Exceeds Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.319, Std. Dev.=0.1573, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9338, critical = 0.825. Kappa = 2.041 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.002505.

Constituent: Field pH Analysis Run 1/7/2021 5:15 PM View: PL's Intrawell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Prediction Limit

Constituent: Field pH (SU) Analysis Run 1/7/2021 5:17 PM View: PL's Intrawell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100	MW-100
2/29/2016	5.11	
5/2/2016	4.76	
7/5/2016	5.12	
9/6/2016	5.11	
11/7/2016	4.76	
1/9/2017	4.99	
3/13/2017	4.57	
5/15/2017	4.6	
10/2/2017	4.64	
3/12/2018	4.85	
6/5/2018	4.92	
10/16/2018	4.93	
2/27/2019	4.75	
5/31/2019		4.9
11/6/2019		4.82
4/16/2020		5.03
10/7/2020		4.74

Prediction Limit

Constituent: Field pH (SU) Analysis Run 1/7/2021 5:17 PM View: PL's Intrawell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-101	MW-101
2/29/2016	5.26	
5/4/2016	5.1	
7/8/2016	4.96	
9/6/2016	5.43	
11/10/2016	4.89	
1/11/2017	4.87	
3/14/2017	4.71	
5/18/2017	4.5	
10/5/2017	4.63	
3/14/2018	5.14	
6/10/2018	5.12	
10/18/2018	4.97	
2/27/2019	4.84	
5/31/2019		4.92
11/6/2019		4.94
4/16/2020		5.17
10/7/2020		5.08

Prediction Limit

Constituent: Field pH (SU) Analysis Run 1/7/2021 5:17 PM View: PL's Intrawell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-107	MW-107
2/29/2016	5.11	
5/2/2016	4.77	
7/5/2016	5.48	
9/6/2016	5.12	
11/7/2016	4.73	
1/9/2017	5	
3/13/2017	4.74	
5/15/2017	4.63	
10/2/2017	4.63	
3/12/2018	4.81	
6/5/2018	5.04	
10/16/2018	4.98	
2/27/2019	4.78	
5/31/2019		4.92
11/6/2019		4.88
4/16/2020		5.15
10/7/2020		4.91

Prediction Limit

Constituent: Field pH (SU) Analysis Run 1/7/2021 5:17 PM View: PL's Intrawell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-108	MW-108
2/29/2016	4.9	
5/2/2016	4.69	
7/5/2016	7.11 (o)	
9/6/2016	5.19	
11/7/2016	4.64	
1/9/2017	4.94	
3/13/2017	4.63	
5/15/2017	4.52	
10/2/2017	4.54	
3/12/2018	4.81	
6/5/2018	4.9	
10/16/2018	4.81	
2/27/2019	4.71	
5/31/2019		4.84
11/6/2019		4.78
4/16/2020		4.96
10/7/2020		4.8

Prediction Limit

Constituent: Field pH (SU) Analysis Run 1/7/2021 5:17 PM View: PL's Intrawell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306	MW-306
3/1/2016	5.08	
5/3/2016	5.14	
7/5/2016	5.38	
9/6/2016	5.37	
11/7/2016	4.92	
1/9/2017	5.05	
3/13/2017	4.87	
5/15/2017	4.69	
10/2/2017	4.88	
3/12/2018	5.07	
6/6/2018	5.09	
10/17/2018	4.99	
2/27/2019	4.87	
5/31/2019		4.89
11/6/2019		5.04
4/16/2020		5.13
10/7/2020		5.13

Prediction Limit

Constituent: Field pH (SU) Analysis Run 1/7/2021 5:17 PM View: PL's Intrawell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-307	MW-307
3/1/2016	6.37	
5/2/2016	5.605 (D)	
7/5/2016	6.29	
9/6/2016	6.42	
11/7/2016	5.75	
1/9/2017	5.98	
3/13/2017	5.81	
5/15/2017	5.42	
10/2/2017	5.63	
3/12/2018	5.6	
6/6/2018	5.58	
10/17/2018	5.54	
2/27/2019	5.4	
5/31/2019		5.45
11/6/2019		5.52
4/16/2020		5.58
10/7/2020		5.5

Prediction Limit

Constituent: Field pH (SU) Analysis Run 1/7/2021 5:17 PM View: PL's Intrawell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-200	MW-200
3/2/2016	5.16 (D)	
5/3/2016	5.1	
7/5/2016	4.86	
9/8/2016	4.76	
11/9/2016	4.99	
1/12/2017	5.04	
3/17/2017	5.02	
5/16/2017	4.77	
10/4/2017	4.89	
12/20/2017	4.94 (R)	
3/13/2018	5.19	
6/8/2018	5.05	
11/13/2018	5.11	
2/28/2019	4.97	
6/4/2019		5.27
11/12/2019		4.92
4/18/2020		5.2
10/12/2020		5.3

Prediction Limit

Constituent: Field pH (SU) Analysis Run 1/7/2021 5:17 PM View: PL's Intrawell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-201	MW-201
3/2/2016	5.57	
5/4/2016	5.62	
7/6/2016	5.52	
9/8/2016	5.26	
11/8/2016	5.09	
1/13/2017	5.14	
3/16/2017	5.1	
5/17/2017	4.9	
10/4/2017	4.84	
12/20/2017	4.94 (R)	
3/14/2018	4.82	
6/9/2018	4.81	
11/14/2018	4.85	
3/5/2019	4.71	
6/4/2019		4.85
11/12/2019		4.67
4/22/2020		4.69
10/12/2020		4.56

Prediction Limit

Constituent: Field pH (SU) Analysis Run 1/7/2021 5:17 PM View: PL's Intrawell 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-206	MW-206
3/2/2016	4.62	
5/3/2016	4.26	
7/5/2016	4.15	
9/8/2016	4.6	
11/9/2016	4.12	
1/12/2017	4.24	
3/17/2017	4.22	
5/17/2017	4.35	
10/3/2017	4.11	
12/20/2017	4.31	
3/14/2018	4.35	
6/8/2018	4.31	
10/17/2018	4.41	
2/28/2019	4.42	
6/4/2019		4.69
11/12/2019		4.56
4/18/2020		5
10/12/2020		4.82

300 Series

Appendix III Interwell Prediction Limits - 300 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/7/2021, 5:32 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**MW-303**	**0.081**	**n/a**	**10/8/2020**	**3.6**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001875**	NP (NDs) 1 of 2
Boron (mg/L)	**MW-304**	**0.081**	**n/a**	**10/9/2020**	**0.68**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001875**	NP (NDs) 1 of 2
Boron (mg/L)	**MW-308**	**0.081**	**n/a**	**10/8/2020**	**2.4**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001875**	NP (NDs) 1 of 2
Calcium (mg/L)	**MW-303**	**1.456**	**n/a**	**10/8/2020**	**100**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.001504**	Param 1 of 2
Calcium (mg/L)	**MW-304**	**1.456**	**n/a**	**10/9/2020**	**120**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.001504**	Param 1 of 2
Calcium (mg/L)	**MW-308**	**1.456**	**n/a**	**10/8/2020**	**55**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.001504**	Param 1 of 2
Chloride (mg/L)	**MW-300**	**6.725**	**n/a**	**10/9/2020**	**8.9**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.001504**	Param 1 of 2
Chloride (mg/L)	**MW-303**	**6.725**	**n/a**	**10/8/2020**	**230**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.001504**	Param 1 of 2
Chloride (mg/L)	**MW-304**	**6.725**	**n/a**	**10/9/2020**	**14**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.001504**	Param 1 of 2
Chloride (mg/L)	**MW-305**	**6.725**	**n/a**	**10/9/2020**	**7.5**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.001504**	Param 1 of 2
Chloride (mg/L)	**MW-308**	**6.725**	**n/a**	**10/8/2020**	**36**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.001504**	Param 1 of 2
Sulfate (mg/L)	**MW-303**	**5**	**n/a**	**10/8/2020**	**160**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001905**	NP (NDs) 1 of 2
Sulfate (mg/L)	**MW-304**	**5**	**n/a**	**10/9/2020**	**300**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001905**	NP (NDs) 1 of 2
Sulfate (mg/L)	**MW-308**	**5**	**n/a**	**10/8/2020**	**170**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001905**	NP (NDs) 1 of 2
Total Dissolved Solids (mg/L)	**MW-303**	**110**	**n/a**	**10/8/2020**	**850**	**Yes**	**102**	**n/a**	**n/a**	**26.47**	**n/a**	**n/a**	**0.0001875**	NP (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-304**	**110**	**n/a**	**10/9/2020**	**580**	**Yes**	**102**	**n/a**	**n/a**	**26.47**	**n/a**	**n/a**	**0.0001875**	NP (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-308**	**110**	**n/a**	**10/8/2020**	**380**	**Yes**	**102**	**n/a**	**n/a**	**26.47**	**n/a**	**n/a**	**0.0001875**	NP (normality) 1 of 2

Appendix III Interwell Prediction Limits - 300 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/7/2021, 5:32 PM

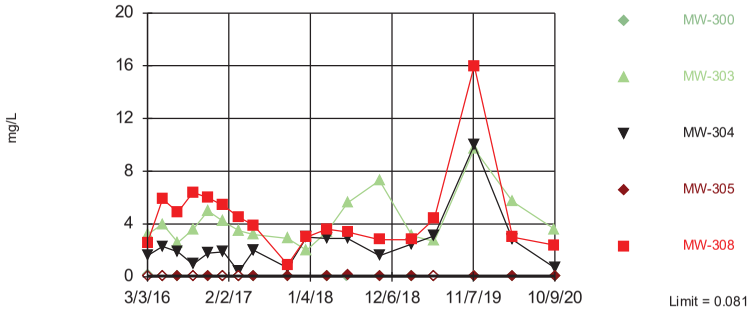
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-300	0.081	n/a	10/9/2020	0.025J	No	102	n/a	n/a	85.29	n/a	n/a	0.0001875	NP (NDs) 1 of 2
Boron (mg/L)	**MW-303**	**0.081**	**n/a**	**10/8/2020**	**3.6**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001875**	NP (NDs) 1 of 2
Boron (mg/L)	**MW-304**	**0.081**	**n/a**	**10/9/2020**	**0.68**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001875**	NP (NDs) 1 of 2
Boron (mg/L)	MW-305	0.081	n/a	10/9/2020	0.018J	No	102	n/a	n/a	85.29	n/a	n/a	0.0001875	NP (NDs) 1 of 2
Boron (mg/L)	**MW-308**	**0.081**	**n/a**	**10/8/2020**	**2.4**	**Yes**	**102**	**n/a**	**n/a**	**85.29**	**n/a**	**n/a**	**0.0001875**	NP (NDs) 1 of 2
Calcium (mg/L)	MW-300	1.456	n/a	10/9/2020	0.58	No	102	-0.3815	0.4191	0	None	ln(x)	0.001504	Param 1 of 2
Calcium (mg/L)	**MW-303**	**1.456**	**n/a**	**10/8/2020**	**100**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.001504**	Param 1 of 2
Calcium (mg/L)	**MW-304**	**1.456**	**n/a**	**10/9/2020**	**120**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.001504**	Param 1 of 2
Calcium (mg/L)	MW-305	1.456	n/a	10/9/2020	0.76	No	102	-0.3815	0.4191	0	None	ln(x)	0.001504	Param 1 of 2
Calcium (mg/L)	**MW-308**	**1.456**	**n/a**	**10/8/2020**	**55**	**Yes**	**102**	**-0.3815**	**0.4191**	**0**	**None**	**ln(x)**	**0.001504**	Param 1 of 2
Chloride (mg/L)	**MW-300**	**6.725**	**n/a**	**10/9/2020**	**8.9**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.001504**	Param 1 of 2
Chloride (mg/L)	**MW-303**	**6.725**	**n/a**	**10/8/2020**	**230**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.001504**	Param 1 of 2
Chloride (mg/L)	**MW-304**	**6.725**	**n/a**	**10/9/2020**	**14**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.001504**	Param 1 of 2
Chloride (mg/L)	**MW-305**	**6.725**	**n/a**	**10/9/2020**	**7.5**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.001504**	Param 1 of 2
Chloride (mg/L)	**MW-308**	**6.725**	**n/a**	**10/8/2020**	**36**	**Yes**	**102**	**5.234**	**0.825**	**0**	**None**	**No**	**0.001504**	Param 1 of 2
Fluoride (mg/L)	MW-300	0.12	n/a	10/9/2020	0.1ND	No	102	n/a	n/a	98.04	n/a	n/a	0.0001875	NP (NDs) 1 of 2
Fluoride (mg/L)	MW-303	0.12	n/a	10/8/2020	0.1ND	No	102	n/a	n/a	98.04	n/a	n/a	0.0001875	NP (NDs) 1 of 2
Fluoride (mg/L)	MW-304	0.12	n/a	10/9/2020	0.04J	No	102	n/a	n/a	98.04	n/a	n/a	0.0001875	NP (NDs) 1 of 2
Fluoride (mg/L)	MW-305	0.12	n/a	10/9/2020	0.1ND	No	102	n/a	n/a	98.04	n/a	n/a	0.0001875	NP (NDs) 1 of 2
Fluoride (mg/L)	MW-308	0.12	n/a	10/8/2020	0.07J	No	102	n/a	n/a	98.04	n/a	n/a	0.0001875	NP (NDs) 1 of 2
Sulfate (mg/L)	MW-300	5	n/a	10/9/2020	5ND	No	101	n/a	n/a	76.24	n/a	n/a	0.0001905	NP (NDs) 1 of 2
Sulfate (mg/L)	**MW-303**	**5**	**n/a**	**10/8/2020**	**160**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001905**	NP (NDs) 1 of 2
Sulfate (mg/L)	**MW-304**	**5**	**n/a**	**10/9/2020**	**300**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001905**	NP (NDs) 1 of 2
Sulfate (mg/L)	MW-305	5	n/a	10/9/2020	5ND	No	101	n/a	n/a	76.24	n/a	n/a	0.0001905	NP (NDs) 1 of 2
Sulfate (mg/L)	**MW-308**	**5**	**n/a**	**10/8/2020**	**170**	**Yes**	**101**	**n/a**	**n/a**	**76.24**	**n/a**	**n/a**	**0.0001905**	NP (NDs) 1 of 2
Total Dissolved Solids (mg/L)	MW-300	110	n/a	10/9/2020	52	No	102	n/a	n/a	26.47	n/a	n/a	0.0001875	NP (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-303**	**110**	**n/a**	**10/8/2020**	**850**	**Yes**	**102**	**n/a**	**n/a**	**26.47**	**n/a**	**n/a**	**0.0001875**	NP (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-304**	**110**	**n/a**	**10/9/2020**	**580**	**Yes**	**102**	**n/a**	**n/a**	**26.47**	**n/a**	**n/a**	**0.0001875**	NP (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-305	110	n/a	10/9/2020	42	No	102	n/a	n/a	26.47	n/a	n/a	0.0001875	NP (normality) 1 of 2
Total Dissolved Solids (mg/L)	**MW-308**	**110**	**n/a**	**10/8/2020**	**380**	**Yes**	**102**	**n/a**	**n/a**	**26.47**	**n/a**	**n/a**	**0.0001875**	NP (normality) 1 of 2

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-303, MW-304, MW-308

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 102 background values. 85.29% NDs. Annual per-constituent alpha = 0.001874. Individual comparison alpha = 0.0001875 (1 of 2). Comparing 5 points to limit.

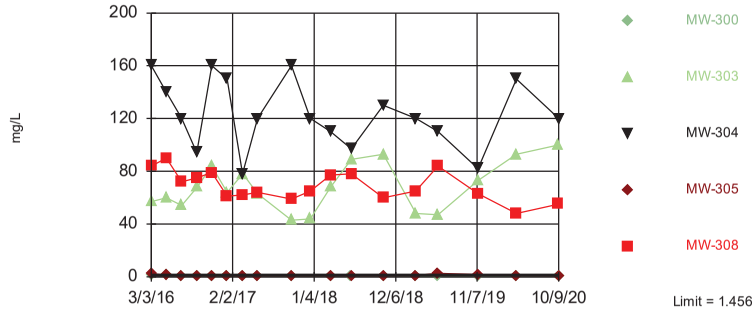
Constituent: Boron Analysis Run 1/7/2021 5:31 PM View: PL's Interwell 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Exceeds Limit: MW-303, MW-304, MW-308

Prediction Limit

Interwell Parametric



Background Data Summary (based on natural log transformation): Mean=-0.3815, Std. Dev.=0.4191, n=102. Normality test: Chi Squared @alpha = 0.01, calculated = 12.31, critical = 14.07. Kappa = 1.807 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.001504. Comparing 5 points to limit.

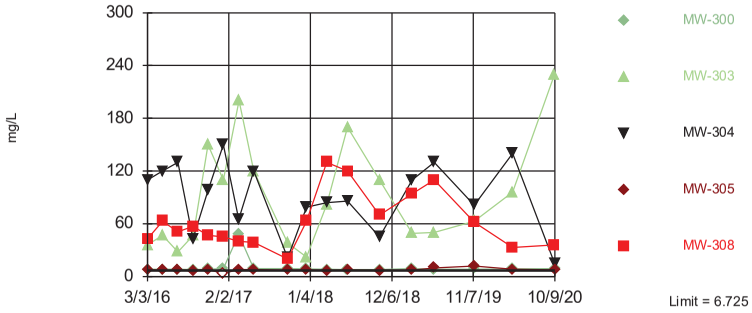
Constituent: Calcium Analysis Run 1/7/2021 5:31 PM View: PL's Interwell 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-300, MW-303, MW-304, MW-305, MW-308

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=5.234, Std. Dev.=0.825, n=102. Normality test: Chi Squared @alpha = 0.01, calculated = 6.431, critical = 14.07. Kappa = 1.807 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.001504. Comparing 5 points to limit.

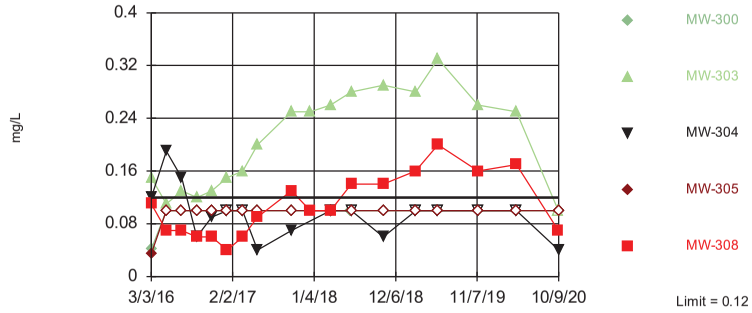
Constituent: Chloride Analysis Run 1/7/2021 5:31 PM View: PL's Interwell 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 102 background values. 98.04% NDs. Annual per-constituent alpha = 0.001874. Individual comparison alpha = 0.0001875 (1 of 2). Comparing 5 points to limit.

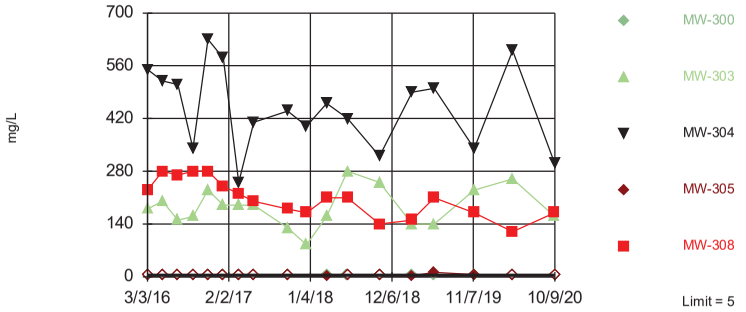
Constituent: Fluoride Analysis Run 1/7/2021 5:31 PM View: PL's Interwell 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-303, MW-304, MW-308

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 101 background values. 76.24% NDs. Annual per-constituent alpha = 0.001903. Individual comparison alpha = 0.0001905 (1 of 2). Comparing 5 points to limit.

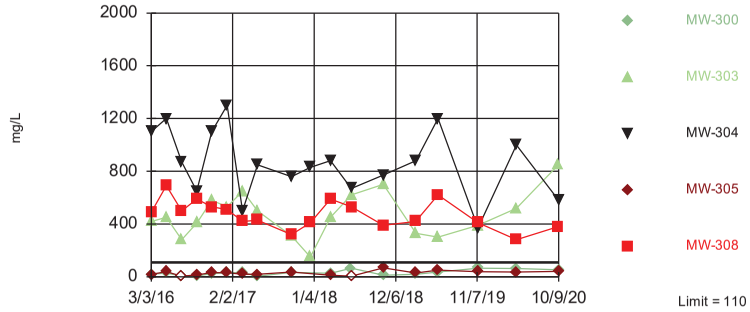
Constituent: Sulfate Analysis Run 1/7/2021 5:31 PM View: PL's Interwell 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-303, MW-304, MW-308

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 102 background values. 26.47% NDs. Annual per-constituent alpha = 0.001874. Individual comparison alpha = 0.0001875 (1 of 2). Comparing 5 points to limit.

Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:31 PM View: PL's Interwell 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 1/7/2021 5:32 PM View: PL's Interwell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-307 (bg)	MW-306 (bg)	MW-303	MW-304	MW-305
2/29/2016	<0.05	<0.05	<0.05	<0.05					
3/1/2016					<0.05	<0.05			
3/3/2016							3.2	1.6	<0.05
5/2/2016	<0.05	<0.05	<0.05		<0.05				
5/3/2016						<0.05			
5/4/2016				<0.05			4	2.3	<0.05 (*)
7/5/2016	<0.05	<0.05	<0.05		<0.05	<0.05			
7/6/2016							2.6	1.9	
7/7/2016									0.034 (J)
7/8/2016				<0.05					
9/6/2016	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
9/7/2016								0.95	<0.05
9/8/2016							3.6		
11/7/2016	<0.05	<0.05	<0.05		<0.05	<0.05			0.045 (J)
11/8/2016							5	1.8	
11/10/2016				<0.05					
1/9/2017	<0.05	<0.05	<0.05		<0.05	<0.05			
1/10/2017							4.2	1.9	<0.05 (*)
1/11/2017				<0.05					
3/13/2017	<0.05	0.022 (J)	<0.05		<0.05	<0.05			
3/14/2017				<0.05					
3/15/2017								0.38	<0.05
3/16/2017							3.5		
5/15/2017	<0.05	<0.05	<0.05		<0.05	<0.05	3.2		
5/16/2017								2	0.043 (J)
5/18/2017				<0.05					
10/2/2017	<0.05	0.023 (J)	<0.05		<0.05	<0.05			
10/3/2017							2.9	0.67	0.026 (J)
10/5/2017				<0.05					
12/20/2017							2	3	
3/12/2018	<0.05	<0.05	<0.05		<0.05	<0.05			
3/13/2018							3.4	2.9	0.07
3/14/2018				<0.05					
6/5/2018	<0.05	<0.05	<0.05						
6/6/2018					<0.05	<0.05			
6/7/2018							5.6	2.9	0.1
6/10/2018				<0.05					
10/16/2018	<0.05	<0.05	<0.05						
10/17/2018					<0.05	<0.05	7.3	1.6	0.074
10/18/2018				0.081					
2/27/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
2/28/2019							3.1	2.5	0.027 (J)
5/31/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	2.7	3.1	<0.05
11/6/2019	0.017 (V)	0.022 (V)	0.016 (V)	0.016 (V)	0.0099 (J)	0.011 (V)			
11/11/2019							9.7	10	0.036 (V)
4/16/2020	0.02	0.017	0.013	0.013	0.0055 (J)	0.0075 (J)			
4/18/2020							5.7	2.8	0.016
10/7/2020	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
10/8/2020							3.6		
10/9/2020								0.68	0.018 (J)

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 1/7/2021 5:32 PM View: PL's Interwell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-308	MW-300
2/29/2016		
3/1/2016		
3/3/2016	2.6	0.11 (J)
5/2/2016		
5/3/2016		
5/4/2016	5.9	<0.05
7/5/2016		
7/6/2016	4.9	
7/7/2016		<0.05
7/8/2016		
9/6/2016		
9/7/2016	6.4	0.028 (J)
9/8/2016		
11/7/2016		
11/8/2016	6	0.025 (J)
11/10/2016		
1/9/2017		
1/10/2017	5.4	<0.05 (*)
1/11/2017		
3/13/2017		
3/14/2017		
3/15/2017		<0.05
3/16/2017	4.5	
5/15/2017		
5/16/2017	3.9	<0.05
5/18/2017		
10/2/2017		
10/3/2017	0.93	0.03 (J)
10/5/2017		
12/20/2017	3	
3/12/2018		
3/13/2018	3.6	<0.05
3/14/2018		
6/5/2018		
6/6/2018		0.024 (J)
6/7/2018	3.4	
6/10/2018		
10/16/2018		
10/17/2018	2.8	
10/18/2018		0.022 (J)
2/27/2019	2.8	
2/28/2019		<0.05
5/31/2019	4.4	<0.05
11/6/2019		
11/11/2019	16	0.035 (V)
4/16/2020		
4/18/2020	3	0.027
10/7/2020		
10/8/2020	2.4	
10/9/2020		0.025 (J)

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 1/7/2021 5:32 PM View: PL's Interwell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-307 (bg)	MW-306 (bg)	MW-303	MW-304	MW-305
2/29/2016	1	1.4	0.67	1 (J)					
3/1/2016					1.5	0.6			
3/3/2016							57	160	2.5
5/2/2016	0.78	1.1	0.58		0.83				
5/3/2016						0.55			
5/4/2016				0.62			60	140	1.1
7/5/2016	0.65	0.94	0.43		1.6	0.53			
7/6/2016							54	120	
7/7/2016									0.71
7/8/2016				0.4					
9/6/2016	0.7	1	0.48	0.45	1.6	0.5			
9/7/2016								94	0.78
9/8/2016							68		
11/7/2016	0.8	1.2	0.56		1.5	0.68			0.82
11/8/2016							84	160	
11/10/2016				0.44					
1/9/2017	0.74	1.2	0.43		0.98	0.56			
1/10/2017							64	150	0.58
1/11/2017				0.42					
3/13/2017	0.78	1.3	0.48		0.75	0.62			
3/14/2017				0.42					
3/15/2017								78	0.69
3/16/2017							78		
5/15/2017	0.76	1	0.37		0.83	0.58	63		
5/16/2017								120	0.66
5/18/2017				0.38					
10/2/2017	0.78	1.2	0.47		0.83	0.62			
10/3/2017							43	160	0.68
10/5/2017				0.39					
12/20/2017							44	120	
3/12/2018	0.88	1.4	0.49		0.71	0.59			
3/13/2018							68	110	0.65
3/14/2018				0.49					
6/5/2018	0.9	1.2	0.49						
6/6/2018					0.68	0.59			
6/7/2018							89	97	0.6
6/10/2018				0.39					
10/16/2018	0.86	1.4	0.42						
10/17/2018					0.66	0.54	93	130	0.73
10/18/2018				0.41					
2/27/2019	0.96	1.3	0.56	0.44	0.7	0.63			
2/28/2019							48	120	0.84
5/31/2019	0.76	1.1	0.33	0.28	0.52	0.45	47	110	2.6
11/6/2019	0.88	1.2	0.49	0.46	0.74	0.55			
11/11/2019							73	82	1.6 (V)
4/16/2020	0.84	1.3	0.36	0.38	0.59	0.53			
4/18/2020							93	150	0.9
10/7/2020	0.93	1.6	0.43	0.47	0.67	0.63			
10/8/2020							100		
10/9/2020								120	0.76

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 1/7/2021 5:32 PM View: PL's Interwell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-308	MW-300
2/29/2016		
3/1/2016		
3/3/2016	84	1 (J)
5/2/2016		
5/3/2016		
5/4/2016	90	1
7/5/2016		
7/6/2016	72	
7/7/2016		0.62
7/8/2016		
9/6/2016		
9/7/2016	75	0.6
9/8/2016		
11/7/2016		
11/8/2016	79	0.53
11/10/2016		
1/9/2017		
1/10/2017	61	0.51
1/11/2017		
3/13/2017		
3/14/2017		
3/15/2017		0.53
3/16/2017	62	
5/15/2017		
5/16/2017	64	0.48
5/18/2017		
10/2/2017		
10/3/2017	59	0.46
10/5/2017		
12/20/2017	65	
3/12/2018		
3/13/2018	77	0.46
3/14/2018		
6/5/2018		
6/6/2018		0.45
6/7/2018	78	
6/10/2018		
10/16/2018		
10/17/2018	60	
10/18/2018		0.48
2/27/2019	65	
2/28/2019		0.44
5/31/2019	84	0.55
11/6/2019		
11/11/2019	63	0.56 (V)
4/16/2020		
4/18/2020	48	0.48
10/7/2020		
10/8/2020	55	
10/9/2020		0.58

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 1/7/2021 5:32 PM View: PL's Interwell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-307 (bg)	MW-306 (bg)	MW-300	MW-304	MW-305
2/29/2016	5.3	7.4	8.1	5.4					
3/1/2016					4	5.6			
3/3/2016							8.2	110	7.9
5/2/2016	4.4	6.3	6		3.6				
5/3/2016						5.1			
5/4/2016				4.5			8.2	120	7
7/5/2016	4.2	4.8	5.2		3.6	4.7			
7/6/2016								130	
7/7/2016							8.3		7.1
7/8/2016				4.9					
9/6/2016	4.3	6	5.5	4.3	4	4.4			
9/7/2016							8.1	43	6.9
9/8/2016									
11/7/2016	4.2	5.7	5.4		4.4	4.6			8
11/8/2016							8.5	98	
11/10/2016				4.5					
1/9/2017	5.3	6.8	6.1		4.4	5.3			
1/10/2017							9.1	150	<7.4 (*)
1/11/2017				5.3					
3/13/2017	5.2	6.8	5.5		4.1	5.6			
3/14/2017				5.5					
3/15/2017							48	65	8.1
3/16/2017									
5/15/2017	4.8	6.1	4.7		3.7	5.2			
5/16/2017							8.9	120	7.8
5/18/2017				5					
10/2/2017	5.5	6	6.1		4.8	5.5			
10/3/2017							8.9	21	7.1
10/5/2017				5.6					
12/20/2017							8.8	79	7.6
3/12/2018	5.3	5.9	6.1		4	5.6			
3/13/2018							8.3	84	6.9
3/14/2018				5.2					
6/5/2018	5.3	6.5	5.5						
6/6/2018					4.1	5.6	8		
6/7/2018								86	7.3
6/10/2018				5.2					
10/16/2018	5.5	5.9	5.1						
10/17/2018					3.7	5.5		45	6.8
10/18/2018				5.2			8.1		
2/27/2019	4.6	4.3	5	5.1	4	5.1			
2/28/2019							9.1	110	7.1
5/31/2019	5.1	4.5	5.4	5	3.7	5.4	8.2	130	9.8
11/6/2019	5.8	5.7	6.1	6	4.7	5.9			
11/11/2019							8.4	81	12
4/16/2020	6.1	5.6	5.3	5.8	4.9	6.2			
4/18/2020							8.7	140	8.2
10/7/2020	6.6	5.1	5.7	5.9	4.7	6.1			
10/8/2020									
10/9/2020							8.9	14	7.5

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 1/7/2021 5:33 PM View: PL's Interwell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-308	MW-303
2/29/2016		
3/1/2016		
3/3/2016	43	36
5/2/2016		
5/3/2016		
5/4/2016	63	47
7/5/2016		
7/6/2016	51	28
7/7/2016		
7/8/2016		
9/6/2016		
9/7/2016	57	
9/8/2016		47
11/7/2016		
11/8/2016	47	150
11/10/2016		
1/9/2017		
1/10/2017	45	110
1/11/2017		
3/13/2017		
3/14/2017		
3/15/2017		
3/16/2017	40	200
5/15/2017		120
5/16/2017	39	
5/18/2017		
10/2/2017		
10/3/2017	20	38
10/5/2017		
12/20/2017	63	22
3/12/2018		
3/13/2018	130	82
3/14/2018		
6/5/2018		
6/6/2018		
6/7/2018	120	170
6/10/2018		
10/16/2018		
10/17/2018	70	110
10/18/2018		
2/27/2019	94	
2/28/2019		49
5/31/2019	110	50
11/6/2019		
11/11/2019	62	63
4/16/2020		
4/18/2020	33	96
10/7/2020		
10/8/2020	36	230
10/9/2020		

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 1/7/2021 5:33 PM View: PL's Interwell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-307 (bg)	MW-306 (bg)	MW-303	MW-304	MW-305
2/29/2016	<0.1	<0.1	<0.1	<0.1					
3/1/2016					0.033 (J)	<0.1			
3/3/2016							0.15	0.12	0.035 (J)
5/2/2016	<0.1	<0.1	<0.1		<0.1				
5/3/2016						<0.1			
5/4/2016				<0.1			0.11	0.19	<0.1
7/5/2016	<0.1	<0.1	<0.1		<0.1	<0.1			
7/6/2016							0.13	0.15	
7/7/2016									<0.1
7/8/2016				<0.1					
9/6/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
9/7/2016								0.06 (J)	<0.1
9/8/2016							0.12		
11/7/2016	<0.1	<0.1	<0.1		<0.1	<0.1			<0.1
11/8/2016							0.13	0.09 (J)	
11/10/2016				<0.1					
1/9/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
1/10/2017							0.15	<0.1	<0.1
1/11/2017				<0.1					
3/13/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
3/14/2017				<0.1					
3/15/2017								<0.1	<0.1
3/16/2017							0.16		
5/15/2017	<0.1	<0.1	<0.1		<0.1	<0.1	0.2		
5/16/2017								0.04 (J)	<0.1
5/18/2017				<0.1					
10/2/2017	<0.1	<0.1	<0.1		<0.1	<0.1			
10/3/2017							0.25	0.07 (J)	<0.1
10/5/2017				<0.1					
12/20/2017							0.25		
3/12/2018	<0.1	<0.1	<0.1		<0.1	<0.1			
3/13/2018							0.26	<0.1	<0.1
3/14/2018				0.12					
6/5/2018	<0.1	<0.1	<0.1						
6/6/2018					<0.1	<0.1			
6/7/2018							0.28	<0.1	<0.1
6/10/2018				<0.1					
10/16/2018	<0.1	<0.1	<0.1						
10/17/2018					<0.1	<0.1	0.29	0.06 (J)	<0.1
10/18/2018				<0.1					
2/27/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
2/28/2019							0.28	<0.1	<0.1
5/31/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.33	<0.1	<0.1
11/6/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
11/11/2019							0.26	<0.1	<0.1
4/16/2020	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
4/18/2020							0.25	<0.1	<0.1
10/7/2020	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
10/8/2020							<0.1		
10/9/2020								0.04 (J)	<0.1

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 1/7/2021 5:33 PM View: PL's Interwell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-308	MW-300
2/29/2016		
3/1/2016		
3/3/2016	0.11	0.041 (J)
5/2/2016		
5/3/2016		
5/4/2016	0.07 (J)	<0.1
7/5/2016		
7/6/2016	0.07 (J)	
7/7/2016		<0.1
7/8/2016		
9/6/2016		
9/7/2016	0.06 (J)	<0.1
9/8/2016		
11/7/2016		
11/8/2016	0.06 (J)	<0.1
11/10/2016		
1/9/2017		
1/10/2017	0.04 (J)	<0.1
1/11/2017		
3/13/2017		
3/14/2017		
3/15/2017		<0.1
3/16/2017	0.06 (J)	
5/15/2017		
5/16/2017	0.09 (J)	<0.1
5/18/2017		
10/2/2017		
10/3/2017	0.13	<0.1
10/5/2017		
12/20/2017	0.1	
3/12/2018		
3/13/2018	0.1	<0.1
3/14/2018		
6/5/2018		
6/6/2018		<0.1
6/7/2018	0.14	
6/10/2018		
10/16/2018		
10/17/2018	0.14	
10/18/2018		<0.1
2/27/2019	0.16	
2/28/2019		<0.1
5/31/2019	0.2	<0.1
11/6/2019		
11/11/2019	0.16	<0.1
4/16/2020		
4/18/2020	0.17	<0.1
10/7/2020		
10/8/2020	0.07 (J)	
10/9/2020		<0.1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 1/7/2021 5:33 PM View: PL's Interwell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-307 (bg)	MW-306 (bg)	MW-300	MW-304	MW-305
2/29/2016	<5	1.6 (J)	<5	<5					
3/1/2016					<5	<5			
3/3/2016							<5	550	<5
5/2/2016	15 (o)	2.1 (J)	<5		<5				
5/3/2016						<5			
5/4/2016				<5			<5	520	<5
7/5/2016	<5	2 (J)	<5		<5	<5			
7/6/2016								510	
7/7/2016							<5		<5
7/8/2016				<5					
9/6/2016	<5	1.8 (J)	<5	<5	3.7 (J)	<5			
9/7/2016							<5	340	<5
9/8/2016									
11/7/2016	<5	1.7 (J)	<5		<5	<5			<5
11/8/2016							<5	630	
11/10/2016				<5					
1/9/2017	<5	1.5 (J)	2.6 (J)		<5	<5			
1/10/2017							<5	580	<5
1/11/2017				<5					
3/13/2017	2.5 (J)	2.2 (J)	<5		<5	<5			
3/14/2017				<5					
3/15/2017							<5 (*)	250	<5 (*)
3/16/2017									
5/15/2017	<5	1.9 (J)	<5		<5	<5			
5/16/2017							<5	410	<5
5/18/2017				<5 (X)					
10/2/2017	<5	3.4 (J)	<5		1.7 (J)	1.5 (J)			
10/3/2017							<5	440	<5
10/5/2017				<5					
12/20/2017								400	
3/12/2018	<5	2.6 (J)	<5		<5	<5			
3/13/2018							<5	460	1.5 (J)
3/14/2018				<5					
6/5/2018	<5	2.6 (J)	<5						
6/6/2018					<5	<5	<5		
6/7/2018								420	<5
6/10/2018				1.5 (J)					
10/16/2018	<5	2.8 (J)	<5						
10/17/2018					<5	<5		320	<5
10/18/2018				<5			<5		
2/27/2019	<5	2.4 (J)	<5	1.9 (J)	<5	<5			
2/28/2019							<5	490	2.6 (J)
5/31/2019	<5	3.3 (J)	<5	<5	<5	<5	<5	500	12
11/6/2019	<5	3.7 (J)	<5	<5	<5	<5			
11/11/2019							<5	340	5.5
4/16/2020	<5	1.7 (J)	<5	<5	<5	<5			
4/18/2020							<5	600	<5
10/7/2020	<5	4 (J)	<5	<5	<5	<5			
10/8/2020									
10/9/2020							<5	300	<5

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 1/7/2021 5:33 PM View: PL's Interwell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-308	MW-303
2/29/2016		
3/1/2016		
3/3/2016	230	180
5/2/2016		
5/3/2016		
5/4/2016	280	200
7/5/2016		
7/6/2016	270	150
7/7/2016		
7/8/2016		
9/6/2016		
9/7/2016	280	
9/8/2016		160
11/7/2016		
11/8/2016	280	230
11/10/2016		
1/9/2017		
1/10/2017	240	190
1/11/2017		
3/13/2017		
3/14/2017		
3/15/2017		
3/16/2017	220	190
5/15/2017		190
5/16/2017	200	
5/18/2017		
10/2/2017		
10/3/2017	180	130
10/5/2017		
12/20/2017	170	85
3/12/2018		
3/13/2018	210	160
3/14/2018		
6/5/2018		
6/6/2018		
6/7/2018	210	280
6/10/2018		
10/16/2018		
10/17/2018	140	250
10/18/2018		
2/27/2019	150	
2/28/2019		140
5/31/2019	210	140
11/6/2019		
11/11/2019	170	230
4/16/2020		
4/18/2020	120	260
10/7/2020		
10/8/2020	170	160
10/9/2020		

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 1/7/2021 5:33 PM View: PL's Interwell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-108 (bg)	MW-107 (bg)	MW-101 (bg)	MW-307 (bg)	MW-306 (bg)	MW-303	MW-304	MW-305
2/29/2016	20	12	<5	20					
3/1/2016					<5	10			
3/3/2016							420	1100	18
5/2/2016	<5	6	<5		36				
5/3/2016						<5			
5/4/2016				6			450	1200	38
7/5/2016	12	<5	14		<5	<5			
7/6/2016							280	870	
7/7/2016									<5
7/8/2016				6					
9/6/2016	36	38	30	36	44	36			
9/7/2016								650	14
9/8/2016							410		
11/7/2016	18	<5	8		30	<5			32
11/8/2016							580	1100	
11/10/2016				16					
1/9/2017	4 (J)	14	<5		12	<5			
1/10/2017							530	1300	32
1/11/2017				38					
3/13/2017	6	8	<5		20	22			
3/14/2017				<5					
3/15/2017								500	20
3/16/2017							650		
5/15/2017	<5	<5	<5		4 (J)	6	500		
5/16/2017								850	18
5/18/2017				10					
10/2/2017	<5	6	<5		24	16			
10/3/2017							310	760	36
10/5/2017				<5					
12/20/2017							150	830	
3/12/2018	18	<5	14		<5	<5			
3/13/2018							450	880	12
3/14/2018				8					
6/5/2018	10	14	<5						
6/6/2018					16	20			
6/7/2018							620	670	<5
6/10/2018				8					
10/16/2018	32	6	12						
10/17/2018					44	44	700	770	68
10/18/2018				28					
2/27/2019	110	110	54	68	28	20			
2/28/2019							330	880	28
5/31/2019	46	26	8	<5	18	32	300	1200	50
11/6/2019	<5	<5	4 (J)	10	20	24			
11/11/2019							390	370	38
4/16/2020	28	8	18	44	8	6			
4/18/2020							520	1000	36
10/7/2020	30	26	20	24	12	16			
10/8/2020							850		
10/9/2020								580	42

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 1/7/2021 5:33 PM View: PL's Interwell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-308	MW-300
2/29/2016		
3/1/2016		
3/3/2016	490	18
5/2/2016		
5/3/2016		
5/4/2016	690	28
7/5/2016		
7/6/2016	500	
7/7/2016		<5
7/8/2016		
9/6/2016		
9/7/2016	590	8
9/8/2016		
11/7/2016		
11/8/2016	530	24
11/10/2016		
1/9/2017		
1/10/2017	510	30
1/11/2017		
3/13/2017		
3/14/2017		
3/15/2017		32
3/16/2017	420	
5/15/2017		
5/16/2017	430	<5
5/18/2017		
10/2/2017		
10/3/2017	320	34
10/5/2017		
12/20/2017	410	
3/12/2018		
3/13/2018	590	26
3/14/2018		
6/5/2018		
6/6/2018		64
6/7/2018	530	
6/10/2018		
10/16/2018		
10/17/2018	390	
10/18/2018		12
2/27/2019	420	
2/28/2019		20
5/31/2019	620	36
11/6/2019		
11/11/2019	410	66
4/16/2020		
4/18/2020	280	62
10/7/2020		
10/8/2020	380	
10/9/2020		52

Appendix III Intrawell Prediction Limits - 300 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/7/2021, 5:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	**MW-304**	**6.401**	**4.549**	**10/9/2020**	**6.49**	**Yes**	**14**	**5.475**	**0.4141**	**0**	**None**	**No**	**0.000752**	**Param Intra 1 of 2**

Appendix III Intrawell Prediction Limits - 300 Series Wells - All Results

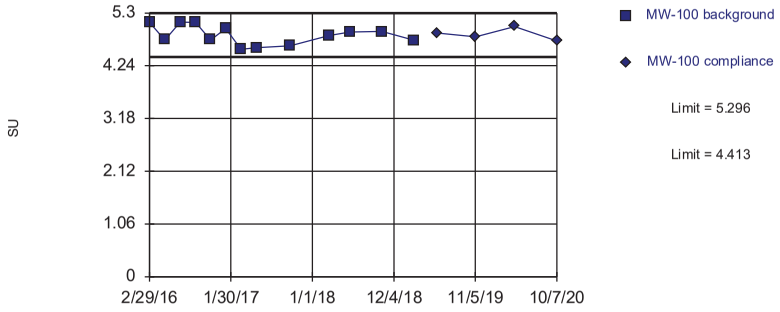
Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/7/2021, 5:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Field pH (SU)	MW-100	5.296	4.413	10/7/2020	4.74	No	13	4.855	0.1936	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-101	5.543	4.367	10/7/2020	5.08	No	13	4.955	0.258	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-107	5.461	4.357	10/7/2020	4.91	No	13	4.909	0.2421	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-108	5.218	4.328	10/7/2020	4.8	No	12	4.773	0.1917	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-306	5.478	4.584	10/7/2020	5.13	No	13	5.031	0.1961	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-307	6.609	4.991	10/7/2020	5.5	No	13	5.8	0.3549	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-300	5.229	4.305	10/9/2020	4.6	No	14	4.767	0.2067	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-303	7.152	5.968	10/8/2020	6.68	No	14	6.56	0.2649	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	**MW-304**	**6.401**	**4.549**	**10/9/2020**	**6.49**	**Yes**	**14**	**5.475**	**0.4141**	**0**	**None**	**No**	**0.000752**	**Param Intra 1 of 2**
Field pH (SU)	MW-305	5.367	4.441	10/9/2020	4.93	No	14	4.904	0.2071	0	None	No	0.000752	Param Intra 1 of 2
Field pH (SU)	MW-308	6.805	5.551	10/8/2020	5.78	No	14	6.178	0.2805	0	None	No	0.000752	Param Intra 1 of 2

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.855, Std. Dev.=0.1936, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9274, critical = 0.814. Kappa = 2.279 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 1/7/2021 5:26 PM View: PL's Intrawell 300 Series

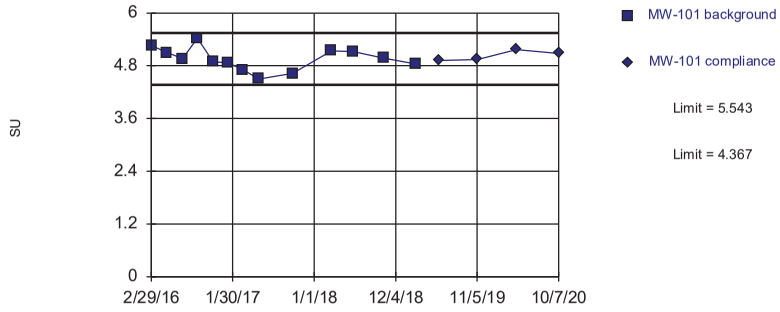
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.955, Std. Dev.=0.258, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9894, critical = 0.814. Kappa = 2.279 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 1/7/2021 5:26 PM View: PL's Intrawell 300 Series

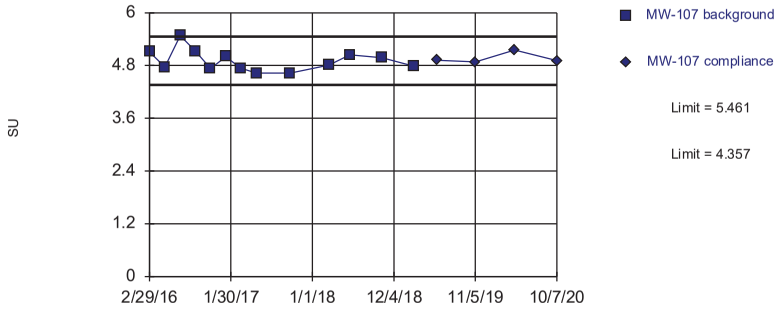
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.909, Std. Dev.=0.2421, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9038, critical = 0.814. Kappa = 2.279 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 1/7/2021 5:26 PM View: PL's Intrawell 300 Series

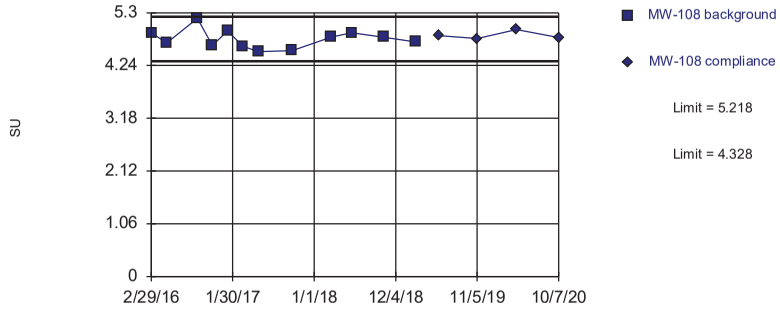
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.773, Std. Dev.=0.1917, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9468, critical = 0.805. Kappa = 2.322 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

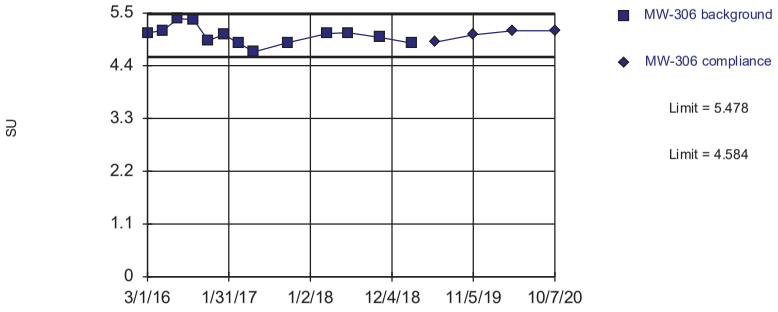
Constituent: Field pH Analysis Run 1/7/2021 5:26 PM View: PL's Intrawell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.031, Std. Dev.=0.1961, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9411, critical = 0.814. Kappa = 2.279 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 1/7/2021 5:26 PM View: PL's Intrawell 300 Series

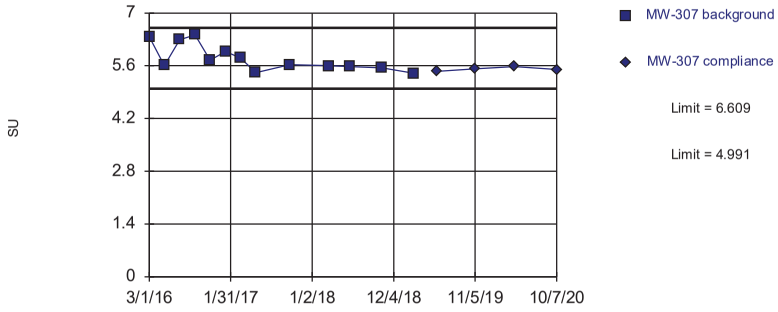
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.8, Std. Dev.=0.3549, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8636, critical = 0.814. Kappa = 2.279 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 1/7/2021 5:26 PM View: PL's Intrawell 300 Series

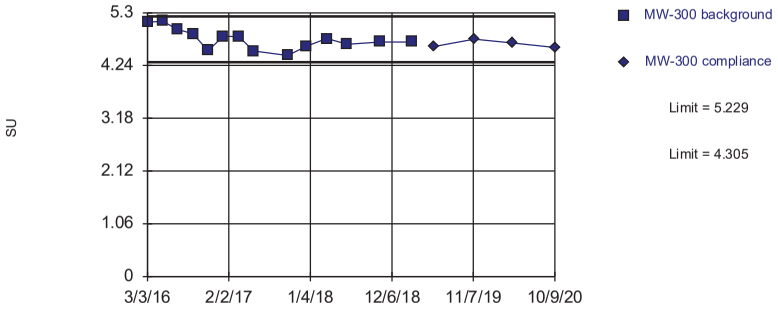
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.767, Std. Dev.=0.2067, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.966, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 1/7/2021 5:26 PM View: PL's Intrawell 300 Series

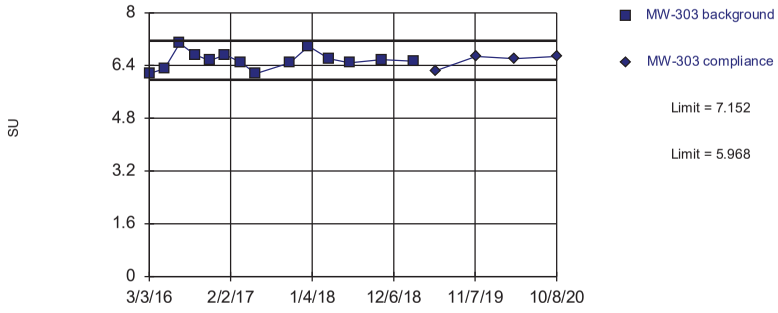
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.56, Std. Dev.=0.2649, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.943, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

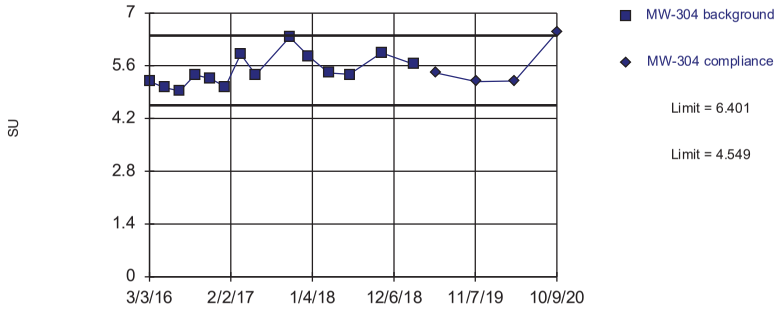
Constituent: Field pH Analysis Run 1/7/2021 5:26 PM View: PL's Intrawell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Exceeds Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.475, Std. Dev.=0.4141, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9337, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

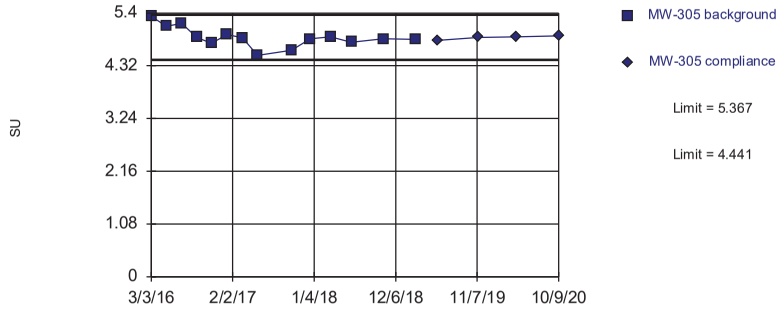
Constituent: Field pH Analysis Run 1/7/2021 5:26 PM View: PL's Intrawell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.904, Std. Dev.=0.2071, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.946, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

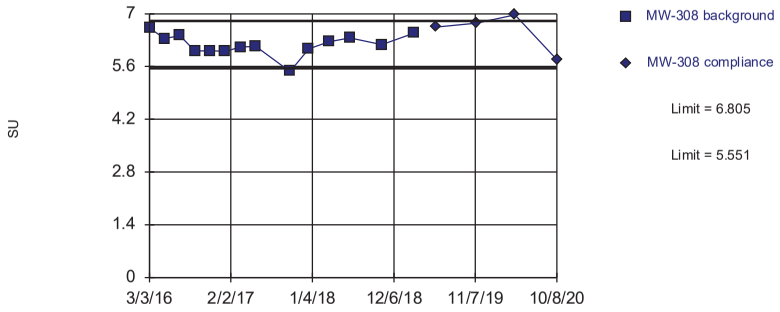
Constituent: Field pH Analysis Run 1/7/2021 5:26 PM View: PL's Intrawell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.178, Std. Dev.=0.2805, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9279, critical = 0.825. Kappa = 2.236 (c=7, w=5, 1 of 2, event alpha = 0.05132). Report alpha = 0.001504.

Constituent: Field pH Analysis Run 1/7/2021 5:26 PM View: PL's Intrawell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Prediction Limit

Constituent: Field pH (SU) Analysis Run 1/7/2021 5:30 PM View: PL's Intrawell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100	MW-100
2/29/2016	5.11	
5/2/2016	4.76	
7/5/2016	5.12	
9/6/2016	5.11	
11/7/2016	4.76	
1/9/2017	4.99	
3/13/2017	4.57	
5/15/2017	4.6	
10/2/2017	4.64	
3/12/2018	4.85	
6/5/2018	4.92	
10/16/2018	4.93	
2/27/2019	4.75	
5/31/2019		4.9
11/6/2019		4.82
4/16/2020		5.03
10/7/2020		4.74

Prediction Limit

Constituent: Field pH (SU) Analysis Run 1/7/2021 5:30 PM View: PL's Intrawell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-101	MW-101
2/29/2016	5.26	
5/4/2016	5.1	
7/8/2016	4.96	
9/6/2016	5.43	
11/10/2016	4.89	
1/11/2017	4.87	
3/14/2017	4.71	
5/18/2017	4.5	
10/5/2017	4.63	
3/14/2018	5.14	
6/10/2018	5.12	
10/18/2018	4.97	
2/27/2019	4.84	
5/31/2019		4.92
11/6/2019		4.94
4/16/2020		5.17
10/7/2020		5.08

Prediction Limit

Constituent: Field pH (SU) Analysis Run 1/7/2021 5:30 PM View: PL's Intrawell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-107	MW-107
2/29/2016	5.11	
5/2/2016	4.77	
7/5/2016	5.48	
9/6/2016	5.12	
11/7/2016	4.73	
1/9/2017	5	
3/13/2017	4.74	
5/15/2017	4.63	
10/2/2017	4.63	
3/12/2018	4.81	
6/5/2018	5.04	
10/16/2018	4.98	
2/27/2019	4.78	
5/31/2019		4.92
11/6/2019		4.88
4/16/2020		5.15
10/7/2020		4.91

Prediction Limit

Constituent: Field pH (SU) Analysis Run 1/7/2021 5:30 PM View: PL's Intrawell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-108	MW-108
2/29/2016	4.9	
5/2/2016	4.69	
7/5/2016	7.11 (o)	
9/6/2016	5.19	
11/7/2016	4.64	
1/9/2017	4.94	
3/13/2017	4.63	
5/15/2017	4.52	
10/2/2017	4.54	
3/12/2018	4.81	
6/5/2018	4.9	
10/16/2018	4.81	
2/27/2019	4.71	
5/31/2019		4.84
11/6/2019		4.78
4/16/2020		4.96
10/7/2020		4.8

Prediction Limit

Constituent: Field pH (SU) Analysis Run 1/7/2021 5:30 PM View: PL's Intrawell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306	MW-306
3/1/2016	5.08	
5/3/2016	5.14	
7/5/2016	5.38	
9/6/2016	5.37	
11/7/2016	4.92	
1/9/2017	5.05	
3/13/2017	4.87	
5/15/2017	4.69	
10/2/2017	4.88	
3/12/2018	5.07	
6/6/2018	5.09	
10/17/2018	4.99	
2/27/2019	4.87	
5/31/2019		4.89
11/6/2019		5.04
4/16/2020		5.13
10/7/2020		5.13

Prediction Limit

Constituent: Field pH (SU) Analysis Run 1/7/2021 5:30 PM View: PL's Intrawell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-307	MW-307
3/1/2016	6.37	
5/2/2016	5.605 (D)	
7/5/2016	6.29	
9/6/2016	6.42	
11/7/2016	5.75	
1/9/2017	5.98	
3/13/2017	5.81	
5/15/2017	5.42	
10/2/2017	5.63	
3/12/2018	5.6	
6/6/2018	5.58	
10/17/2018	5.54	
2/27/2019	5.4	
5/31/2019		5.45
11/6/2019		5.52
4/16/2020		5.58
10/7/2020		5.5

Prediction Limit

Constituent: Field pH (SU) Analysis Run 1/7/2021 5:30 PM View: PL's Intrawell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-300	MW-300
3/3/2016	5.11	
5/4/2016	5.13	
7/7/2016	4.96	
9/7/2016	4.88	
11/8/2016	4.54	
1/10/2017	4.83	
3/15/2017	4.82	
5/16/2017	4.53	
10/3/2017	4.44	
12/20/2017	4.63	
3/13/2018	4.78	
6/6/2018	4.67	
10/18/2018	4.71	
2/28/2019	4.71	
5/31/2019		4.62
11/11/2019		4.77
4/18/2020		4.69
10/9/2020		4.6

Prediction Limit

Constituent: Field pH (SU) Analysis Run 1/7/2021 5:30 PM View: PL's Intrawell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-303	MW-303
3/3/2016	6.16	
5/4/2016	6.3	
7/6/2016	7.07	
9/8/2016	6.72	
11/8/2016	6.55	
1/10/2017	6.72	
3/16/2017	6.5	
5/15/2017	6.15	
10/3/2017	6.48	
12/20/2017	6.99 (R)	
3/13/2018	6.61	
6/7/2018	6.48	
10/17/2018	6.58	
2/28/2019	6.53	
5/31/2019		6.25
11/11/2019		6.68
4/18/2020		6.61
10/8/2020		6.68

Prediction Limit

Constituent: Field pH (SU) Analysis Run 1/7/2021 5:30 PM View: PL's Intrawell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-304	MW-304
3/3/2016	5.185 (D)	
5/4/2016	5.02 (D)	
7/6/2016	4.93	
9/7/2016	5.36	
11/8/2016	5.26	
1/10/2017	5.04	
3/15/2017	5.91	
5/16/2017	5.36	
10/3/2017	6.36	
12/20/2017	5.86	
3/13/2018	5.41	
6/7/2018	5.37	
10/17/2018	5.94	
2/28/2019	5.64	
5/31/2019		5.41
11/11/2019		5.18
4/18/2020		5.2
10/9/2020		6.49

Prediction Limit

Constituent: Field pH (SU) Analysis Run 1/7/2021 5:30 PM View: PL's Intrawell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-305
3/3/2016	5.33	
5/4/2016	5.13	
7/7/2016	5.19	
9/7/2016	4.9	
11/7/2016	4.78	
1/10/2017	4.96	
3/15/2017	4.89	
5/16/2017	4.53	
10/3/2017	4.64	
12/20/2017	4.87	
3/13/2018	4.91	
6/7/2018	4.8	
10/17/2018	4.87	
2/28/2019	4.86	
5/31/2019		4.84
11/11/2019		4.9
4/18/2020		4.91
10/9/2020		4.93

Prediction Limit

Constituent: Field pH (SU) Analysis Run 1/7/2021 5:30 PM View: PL's Intrawell 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-308	MW-308
3/3/2016	6.62 (D)	
5/4/2016	6.345 (D)	
7/6/2016	6.42	
9/7/2016	6.01	
11/8/2016	6.02	
1/10/2017	6	
3/16/2017	6.12	
5/16/2017	6.13	
10/3/2017	5.47	
12/20/2017	6.07 (R)	
3/13/2018	6.26	
6/7/2018	6.36	
10/17/2018	6.18	
2/27/2019	6.49	
5/31/2019		6.65
11/11/2019		6.75
4/18/2020		6.97
10/8/2020		5.78

Trend Tests - 100, 200 & 300 Series

100 Series

Appendix III Trend Test Summary - 100 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/7/2021, 5:09 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**MW-109**	**0.06879**	**69**	**63**	**Yes**	**17**	**23.53**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-103**	**-0.2642**	**-71**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-307 (bg)**	**-0.1486**	**-93**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-109**	**0.4966**	**91**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-100 (bg)**	**0.3582**	**68**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-103**	**2.386**	**105**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-109**	**1.672**	**84**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	**MW-307 (bg)**	**-0.1302**	**-81**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-108 (bg)**	**0.4349**	**66**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Test Summary - 100 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/7/2021, 5:09 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	MW-100 (bg)	0	-25	-63	No	17	88.24	n/a	n/a	0.01	NP
Boron (mg/L)	MW-101 (bg)	0	-19	-63	No	17	82.35	n/a	n/a	0.01	NP
Boron (mg/L)	MW-103	-0.0156	-23	-68	No	18	16.67	n/a	n/a	0.01	NP
Boron (mg/L)	MW-104	0.3887	33	68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	MW-105	0.1058	38	68	No	18	11.11	n/a	n/a	0.01	NP
Boron (mg/L)	MW-107 (bg)	0	-27	-63	No	17	88.24	n/a	n/a	0.01	NP
Boron (mg/L)	MW-108 (bg)	0	-25	-63	No	17	76.47	n/a	n/a	0.01	NP
Boron (mg/L)	MW-306 (bg)	0	-27	-63	No	17	88.24	n/a	n/a	0.01	NP
Boron (mg/L)	MW-307 (bg)	0	-27	-63	No	17	88.24	n/a	n/a	0.01	NP
Boron (mg/L)	**MW-109**	**0.06879**	**69**	**63**	**Yes**	**17**	**23.53**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	MW-110	0.3257	63	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-100 (bg)	0.03825	45	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-101 (bg)	-0.01915	-34	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-103**	**-0.2642**	**-71**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-104	2.759	47	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-105	0.7929	11	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-107 (bg)	-0.03081	-42	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-108 (bg)	0.05435	42	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-306 (bg)	0	-1	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-307 (bg)**	**-0.1486**	**-93**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-109**	**0.4966**	**91**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-110	2.38	38	68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-100 (bg)**	**0.3582**	**68**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-101 (bg)	0.1902	51	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-103**	**2.386**	**105**	**68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-104	0	-1	-68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-105	4.451	17	68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-107 (bg)	-0.05999	-20	-63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-108 (bg)	-0.2346	-60	-63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-306 (bg)	0.2214	60	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-307 (bg)	0.1289	41	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-109**	**1.672**	**84**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-110	6.271	19	68	No	18	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-100 (bg)	-0.02297	-20	-63	No	17	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-101 (bg)	-0.01946	-10	-63	No	17	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-104	0.01959	29	68	No	18	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-107 (bg)	-0.009346	-3	-63	No	17	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-108 (bg)	0.0066	4	58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-306 (bg)	-0.01128	-14	-63	No	17	0	n/a	n/a	0.01	NP
Field pH (SU)	**MW-307 (bg)**	**-0.1302**	**-81**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	MW-100 (bg)	0	0	63	No	17	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-101 (bg)	0	2	63	No	17	94.12	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-103	0	31	63	No	17	88.24	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-104	-0.02672	-49	-68	No	18	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-107 (bg)	0	0	63	No	17	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-108 (bg)	0	0	63	No	17	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-306 (bg)	0	0	63	No	17	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-307 (bg)	0	16	63	No	17	94.12	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-100 (bg)	0	5	58	No	16	93.75	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-101 (bg)	0	-11	-63	No	17	88.24	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-103	-1.337	-35	-68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-104	33.21	20	68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-105	2.456	17	68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-107 (bg)	0	6	63	No	17	94.12	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-108 (bg)**	**0.4349**	**66**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Test Summary - 100 Series Wells - All Results

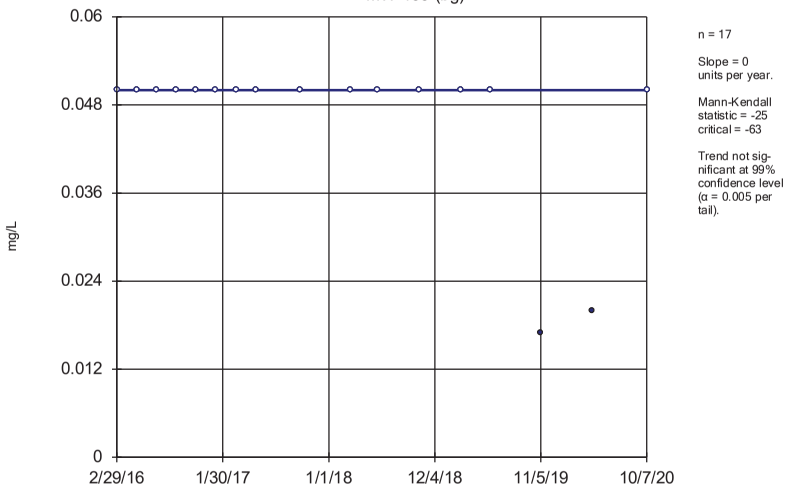
Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/7/2021, 5:09 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Sulfate (mg/L)	MW-306 (bg)	0	0	63	No	17	94.12	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-307 (bg)	0	9	63	No	17	88.24	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-109	-0.529	-21	-68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-110	18.62	60	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-100 (bg)	3.611	29	63	No	17	23.53	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-101 (bg)	1.195	18	63	No	17	17.65	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-103	4.004	11	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-104	-32.27	-10	-68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-105	4.913	7	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-107 (bg)	0.4612	23	63	No	17	41.18	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-108 (bg)	0.4717	18	63	No	17	29.41	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-306 (bg)	2.695	37	63	No	17	29.41	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-307 (bg)	-0.4148	-6	-63	No	17	17.65	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-110	40.29	44	68	No	18	0	n/a	n/a	0.01	NP

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -25
critical = -63

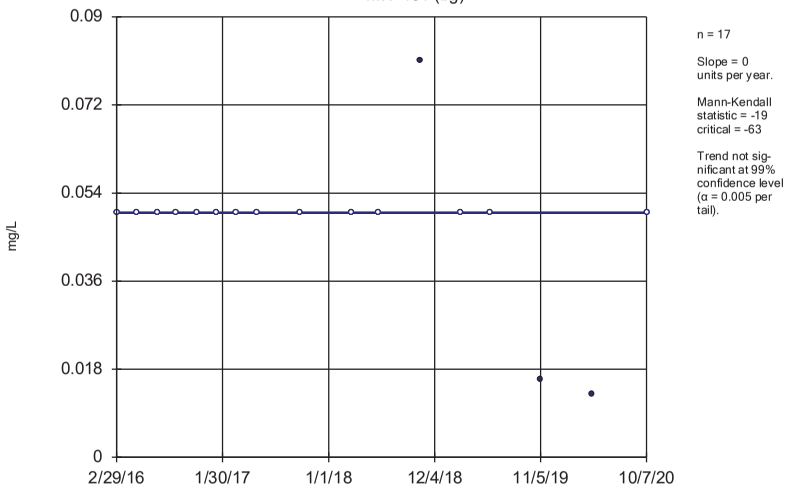
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -19
critical = -63

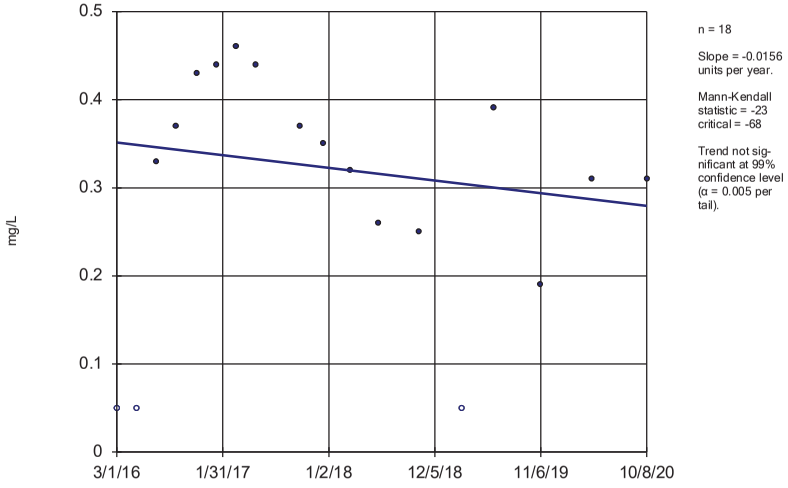
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-103



n = 18

Slope = -0.0156 units per year.

Mann-Kendall statistic = -23
critical = -68

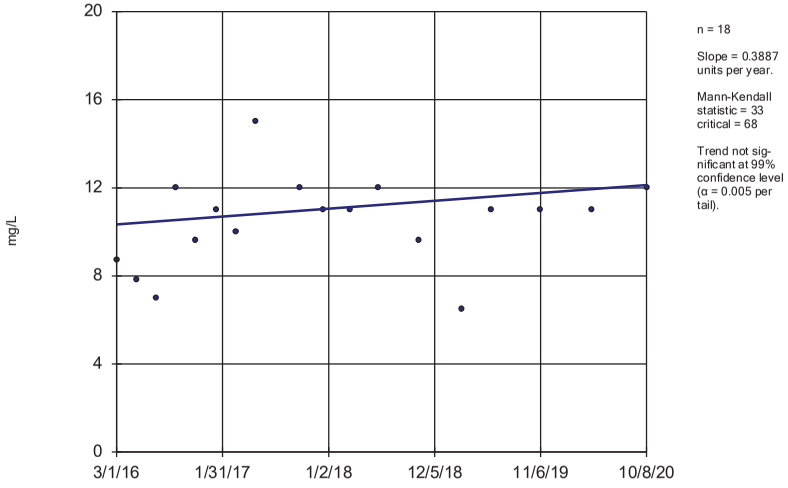
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-104



n = 18

Slope = 0.3887 units per year.

Mann-Kendall statistic = 33
critical = 68

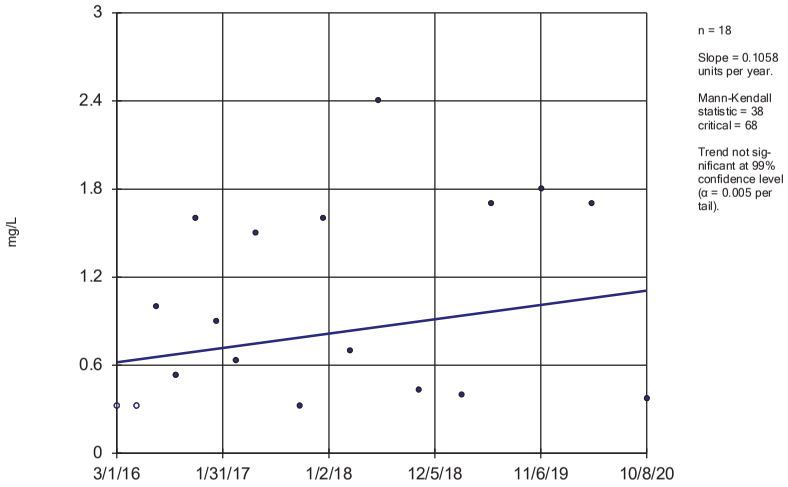
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-105



n = 18

Slope = 0.1058 units per year.

Mann-Kendall statistic = 38
critical = 68

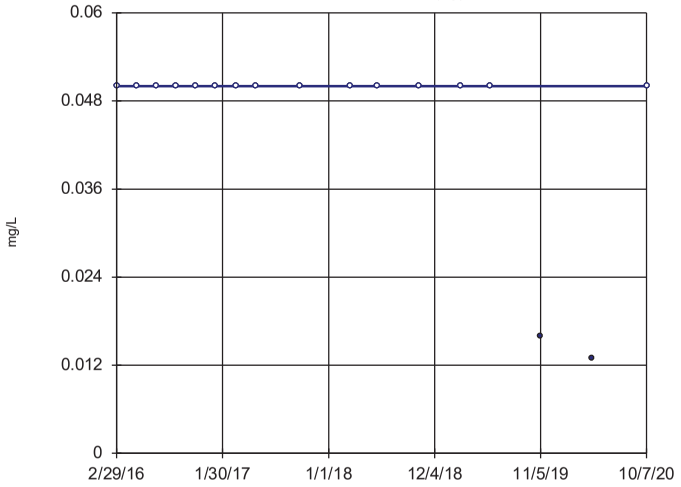
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -27
critical = -63

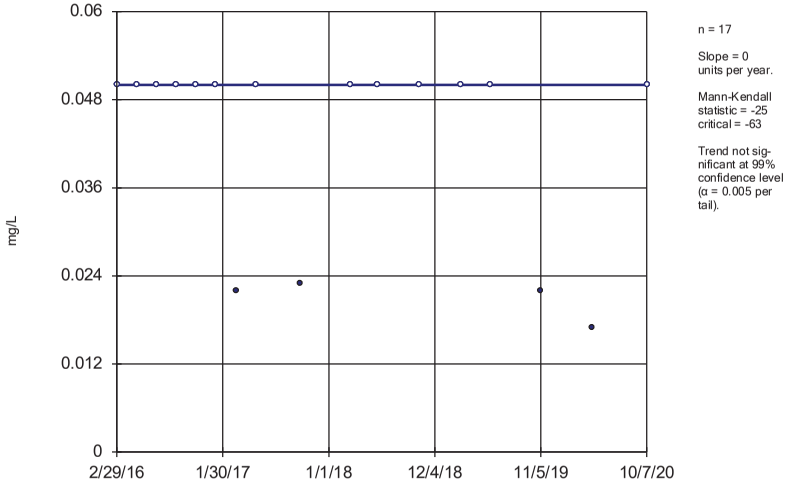
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -25
critical = -63

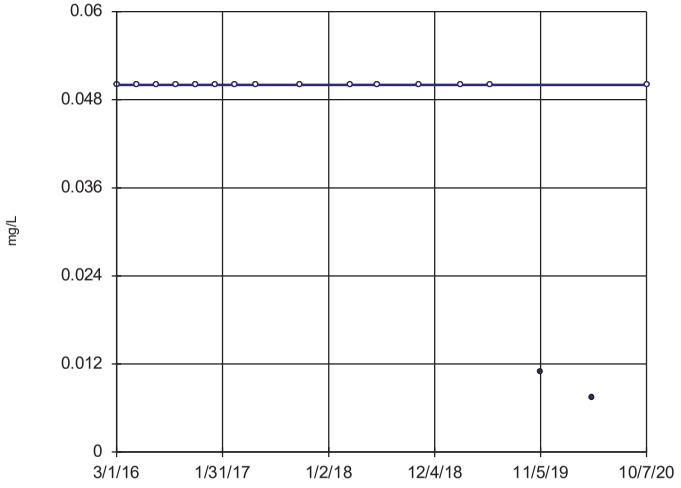
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -27
critical = -63

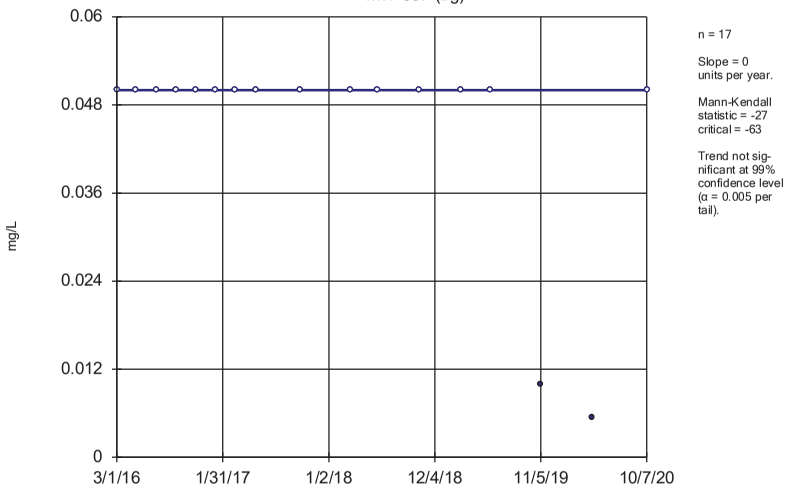
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -27
critical = -63

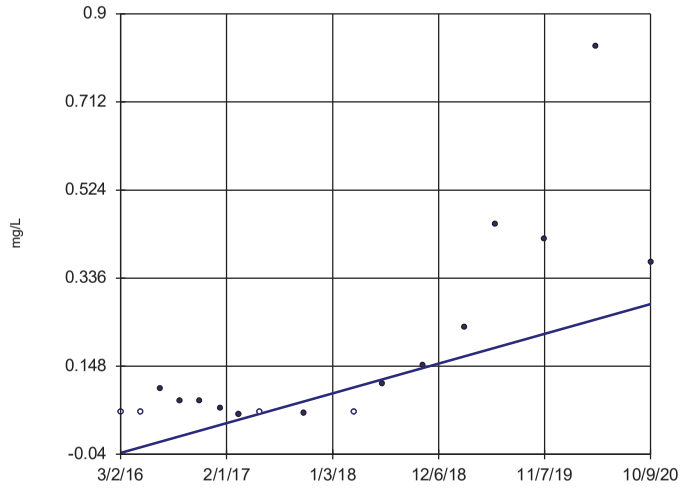
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-109



n = 17

Slope = 0.06879 units per year.

Mann-Kendall statistic = 69
critical = 63

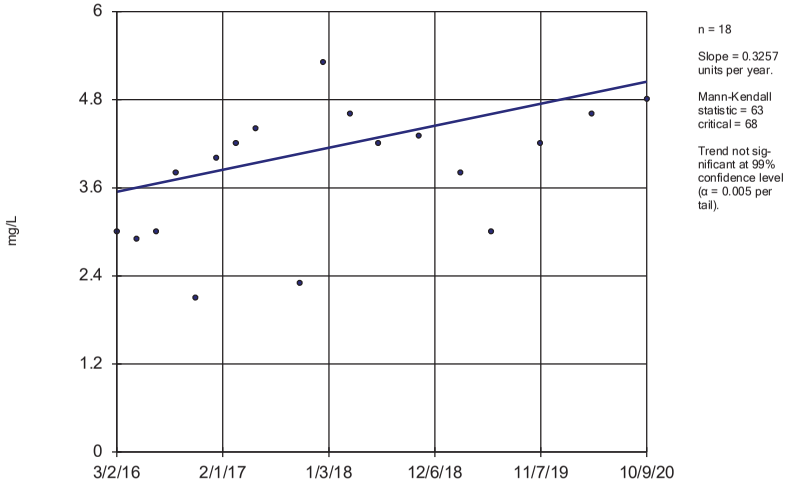
Increasing trend signficant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-110



n = 18

Slope = 0.3257 units per year.

Mann-Kendall statistic = 63
critical = 68

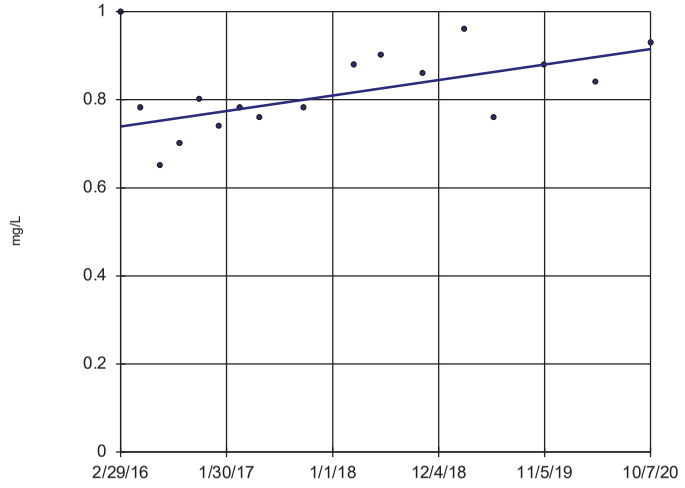
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-100 (bg)



n = 17

Slope = 0.03825 units per year.

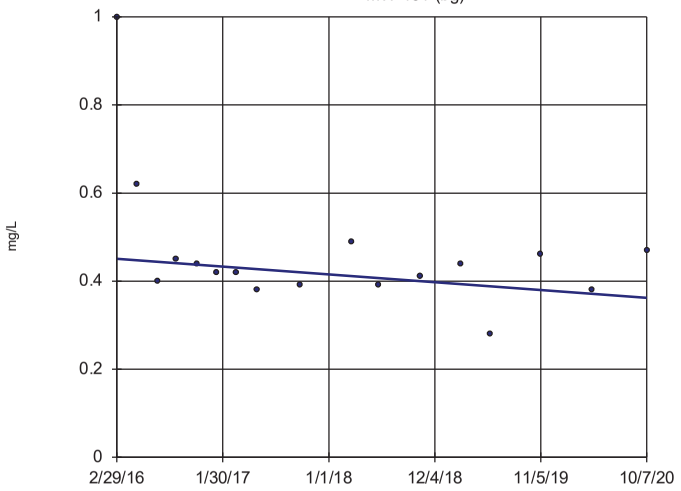
Mann-Kendall statistic = 45
critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-101 (bg)



n = 17

Slope = -0.01915 units per year.

Mann-Kendall statistic = -34
critical = -63

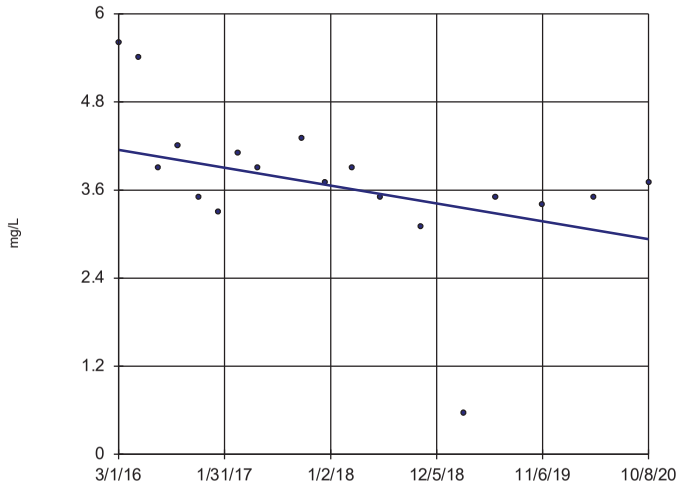
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-103



n = 18

Slope = -0.2642 units per year.

Mann-Kendall statistic = -71
critical = -68

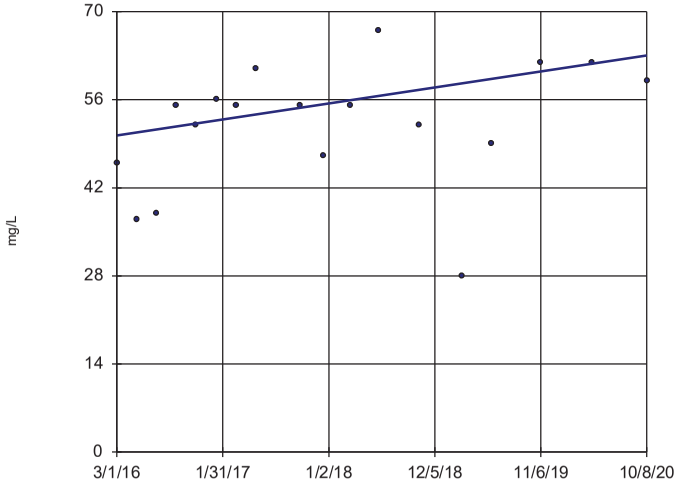
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-104



n = 18

Slope = 2.759 units per year.

Mann-Kendall statistic = 47
critical = 68

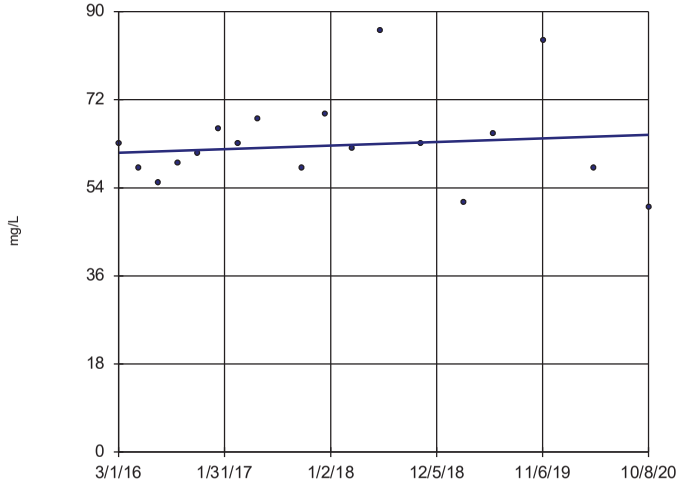
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-105



n = 18

Slope = 0.7929 units per year.

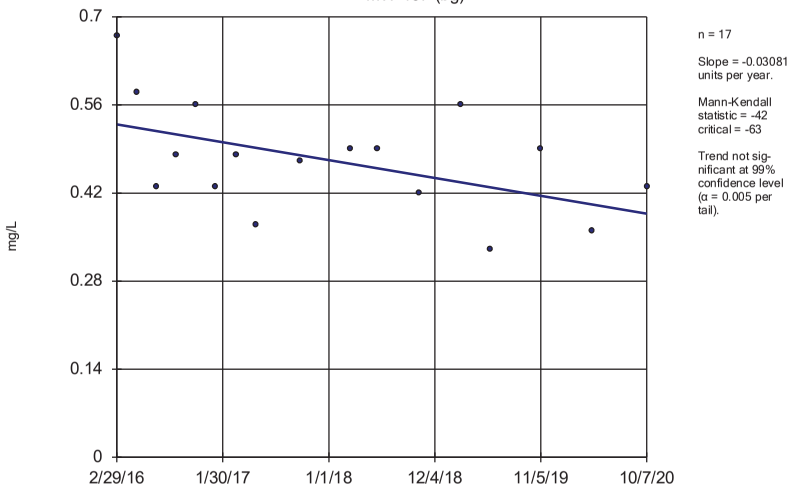
Mann-Kendall statistic = 11
critical = 68

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-107 (bg)



n = 17

Slope = -0.03081 units per year.

Mann-Kendall statistic = -42
critical = -63

Trend not significant at 99% confidence level (α = 0.005 per tail).

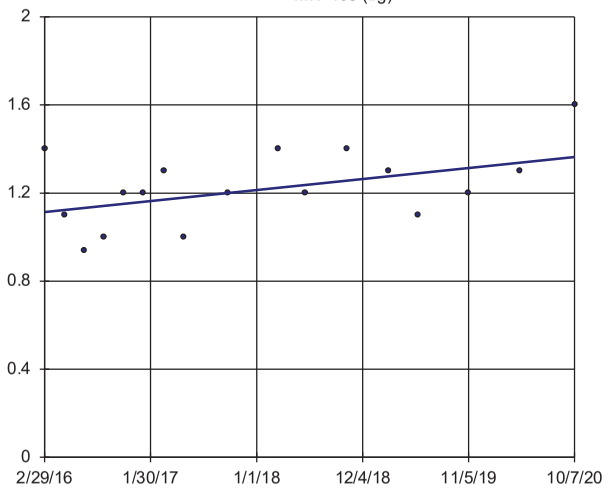
Constituent: Calcium Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-108 (bg)



n = 17

Slope = 0.05435 units per year.

Mann-Kendall statistic = 42
critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

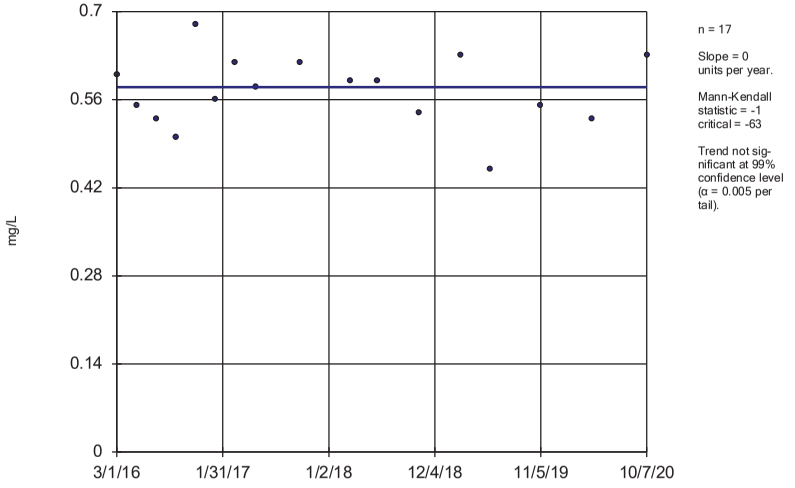
Constituent: Calcium Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-306 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -1
critical = -63

Trend not significant at 99% confidence level (α = 0.005 per tail).

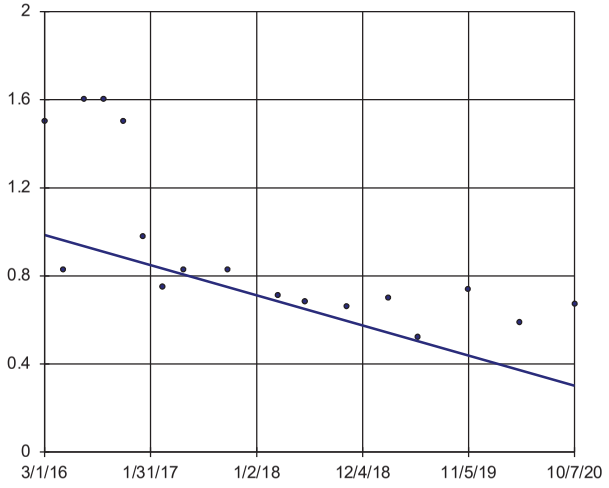
Constituent: Calcium Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-307 (bg)



n = 17

Slope = -0.1486 units per year.

Mann-Kendall statistic = -93
critical = -63

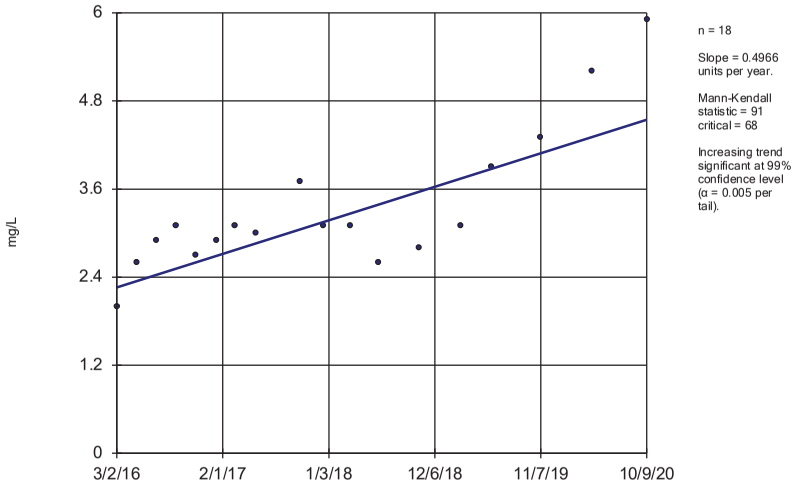
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-109



n = 18

Slope = 0.4966 units per year.

Mann-Kendall statistic = 91
critical = 68

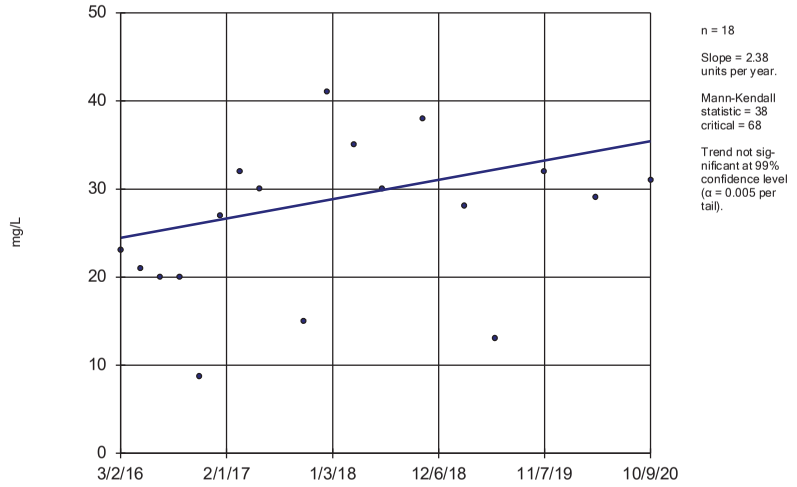
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-110



n = 18

Slope = 2.38 units per year.

Mann-Kendall statistic = 38
critical = 68

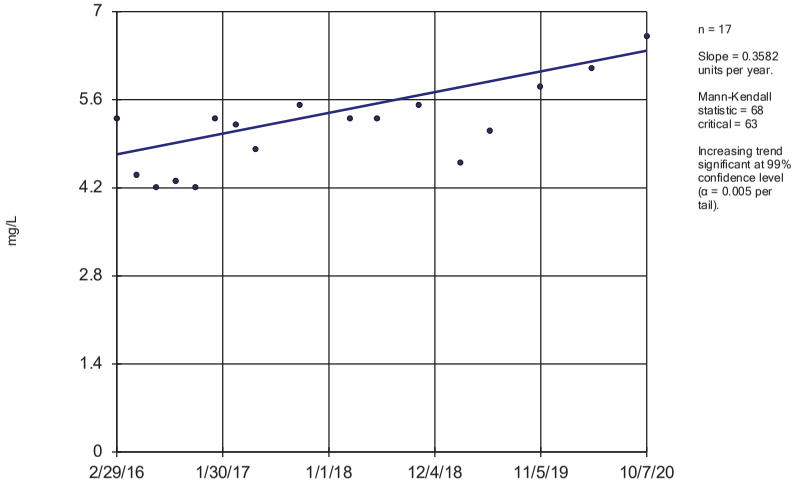
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-100 (bg)



n = 17

Slope = 0.3582 units per year.

Mann-Kendall statistic = 68
critical = 63

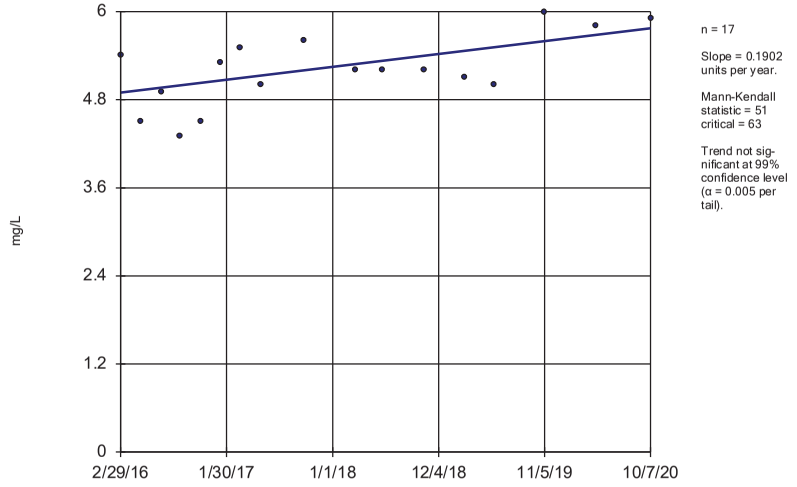
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-101 (bg)



n = 17

Slope = 0.1902 units per year.

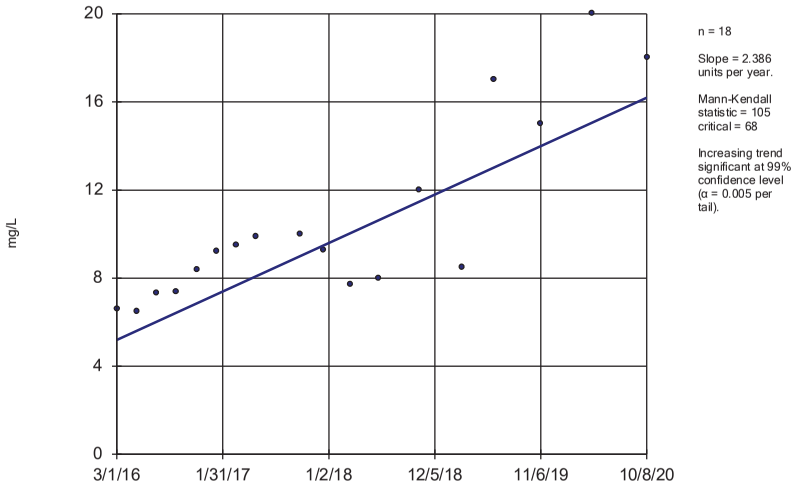
Mann-Kendall statistic = 51
critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-103



n = 18

Slope = 2.386 units per year.

Mann-Kendall statistic = 105
critical = 68

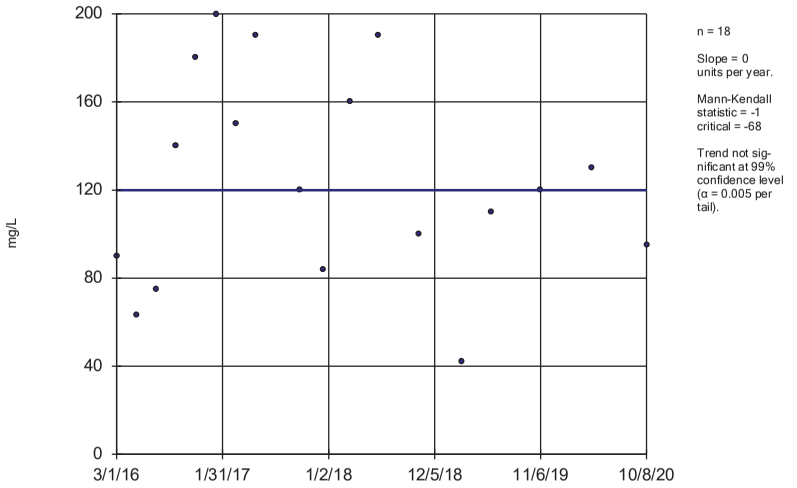
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-104



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = -1
critical = -68

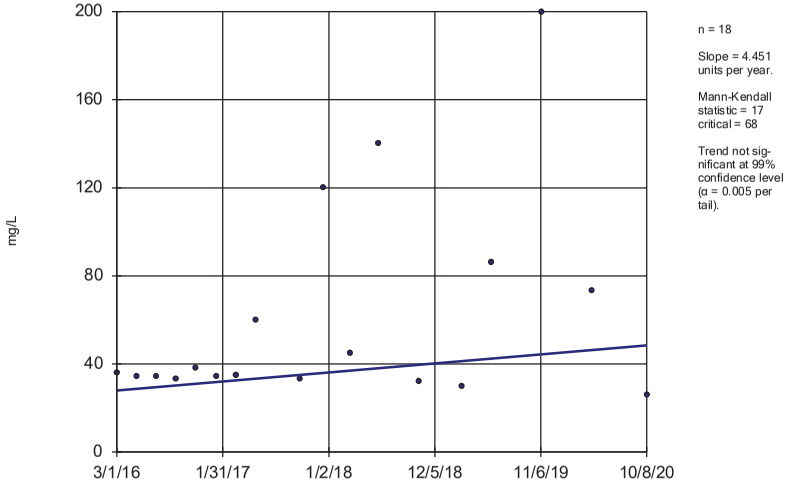
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-105



n = 18

Slope = 4.451 units per year.

Mann-Kendall statistic = 17
critical = 68

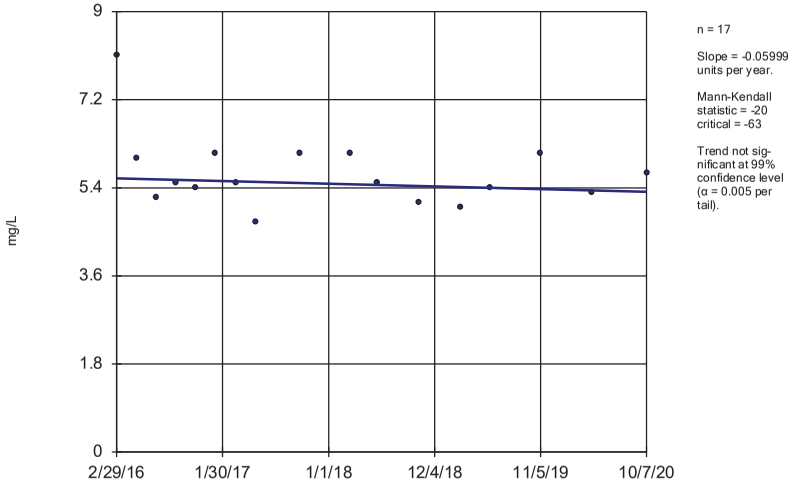
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-107 (bg)



n = 17

Slope = -0.05999 units per year.

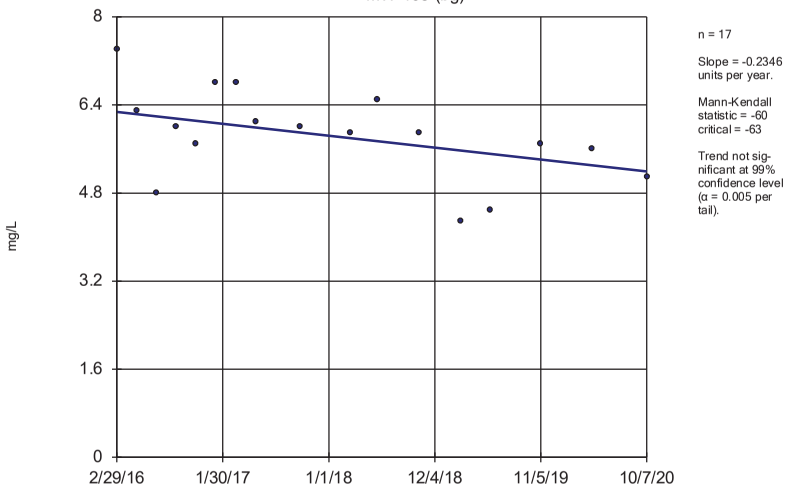
Mann-Kendall statistic = -20
critical = -63

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-108 (bg)



n = 17

Slope = -0.2346 units per year.

Mann-Kendall statistic = -60
critical = -63

Trend not significant at 99% confidence level (α = 0.005 per tail).

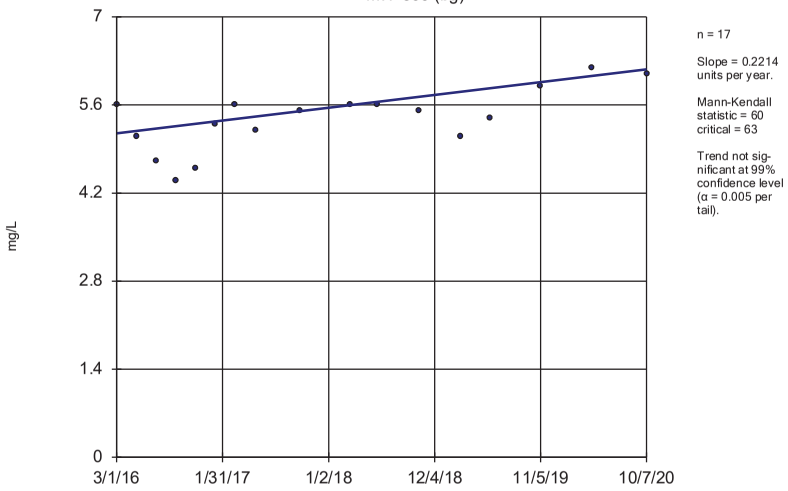
Constituent: Chloride Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-306 (bg)



n = 17

Slope = 0.2214 units per year.

Mann-Kendall statistic = 60
critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

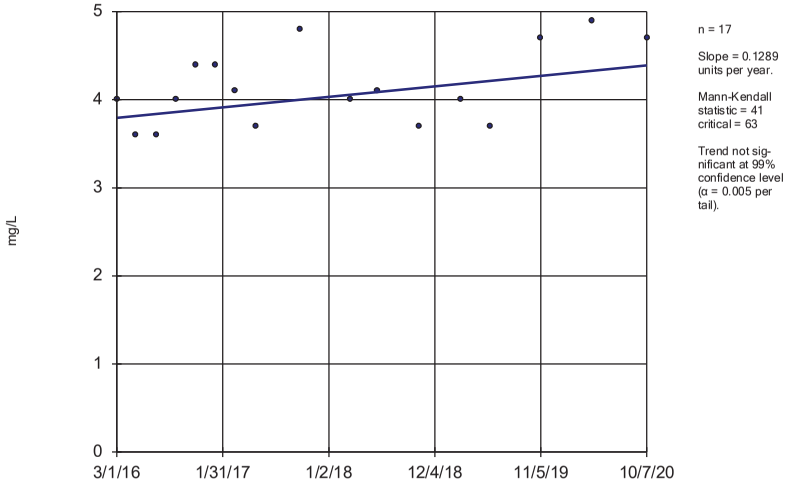
Constituent: Chloride Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-307 (bg)



n = 17

Slope = 0.1289 units per year.

Mann-Kendall statistic = 41
critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

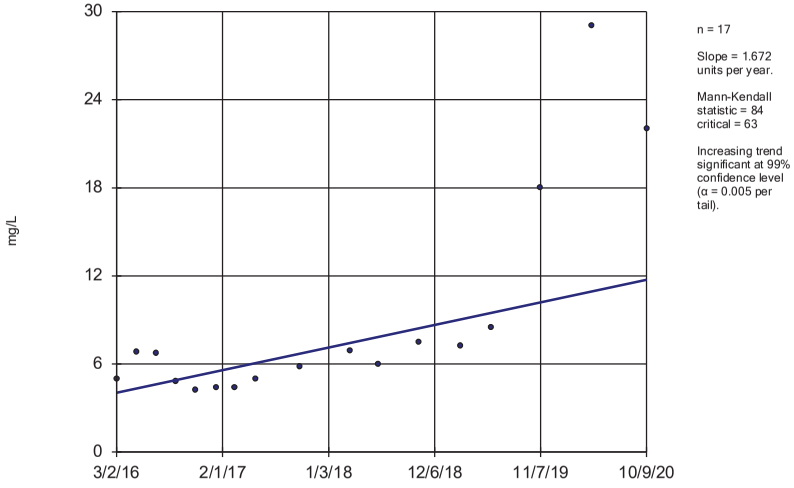
Constituent: Chloride Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-109



n = 17

Slope = 1.672 units per year.

Mann-Kendall statistic = 84
critical = 63

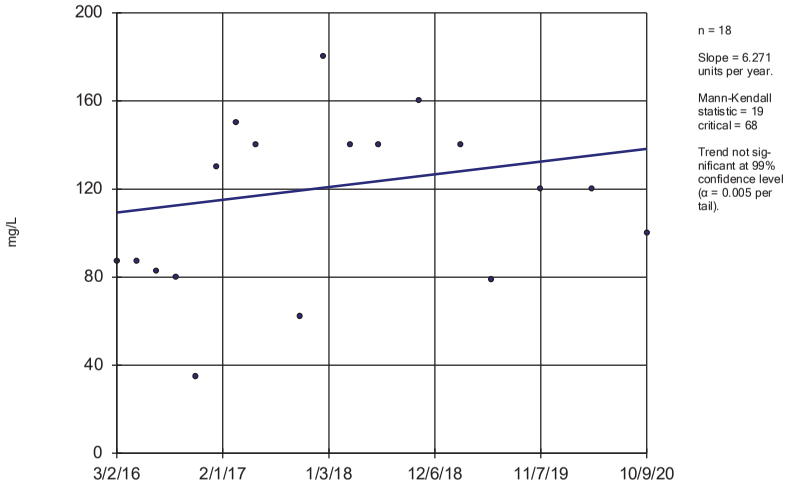
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-110



n = 18

Slope = 6.271 units per year.

Mann-Kendall statistic = 19
critical = 68

Trend not significant at 99% confidence level (α = 0.005 per tail).

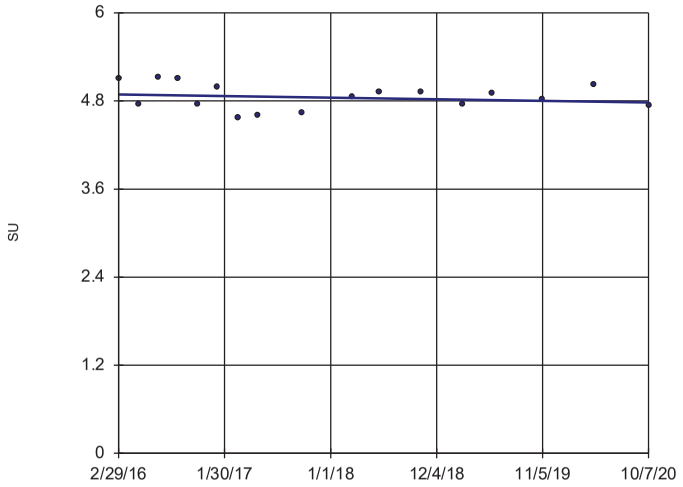
Constituent: Chloride Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-100 (bg)



n = 17

Slope = -0.02297 units per year.

Mann-Kendall statistic = -20
critical = -63

Trend not significant at 99% confidence level (α = 0.005 per tail).

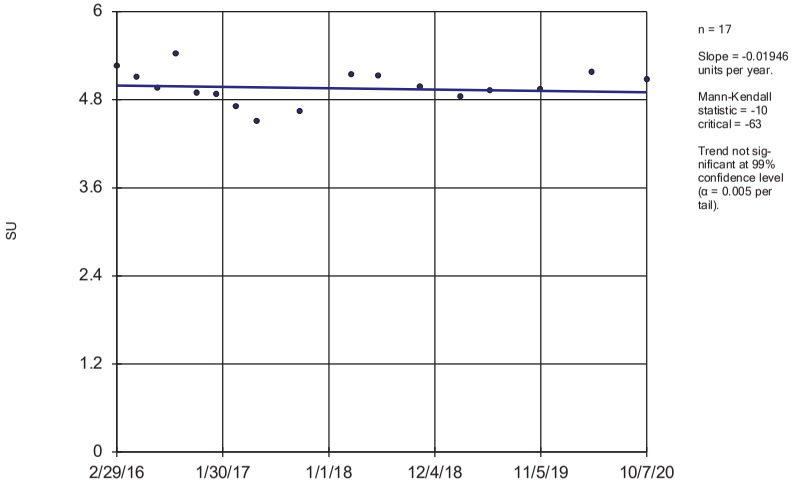
Constituent: Field pH Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-101 (bg)



n = 17

Slope = -0.01946 units per year.

Mann-Kendall statistic = -10
critical = -63

Trend not significant at 99% confidence level (α = 0.005 per tail).

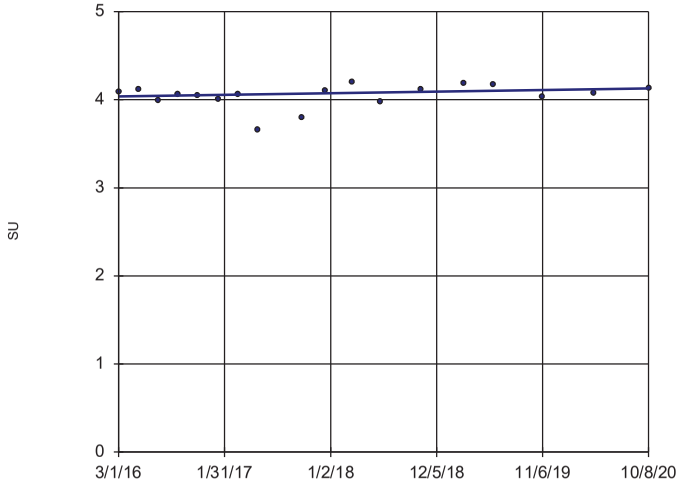
Constituent: Field pH Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-104



n = 18

Slope = 0.01959 units per year.

Mann-Kendall statistic = 29
critical = 68

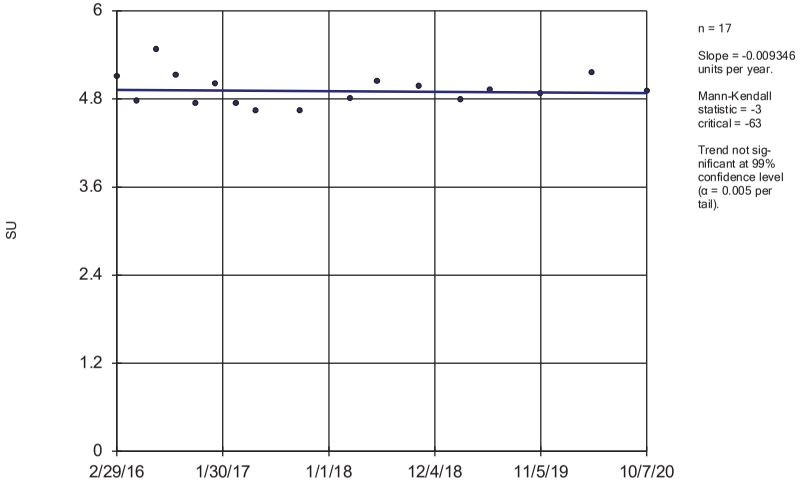
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-107 (bg)



n = 17

Slope = -0.009346 units per year.

Mann-Kendall statistic = -3
critical = -63

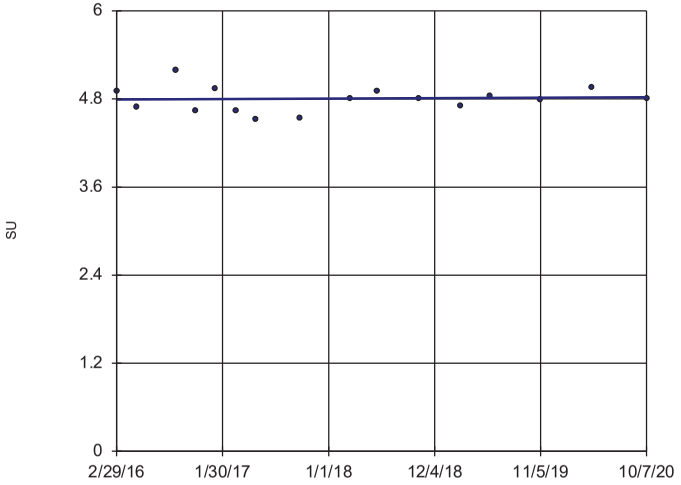
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-108 (bg)



n = 16

Slope = 0.0066 units per year.

Mann-Kendall statistic = 4
critical = 58

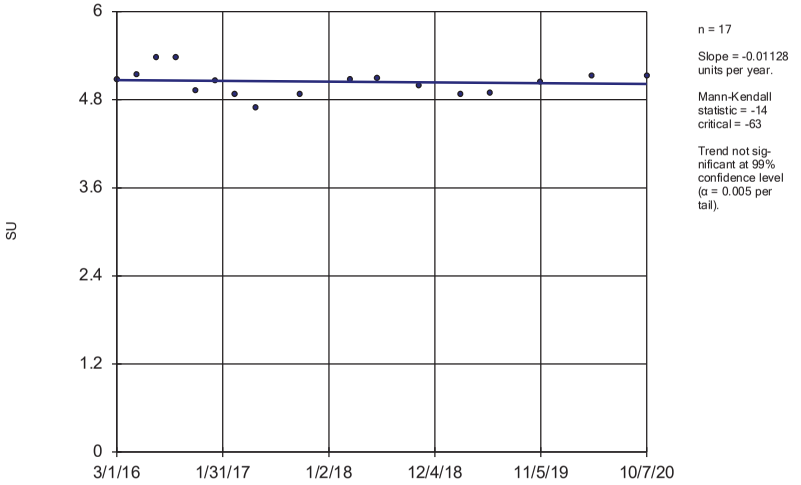
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-306 (bg)



n = 17

Slope = -0.01128 units per year.

Mann-Kendall statistic = -14
critical = -63

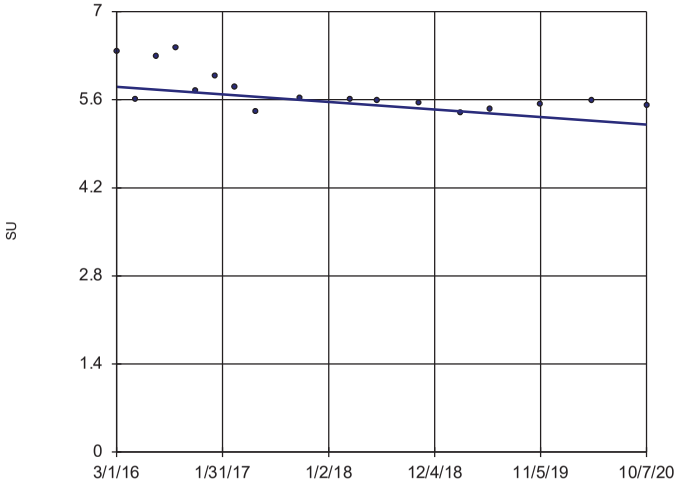
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-307 (bg)



n = 17

Slope = -0.1302 units per year.

Mann-Kendall statistic = -81
critical = -63

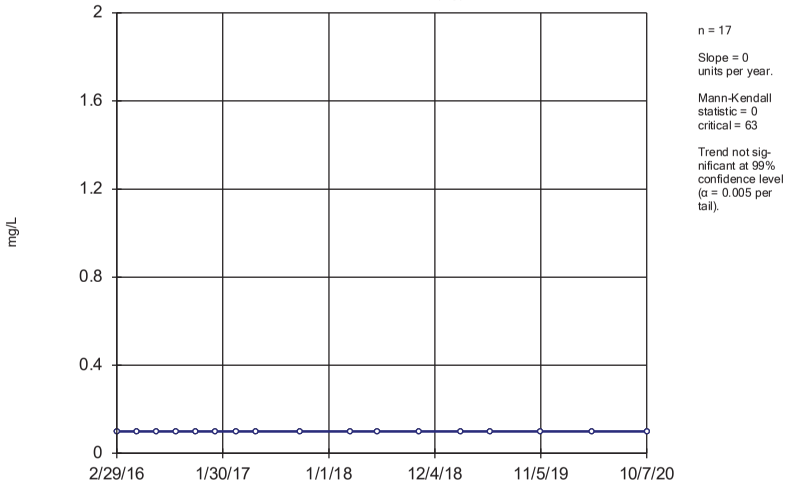
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 63

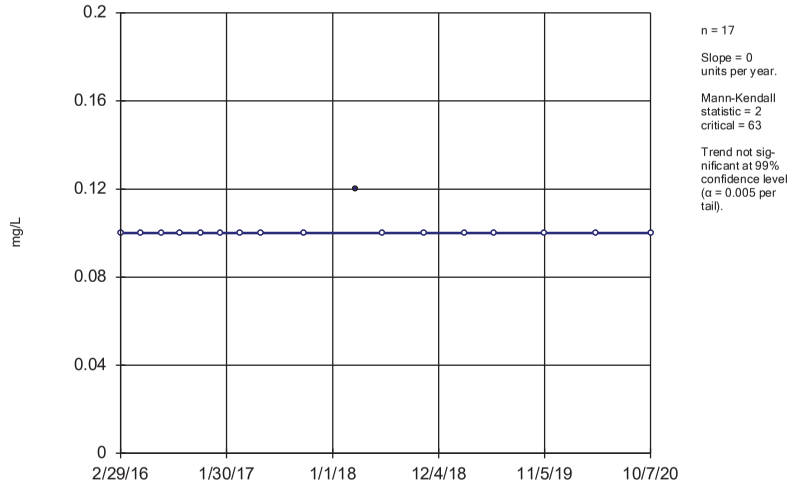
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = 2
critical = 63

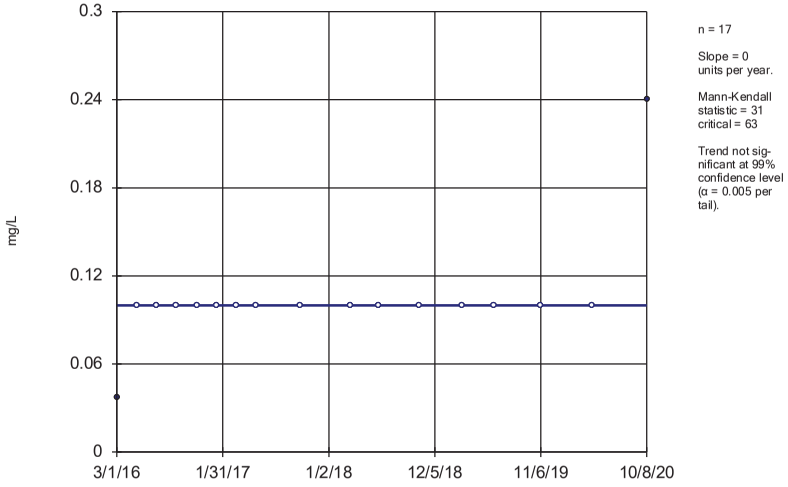
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-103



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = 31
critical = 63

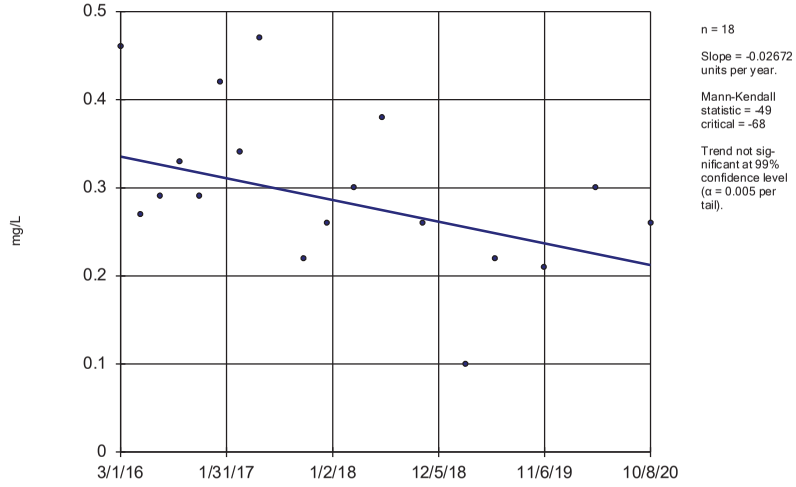
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-104



n = 18

Slope = -0.02672 units per year.

Mann-Kendall statistic = -49
critical = -68

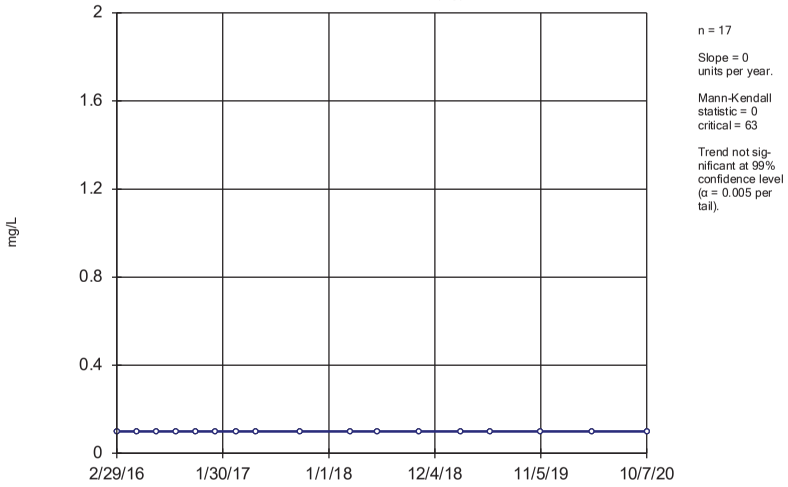
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 63

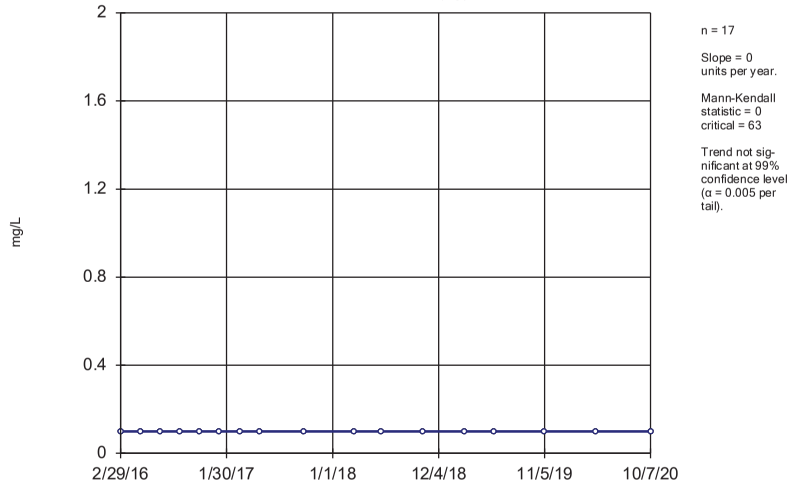
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 63

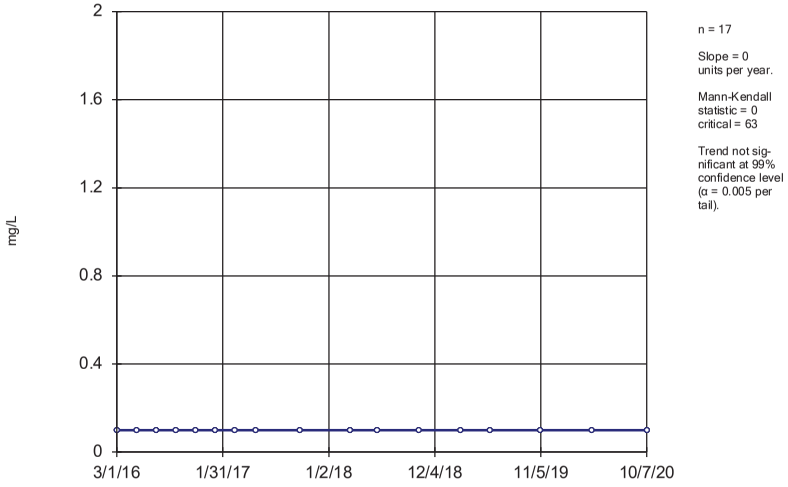
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 63

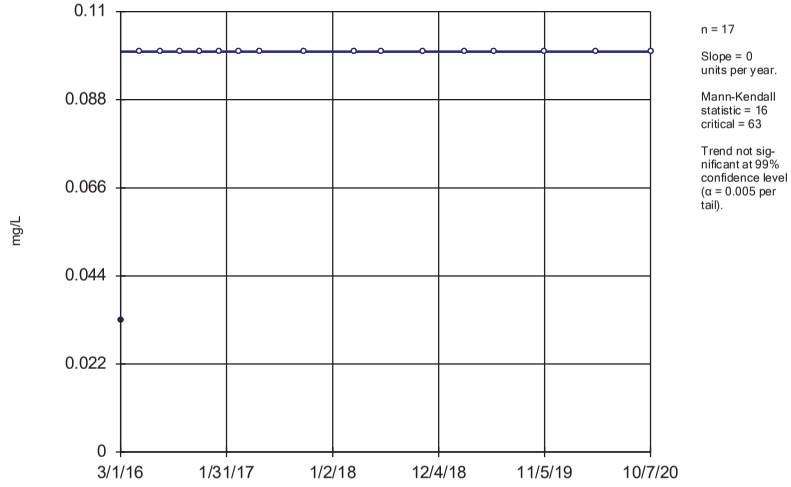
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = 16
critical = 63

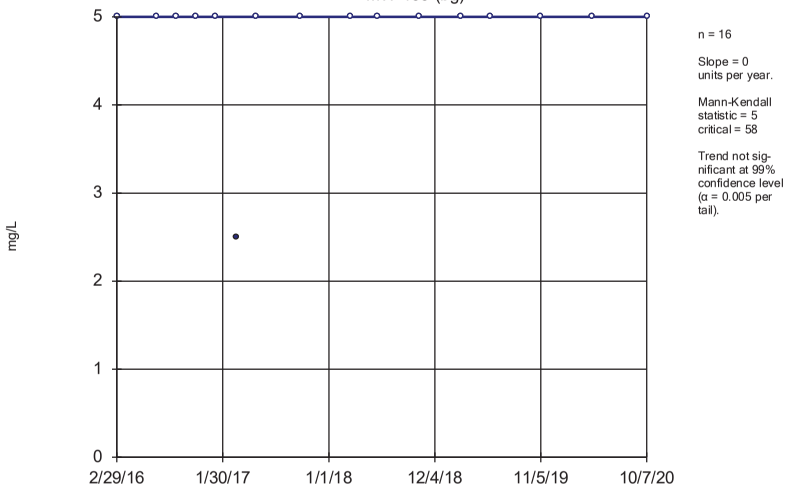
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 5
critical = 58

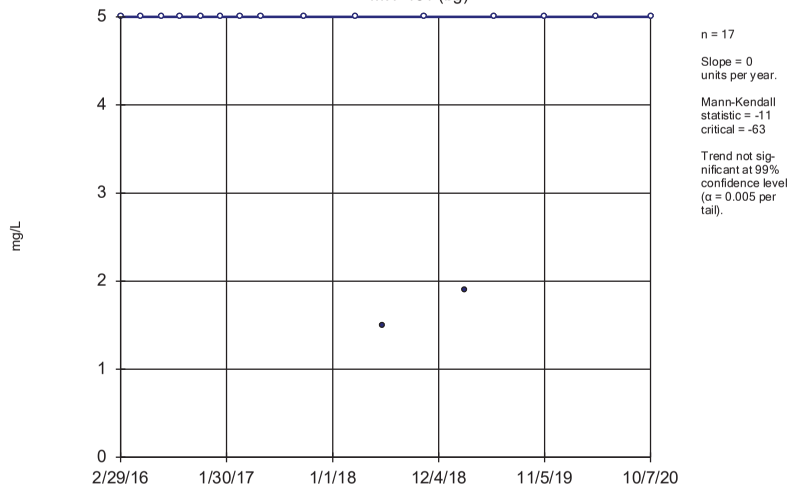
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -11
critical = -63

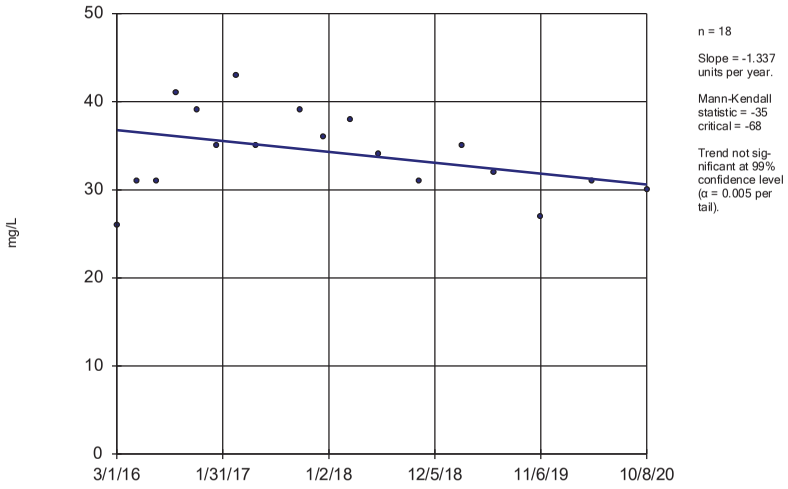
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-103



n = 18

Slope = -1.337 units per year.

Mann-Kendall statistic = -35
critical = -68

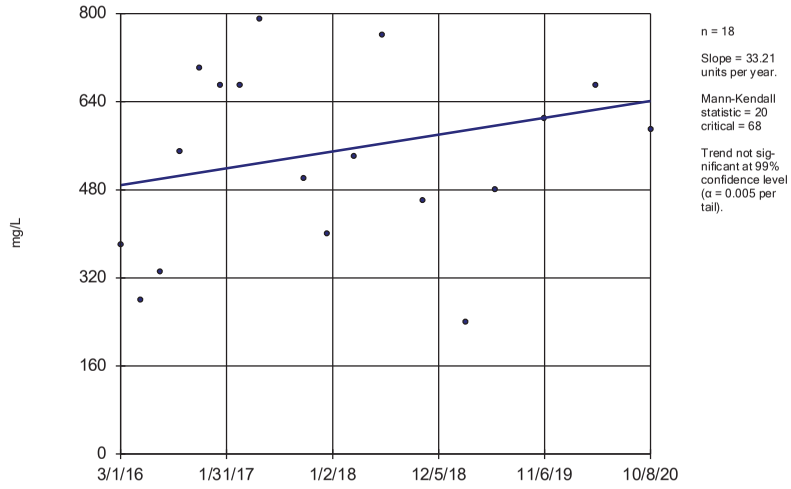
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-104



n = 18

Slope = 33.21 units per year.

Mann-Kendall statistic = 20
critical = 68

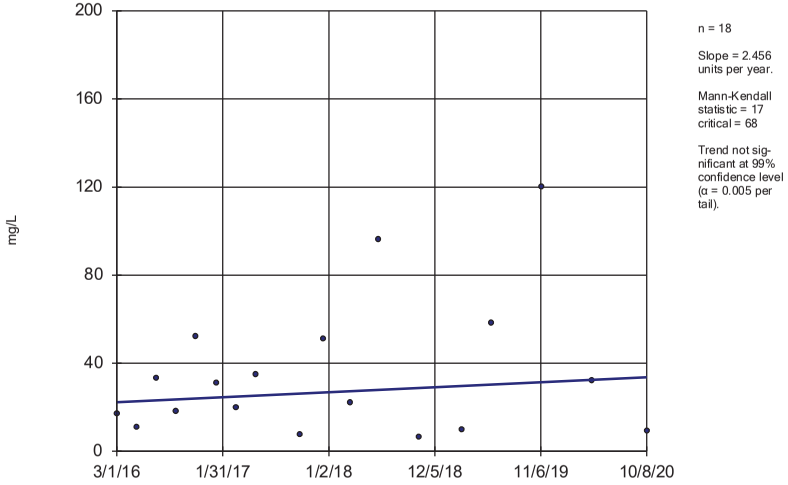
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-105



n = 18

Slope = 2.456 units per year.

Mann-Kendall statistic = 17
critical = 68

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series

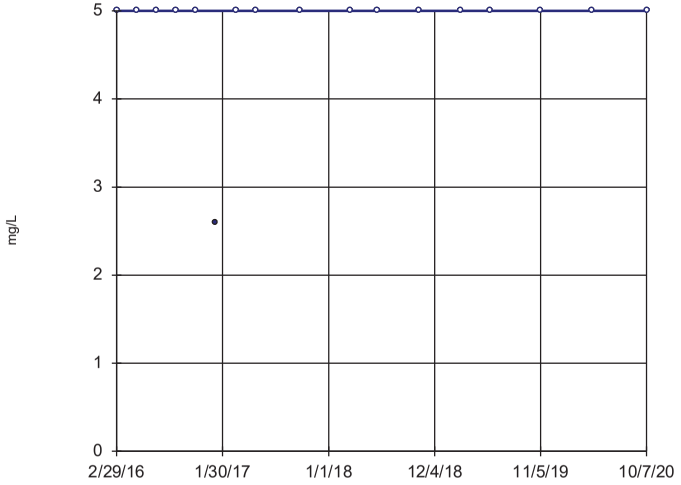
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = 6
critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

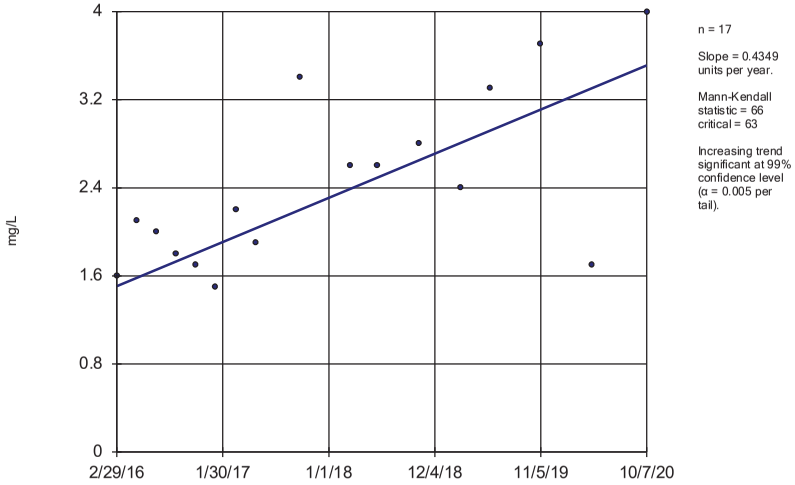
Constituent: Sulfate Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-108 (bg)



n = 17

Slope = 0.4349 units per year.

Mann-Kendall statistic = 66
critical = 63

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series

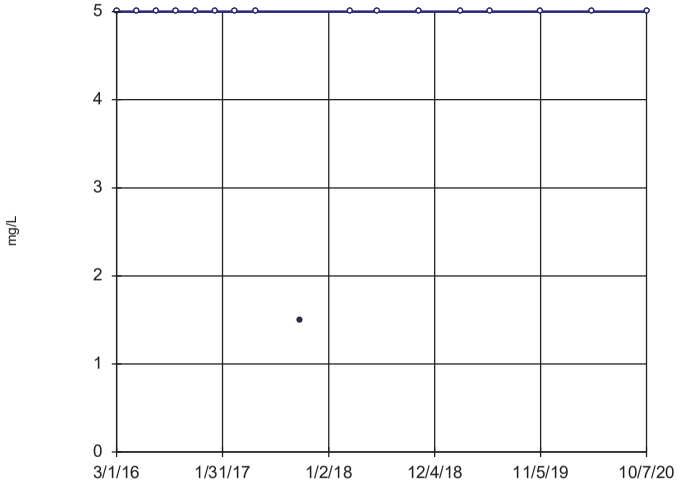
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

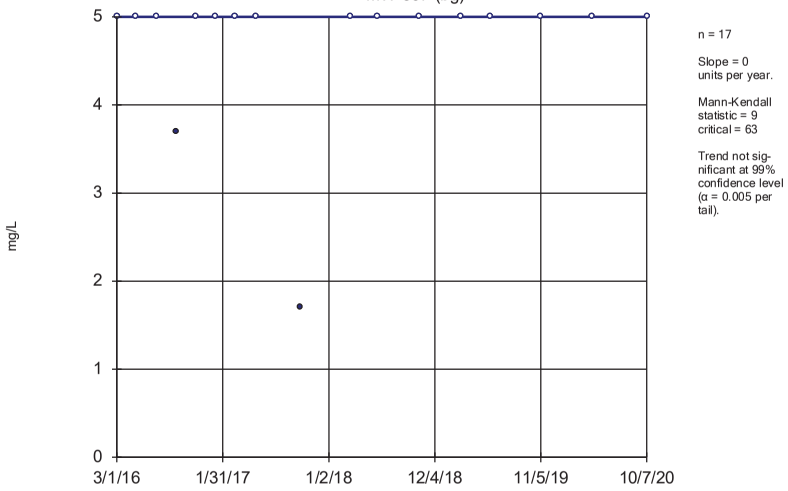
Constituent: Sulfate Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = 9
critical = 63

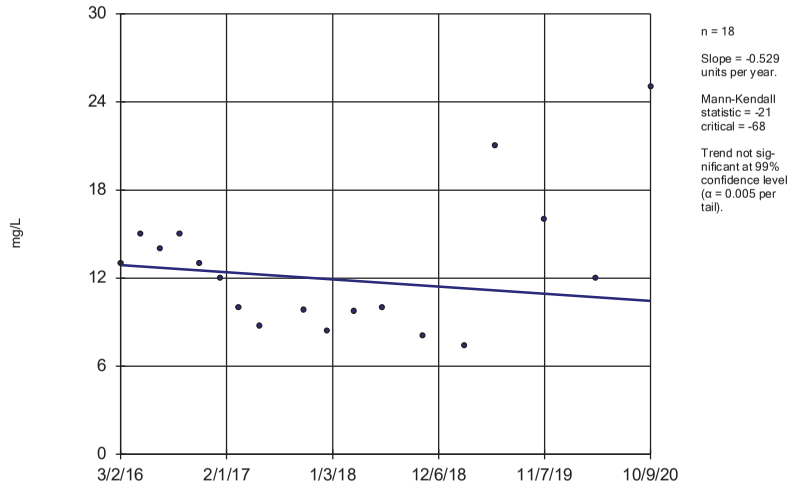
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-109



n = 18

Slope = -0.529 units per year.

Mann-Kendall statistic = -21
critical = -68

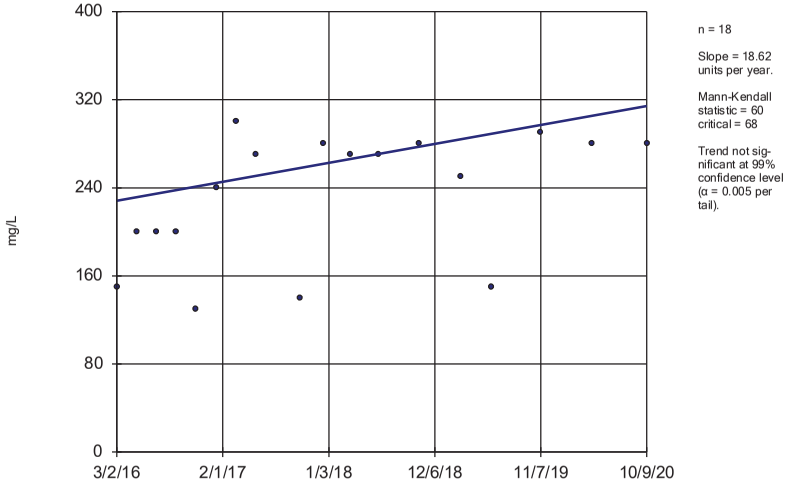
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-110



n = 18

Slope = 18.62 units per year.

Mann-Kendall statistic = 60
critical = 68

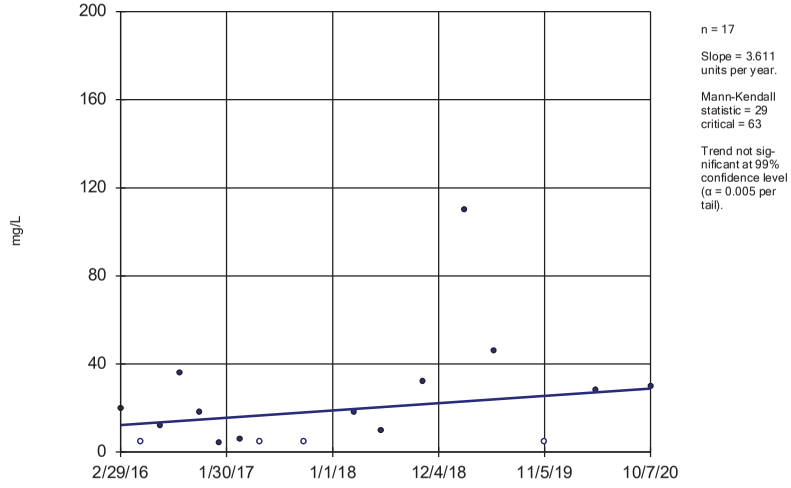
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 17

Slope = 3.611 units per year.

Mann-Kendall statistic = 29
critical = 63

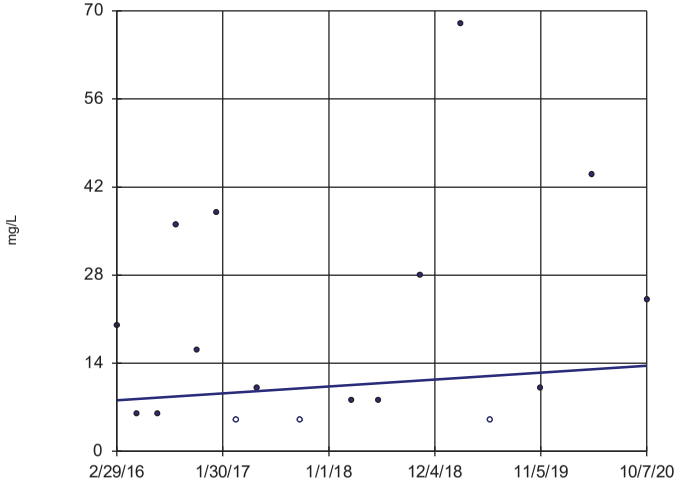
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 17

Slope = 1.195 units per year.

Mann-Kendall statistic = 18
critical = 63

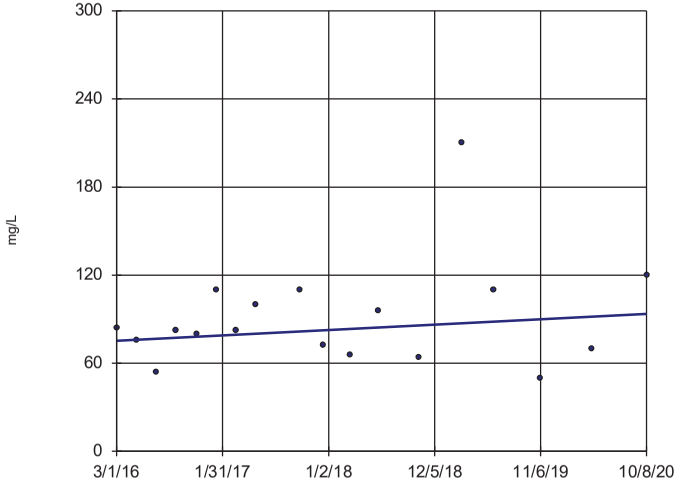
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-103



n = 18

Slope = 4.004 units per year.

Mann-Kendall statistic = 11
critical = 68

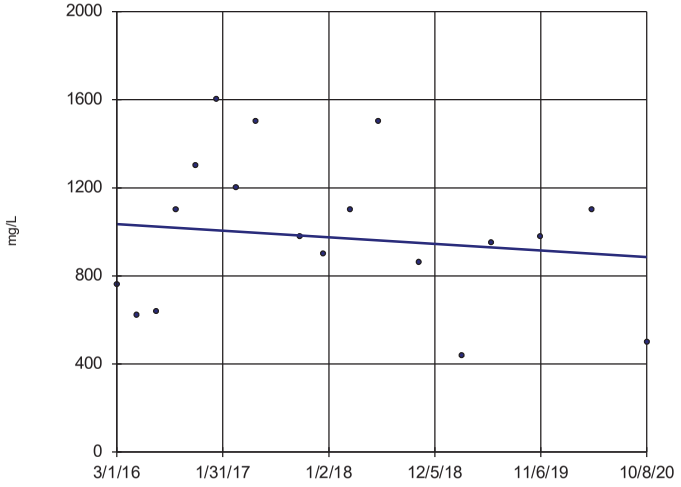
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-104



n = 18

Slope = -32.27 units per year.

Mann-Kendall statistic = -10
critical = -68

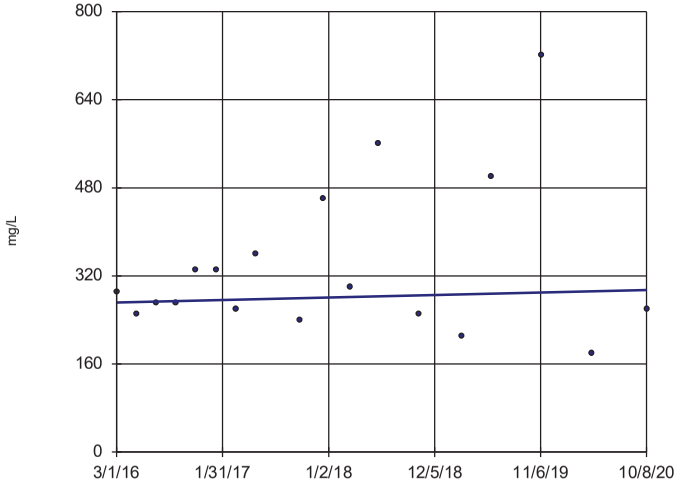
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-105



n = 18

Slope = 4.913 units per year.

Mann-Kendall statistic = 7
critical = 68

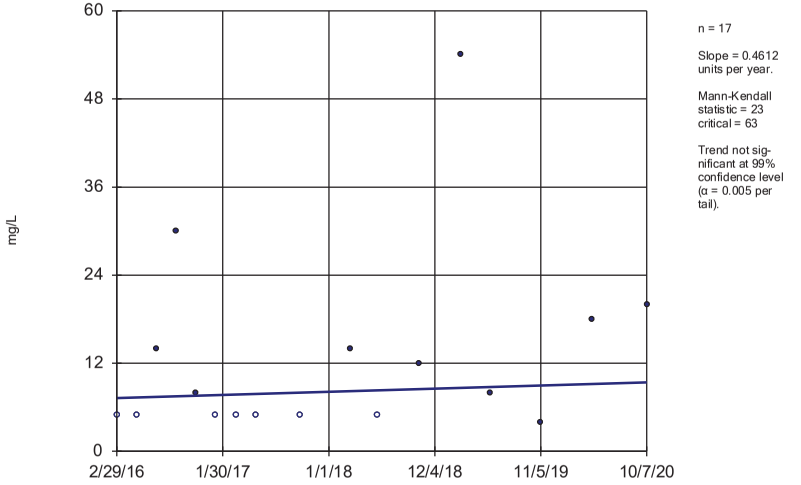
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)

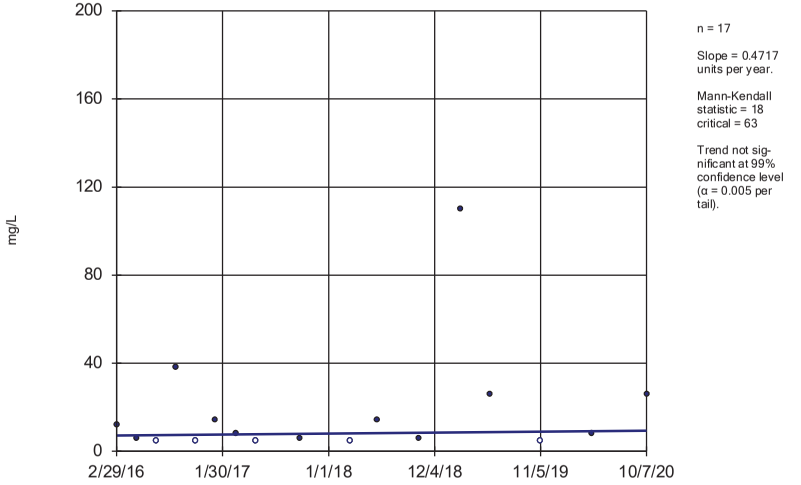


Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)

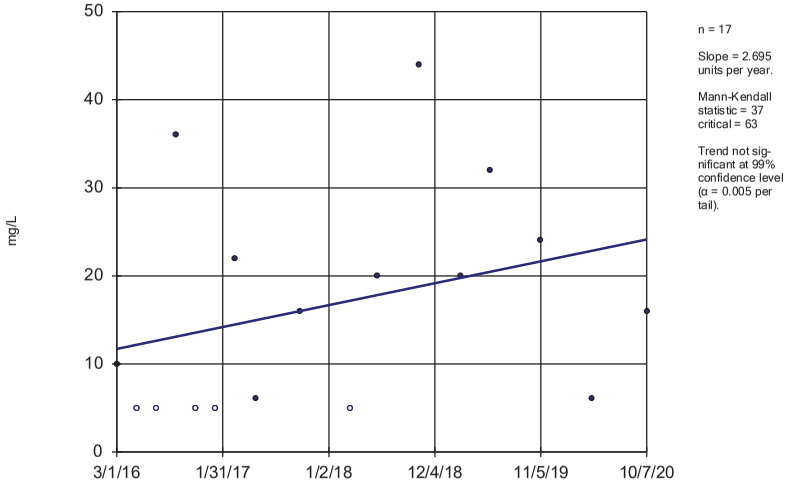


Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)

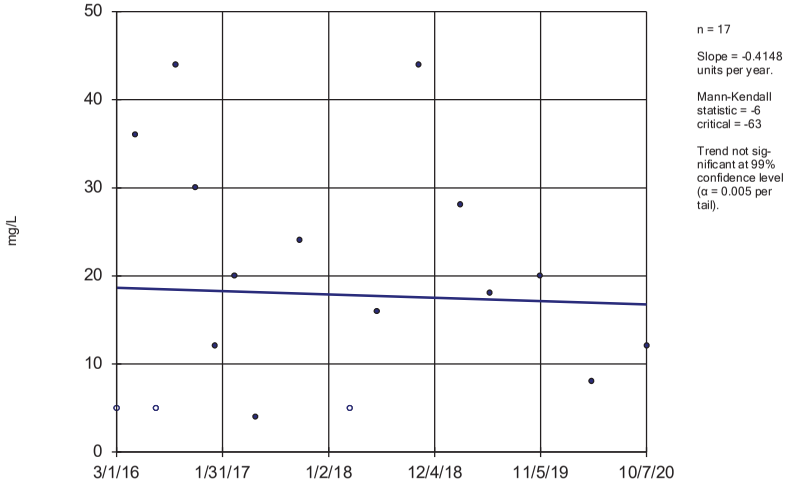


Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

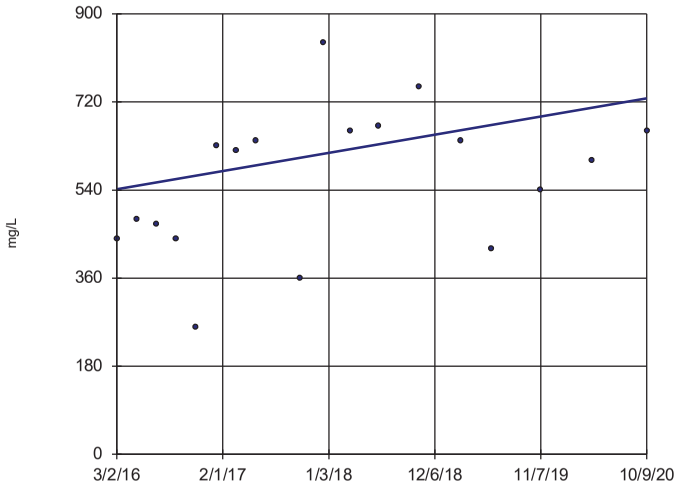
MW-307 (bg)



Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-110



n = 18

Slope = 40.29 units per year.

Mann-Kendall statistic = 44 critical = 68

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:07 PM View: Trend Tests 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

200 Series

Appendix III Trend Test Summary - 200 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/7/2021, 5:23 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	**MW-200**	**-7.907**	**-118**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**MW-201**	**-8.039**	**-103**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**MW-206**	**-20.49**	**-132**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-307 (bg)**	**-0.1486**	**-93**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-200**	**-192.1**	**-127**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-201**	**-202.3**	**-122**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-206**	**-584**	**-143**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-100 (bg)**	**0.3582**	**68**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-200**	**-333.3**	**-102**	**-68**	**Yes**	**18**	**5.556**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-201**	**-419.4**	**-101**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-206**	**-1275**	**-124**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	**MW-307 (bg)**	**-0.1302**	**-81**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-108 (bg)**	**0.4349**	**66**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-200**	**-81.11**	**-96**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-201**	**-103.6**	**-123**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-206**	**-133.8**	**-114**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-200**	**-1244**	**-126**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-201**	**-1174**	**-106**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-206**	**-3045**	**-112**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Test Summary - 200 Series Wells - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/7/2021, 5:23 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	MW-100 (bg)	0	-25	-63	No	17	88.24	n/a	n/a	0.01	NP
Boron (mg/L)	MW-101 (bg)	0	-19	-63	No	17	82.35	n/a	n/a	0.01	NP
Boron (mg/L)	MW-107 (bg)	0	-27	-63	No	17	88.24	n/a	n/a	0.01	NP
Boron (mg/L)	MW-108 (bg)	0	-25	-63	No	17	76.47	n/a	n/a	0.01	NP
Boron (mg/L)	MW-306 (bg)	0	-27	-63	No	17	88.24	n/a	n/a	0.01	NP
Boron (mg/L)	MW-307 (bg)	0	-27	-63	No	17	88.24	n/a	n/a	0.01	NP
Boron (mg/L)	**MW-200**	**-7.907**	**-118**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**MW-201**	**-8.039**	**-103**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**MW-206**	**-20.49**	**-132**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-100 (bg)	0.03825	45	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-101 (bg)	-0.01915	-34	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-107 (bg)	-0.03081	-42	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-108 (bg)	0.05435	42	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-306 (bg)	0	-1	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-307 (bg)**	**-0.1486**	**-93**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-200**	**-192.1**	**-127**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-201**	**-202.3**	**-122**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-206**	**-584**	**-143**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-100 (bg)**	**0.3582**	**68**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-101 (bg)	0.1902	51	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-107 (bg)	-0.05999	-20	-63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-108 (bg)	-0.2346	-60	-63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-306 (bg)	0.2214	60	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-307 (bg)	0.1289	41	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-200**	**-333.3**	**-102**	**-68**	**Yes**	**18**	**5.556**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-201**	**-419.4**	**-101**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-206**	**-1275**	**-124**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	MW-100 (bg)	-0.02297	-20	-63	No	17	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-101 (bg)	-0.01946	-10	-63	No	17	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-107 (bg)	-0.009346	-3	-63	No	17	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-108 (bg)	0.0066	4	58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-306 (bg)	-0.01128	-14	-63	No	17	0	n/a	n/a	0.01	NP
Field pH (SU)	**MW-307 (bg)**	**-0.1302**	**-81**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	MW-200	0.05034	45	68	No	18	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-206	0.113	67	68	No	18	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-100 (bg)	0	0	63	No	17	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-101 (bg)	0	2	63	No	17	94.12	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-107 (bg)	0	0	63	No	17	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-108 (bg)	0	0	63	No	17	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-306 (bg)	0	0	63	No	17	100	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-307 (bg)	0	16	63	No	17	94.12	n/a	n/a	0.01	NP
Fluoride (mg/L)	MW-201	-0.02633	-12	-68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-100 (bg)	0	5	58	No	16	93.75	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-101 (bg)	0	-11	-63	No	17	88.24	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-107 (bg)	0	6	63	No	17	94.12	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-108 (bg)**	**0.4349**	**66**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	MW-306 (bg)	0	0	63	No	17	94.12	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-307 (bg)	0	9	63	No	17	88.24	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-200**	**-81.11**	**-96**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-201**	**-103.6**	**-123**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-206**	**-133.8**	**-114**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	MW-100 (bg)	3.611	29	63	No	17	23.53	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-101 (bg)	1.195	18	63	No	17	17.65	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-107 (bg)	0.4612	23	63	No	17	41.18	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-108 (bg)	0.4717	18	63	No	17	29.41	n/a	n/a	0.01	NP

Appendix III Trend Test Summary - 200 Series Wells - All Results

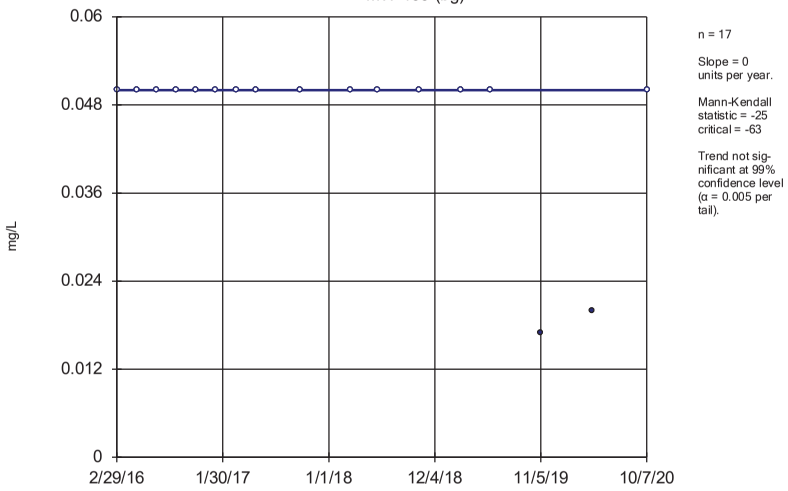
Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/7/2021, 5:23 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Total Dissolved Solids (mg/L)	MW-306 (bg)	2.695	37	63	No	17	29.41	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-307 (bg)	-0.4148	-6	-63	No	17	17.65	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	**MW-200**	**-1244**	**-126**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-201**	**-1174**	**-106**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	**MW-206**	**-3045**	**-112**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)

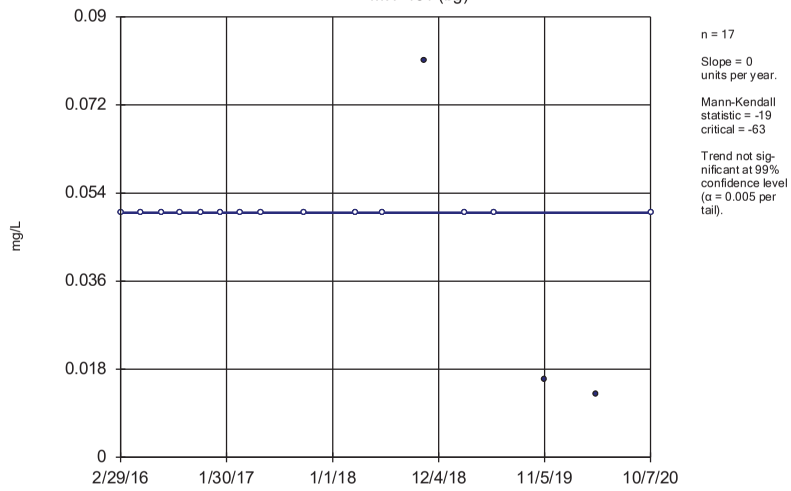


Constituent: Boron Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)

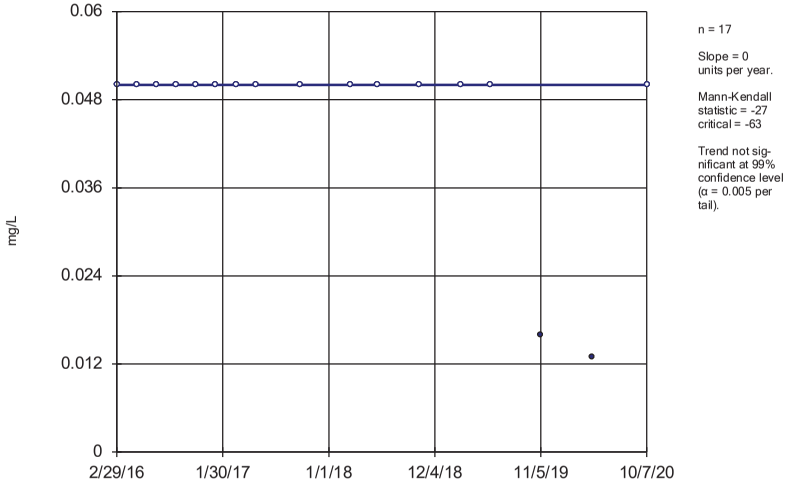


Constituent: Boron Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)

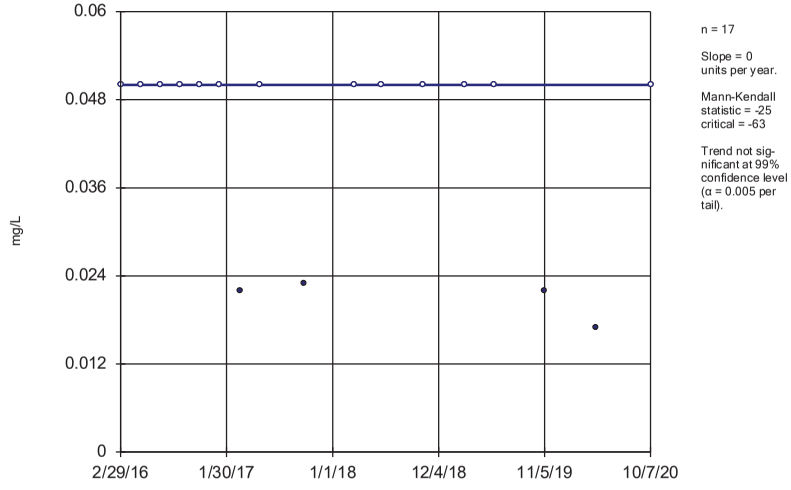


Constituent: Boron Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)

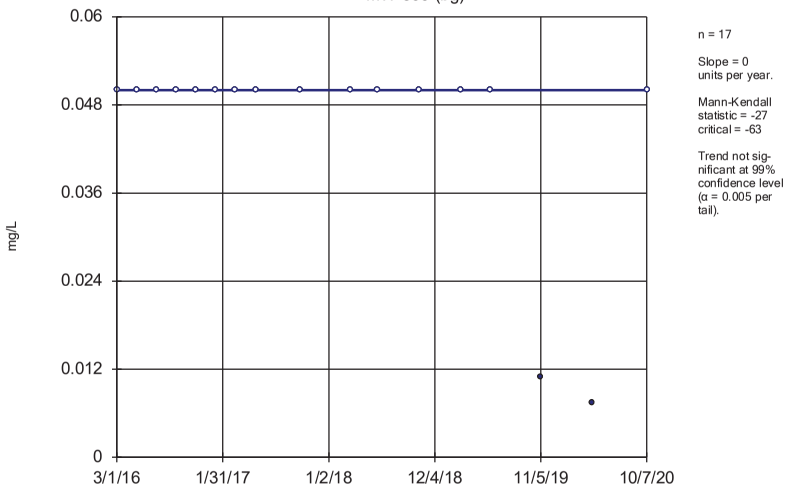


Constituent: Boron Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -27
critical = -63

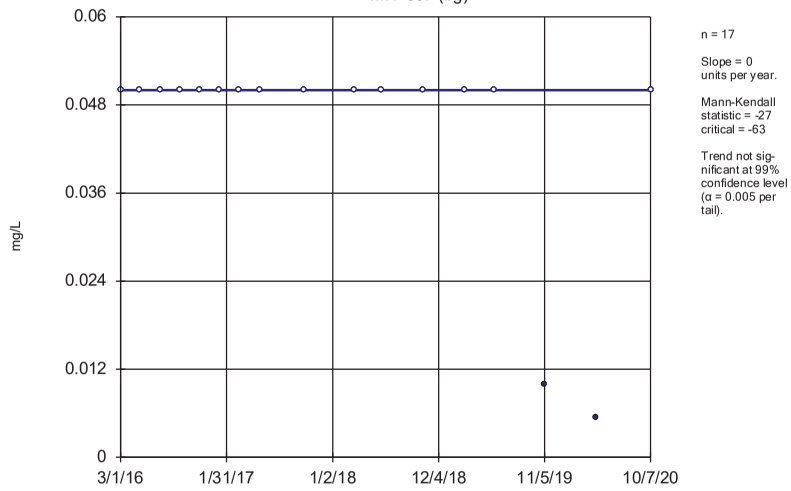
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -27
critical = -63

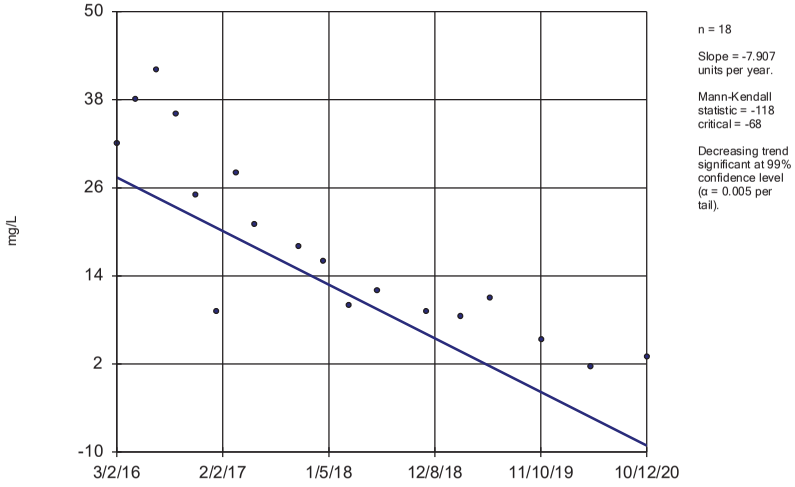
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-200



n = 18

Slope = -7.907 units per year.

Mann-Kendall statistic = -118
critical = -68

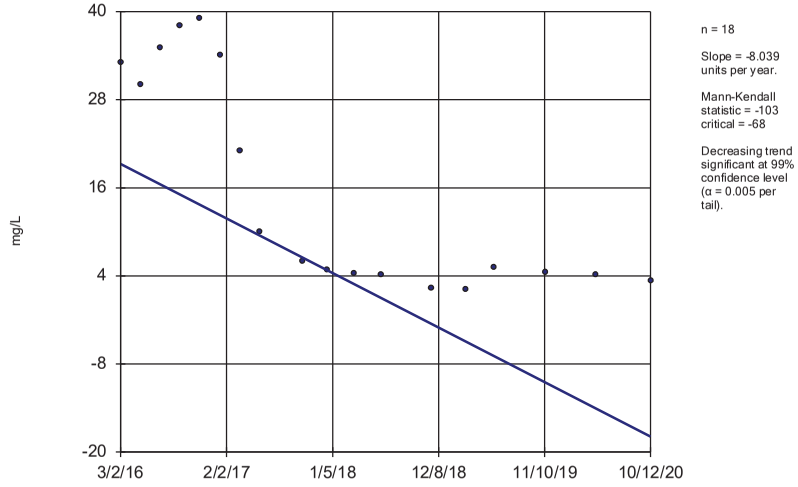
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-201



n = 18

Slope = -8.039 units per year.

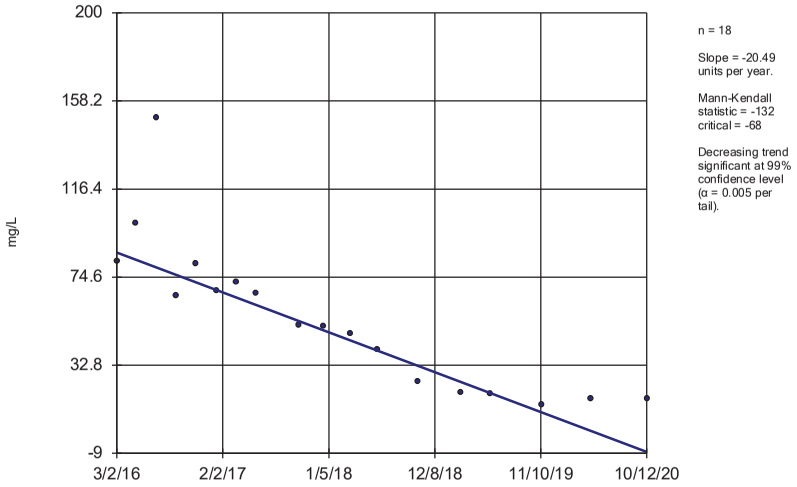
Mann-Kendall statistic = -103
critical = -68

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-206



n = 18

Slope = -20.49 units per year.

Mann-Kendall statistic = -132
critical = -68

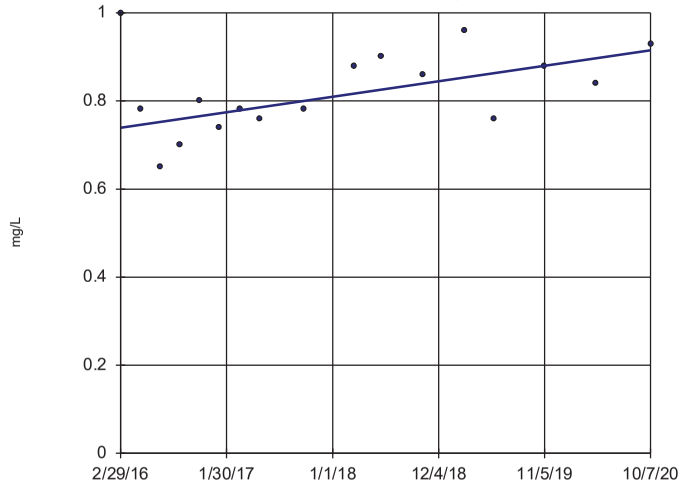
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-100 (bg)



n = 17

Slope = 0.03825 units per year.

Mann-Kendall statistic = 45
critical = 63

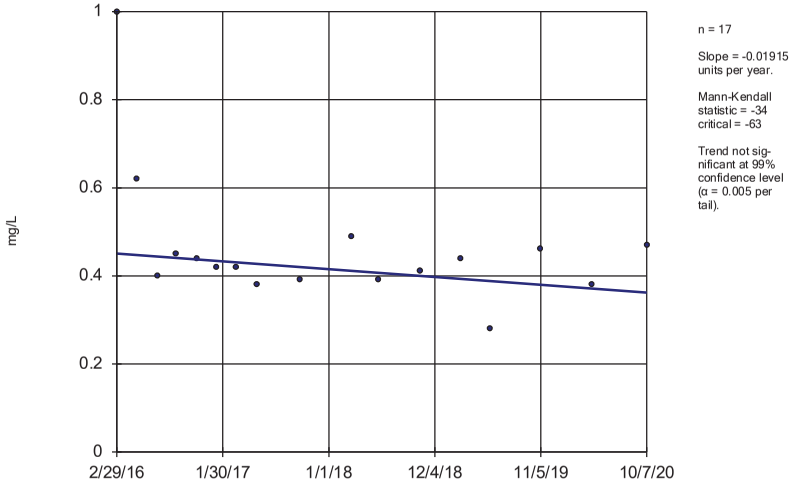
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-101 (bg)



n = 17

Slope = -0.01915 units per year.

Mann-Kendall statistic = -34
critical = -63

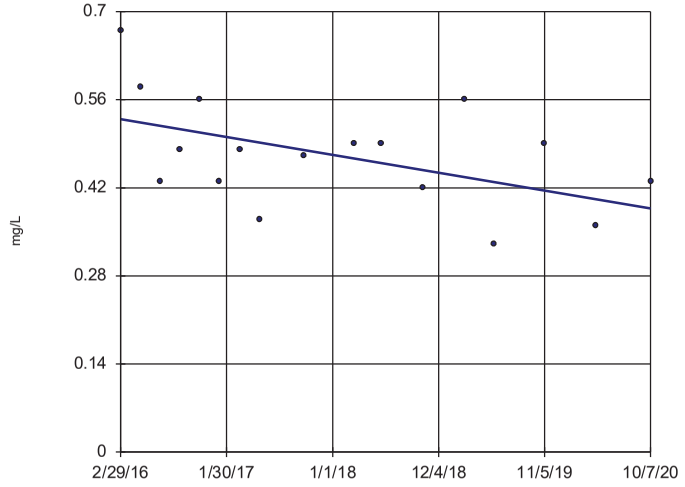
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-107 (bg)



n = 17

Slope = -0.03081 units per year.

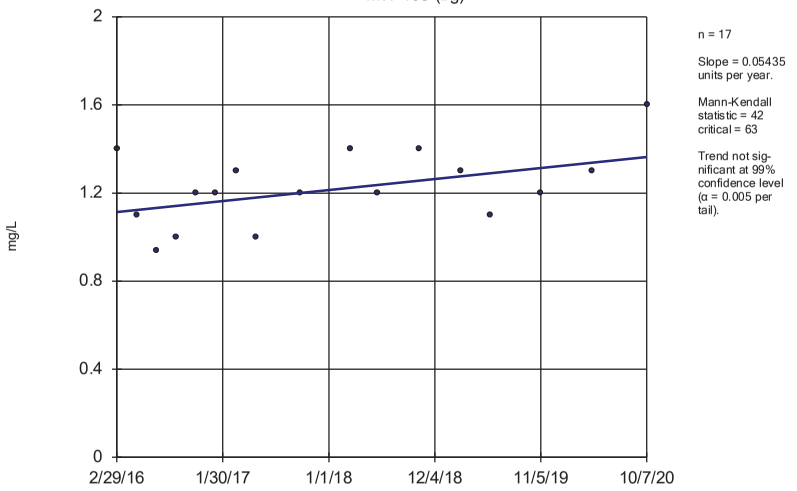
Mann-Kendall statistic = -42
critical = -63

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-108 (bg)



n = 17

Slope = 0.05435 units per year.

Mann-Kendall statistic = 42
critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

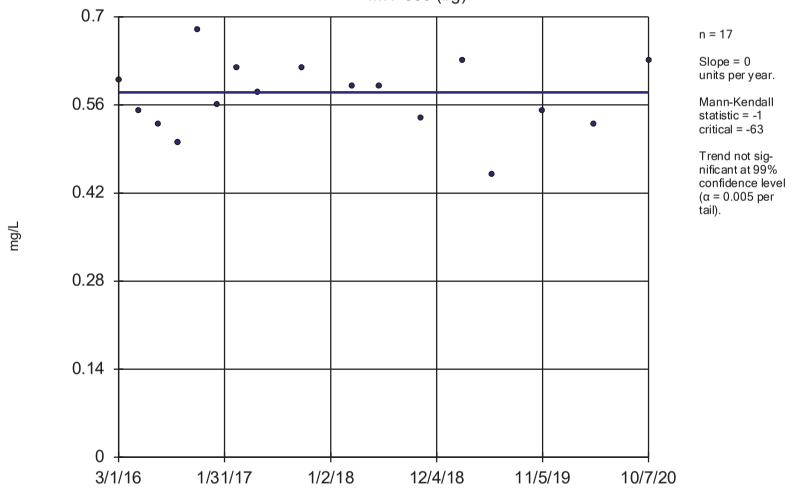
Constituent: Calcium Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-306 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -1
critical = -63

Trend not significant at 99% confidence level (α = 0.005 per tail).

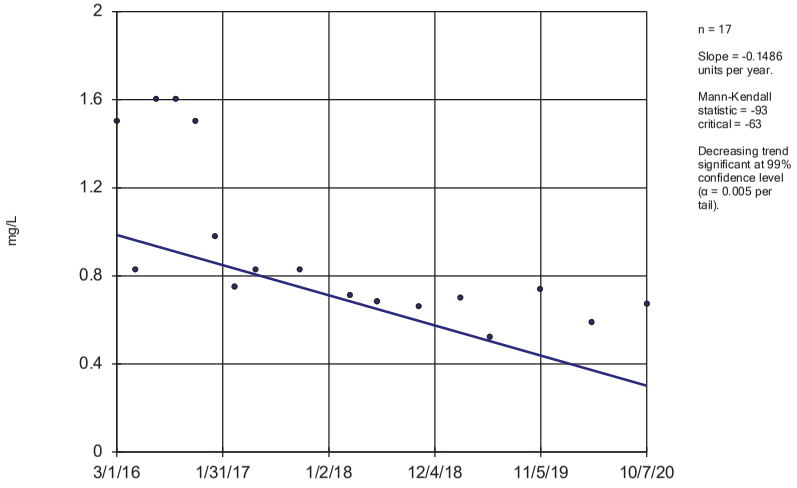
Constituent: Calcium Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-307 (bg)



n = 17

Slope = -0.1486 units per year.

Mann-Kendall statistic = -93
critical = -63

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

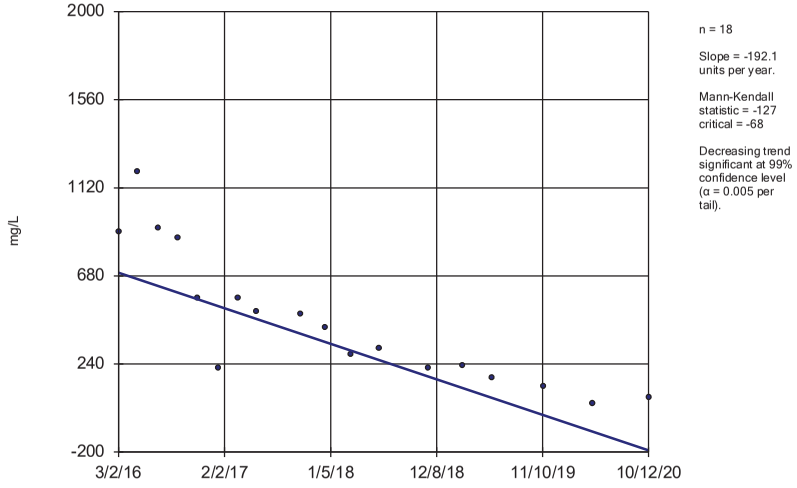
Constituent: Calcium Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-200



n = 18

Slope = -192.1 units per year.

Mann-Kendall statistic = -127
critical = -68

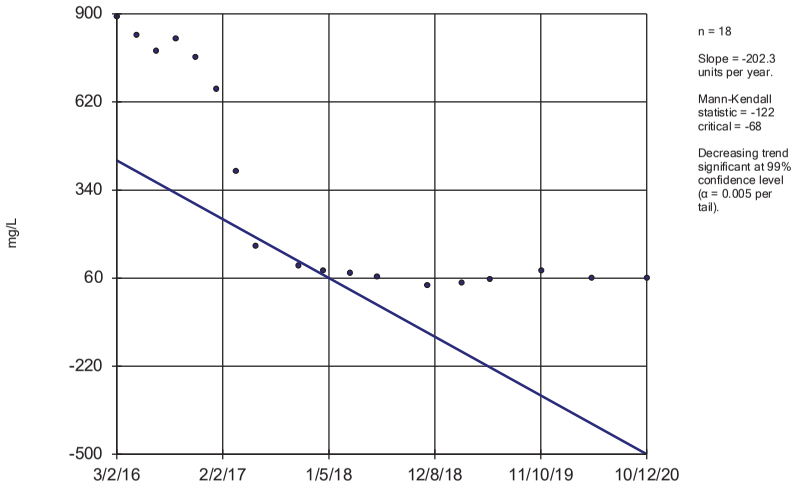
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-201



n = 18

Slope = -202.3 units per year.

Mann-Kendall statistic = -122
critical = -68

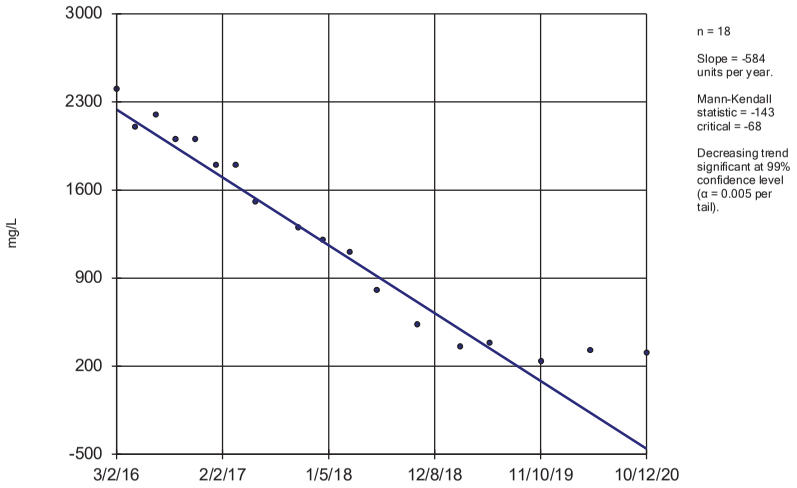
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-206



n = 18

Slope = -584 units per year.

Mann-Kendall statistic = -143
critical = -68

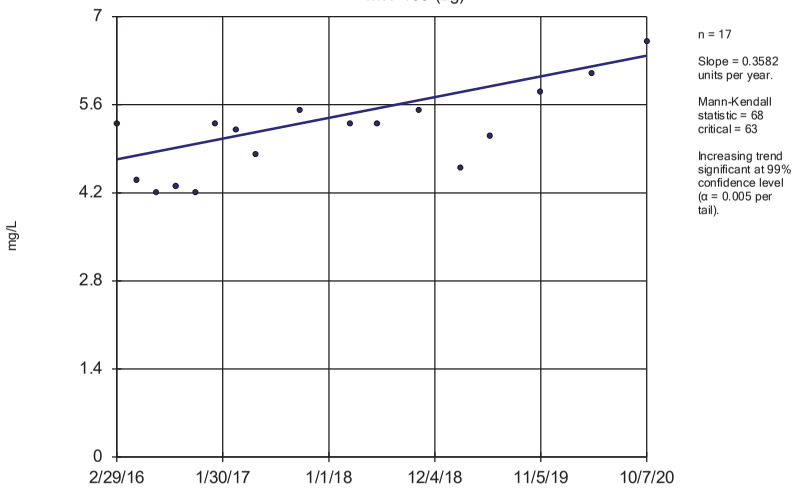
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-100 (bg)



n = 17

Slope = 0.3582 units per year.

Mann-Kendall statistic = 68
critical = 63

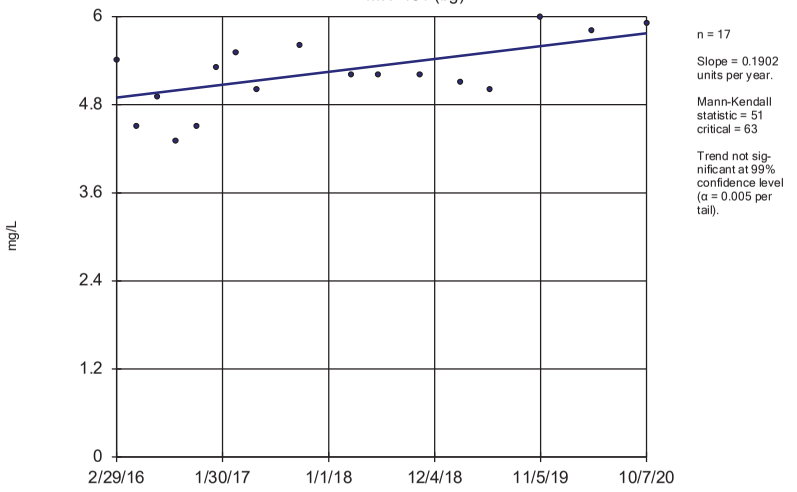
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-101 (bg)



n = 17

Slope = 0.1902 units per year.

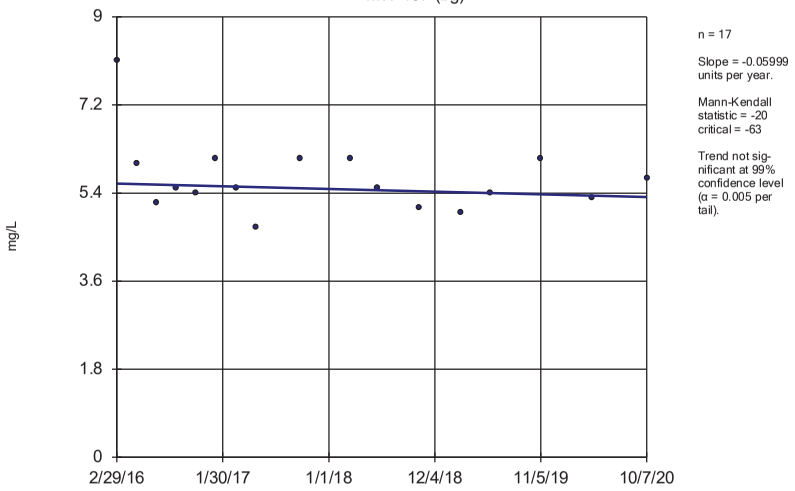
Mann-Kendall statistic = 51
critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-107 (bg)



n = 17

Slope = -0.05999 units per year.

Mann-Kendall statistic = -20
critical = -63

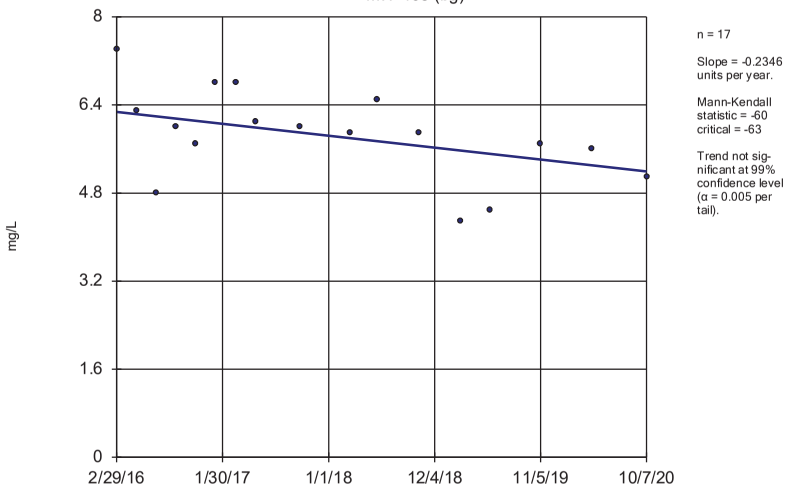
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-108 (bg)



n = 17

Slope = -0.2346 units per year.

Mann-Kendall statistic = -60
critical = -63

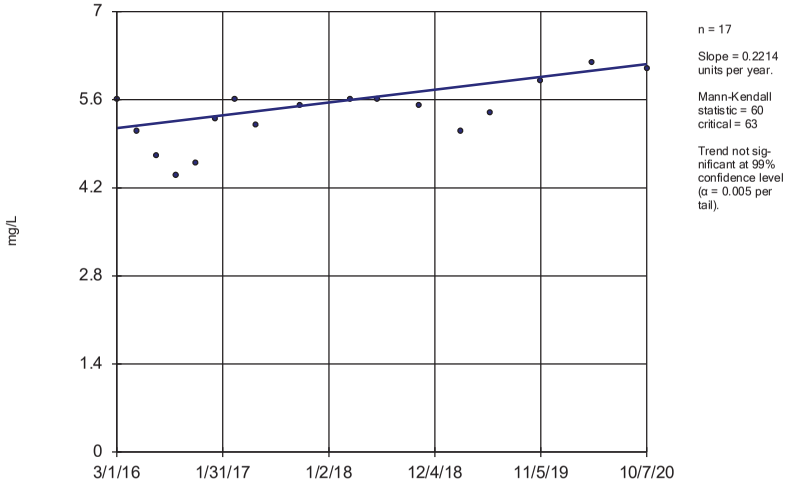
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-306 (bg)



n = 17

Slope = 0.2214 units per year.

Mann-Kendall statistic = 60
critical = 63

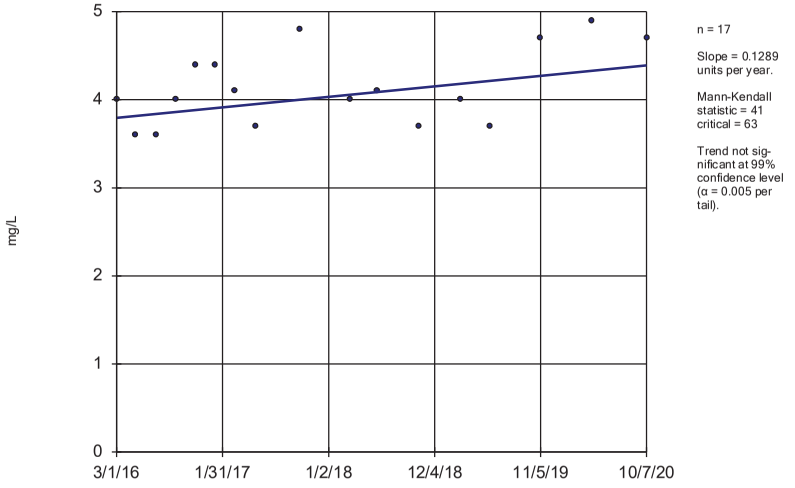
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-307 (bg)



n = 17

Slope = 0.1289 units per year.

Mann-Kendall statistic = 41
critical = 63

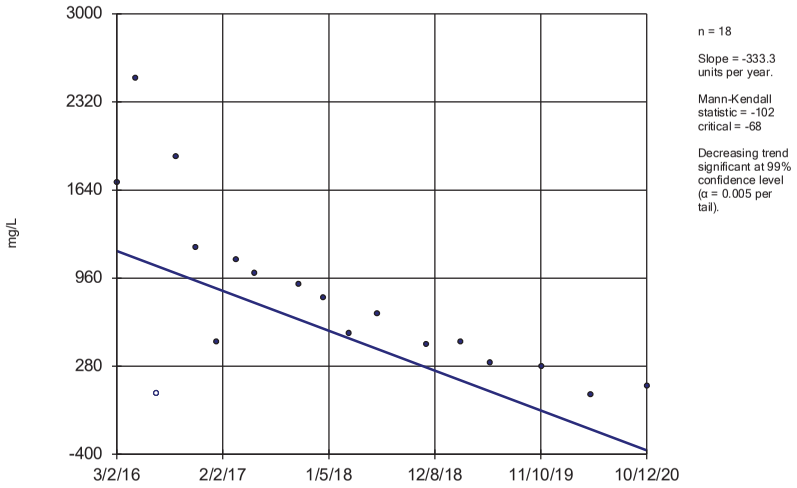
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-200



n = 18

Slope = -333.3 units per year.

Mann-Kendall statistic = -102
critical = -68

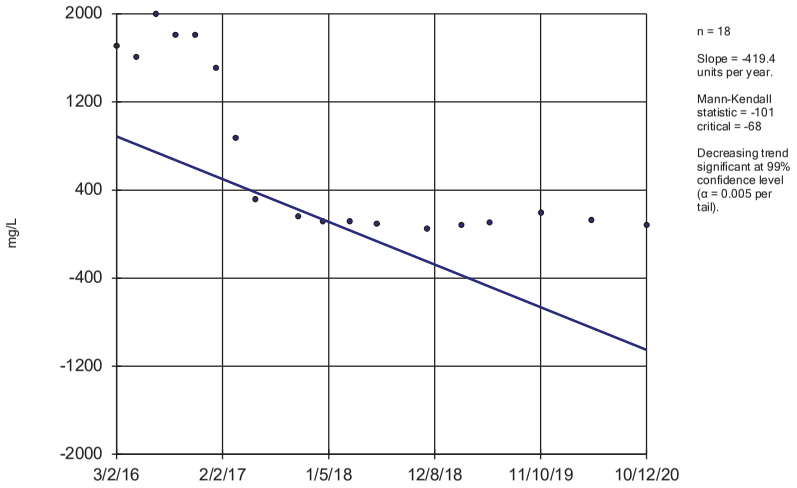
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-201



n = 18

Slope = -419.4 units per year.

Mann-Kendall statistic = -101
critical = -68

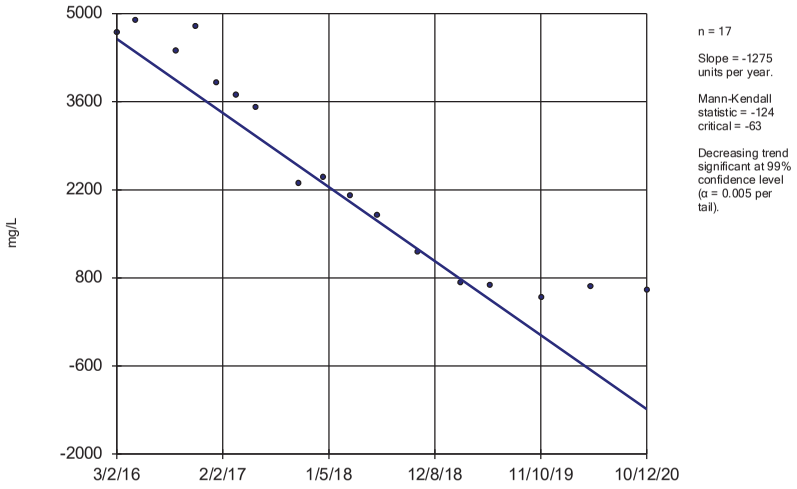
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-206



n = 17

Slope = -1275 units per year.

Mann-Kendall statistic = -124
critical = -63

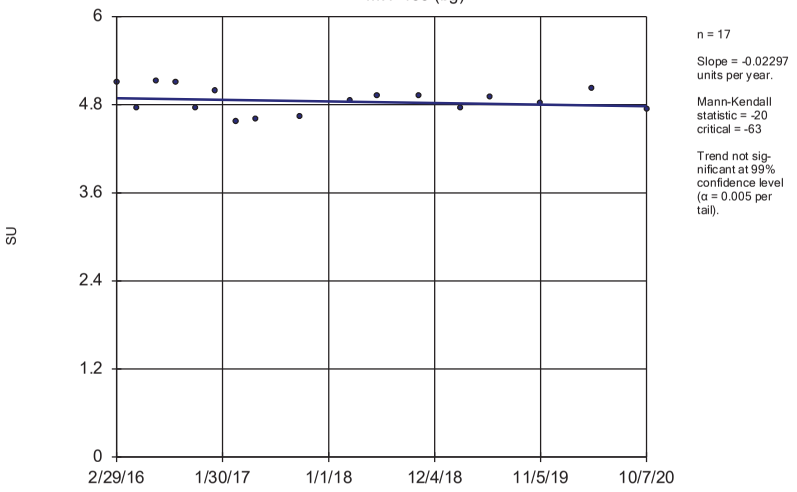
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-100 (bg)



n = 17

Slope = -0.02297 units per year.

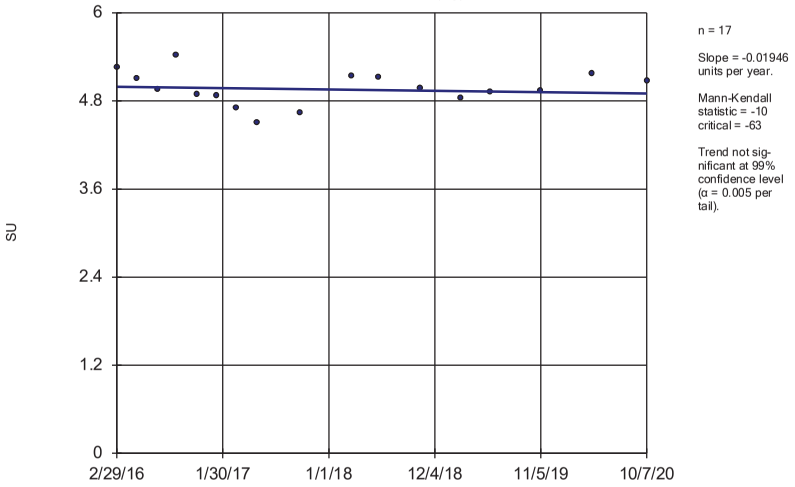
Mann-Kendall statistic = -20
critical = -63

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-101 (bg)



n = 17

Slope = -0.01946 units per year.

Mann-Kendall statistic = -10
critical = -63

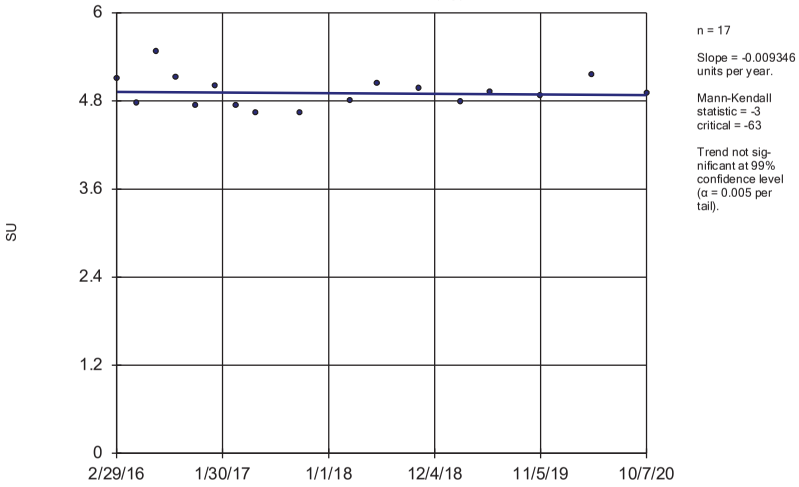
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-107 (bg)



n = 17

Slope = -0.009346 units per year.

Mann-Kendall statistic = -3
critical = -63

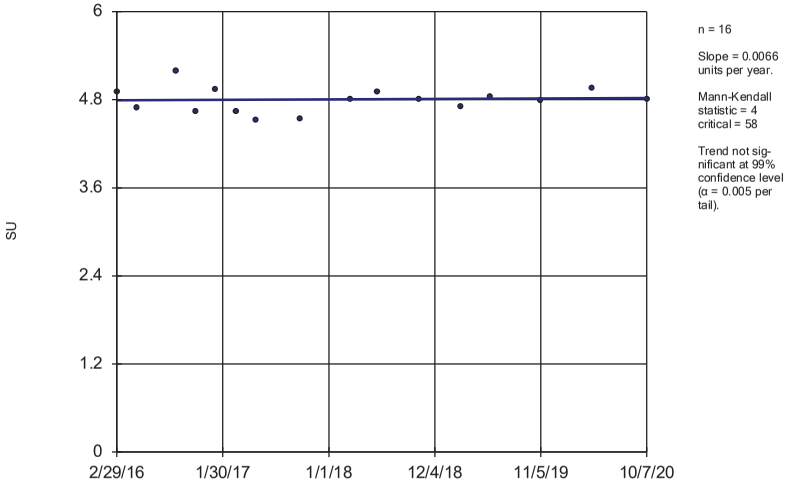
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-108 (bg)



n = 16

Slope = 0.0066 units per year.

Mann-Kendall statistic = 4
critical = 58

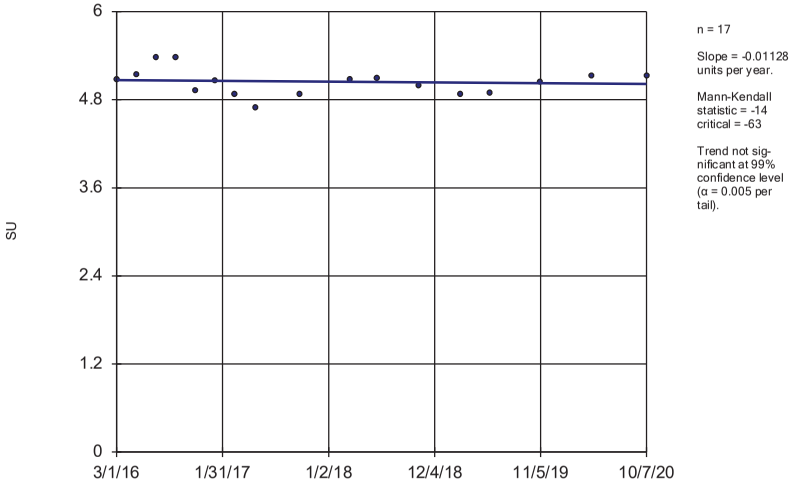
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-306 (bg)



n = 17

Slope = -0.01128 units per year.

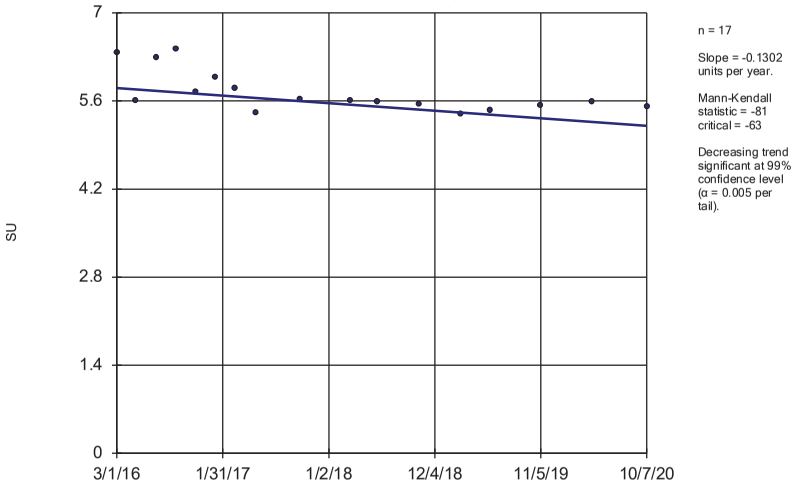
Mann-Kendall statistic = -14
critical = -63

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-307 (bg)



n = 17

Slope = -0.1302 units per year.

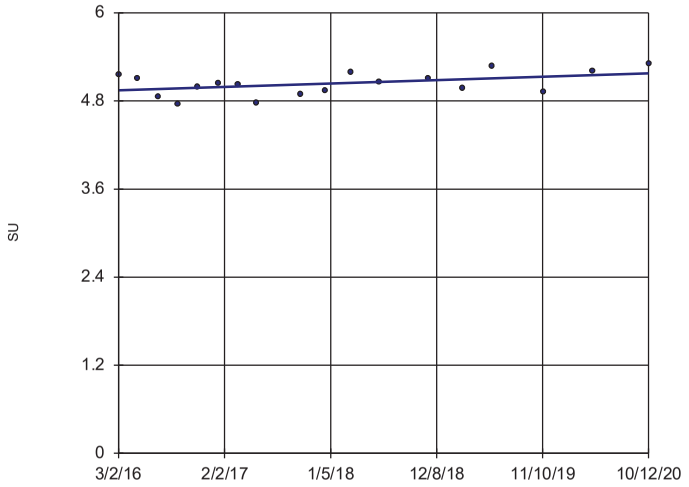
Mann-Kendall statistic = -81
critical = -63

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-200



n = 18

Slope = 0.05034 units per year.

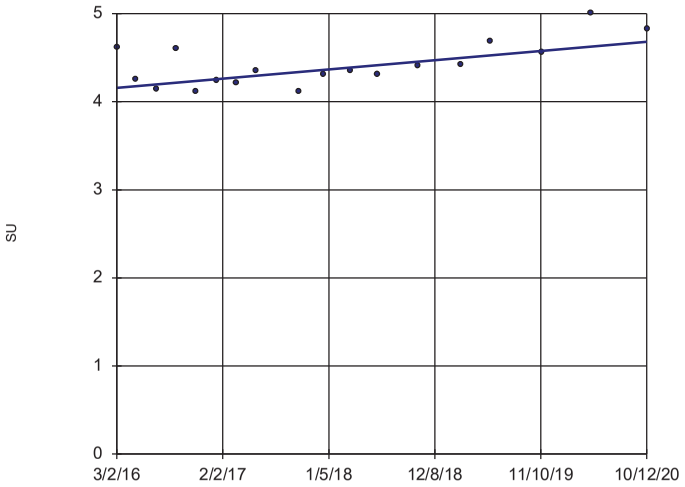
Mann-Kendall statistic = 45
critical = 68

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-206



n = 18

Slope = 0.113 units per year.

Mann-Kendall statistic = 67
critical = 68

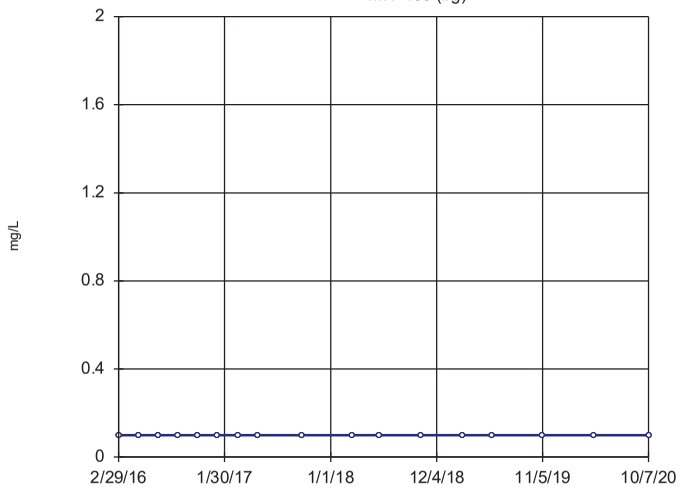
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 63

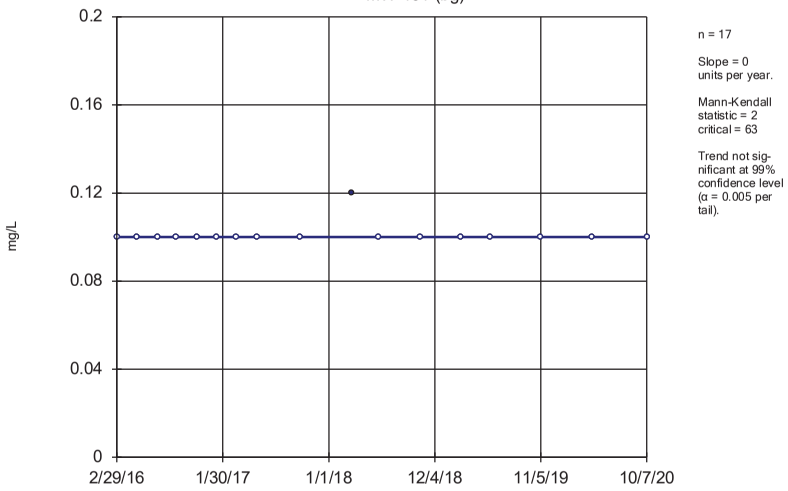
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)

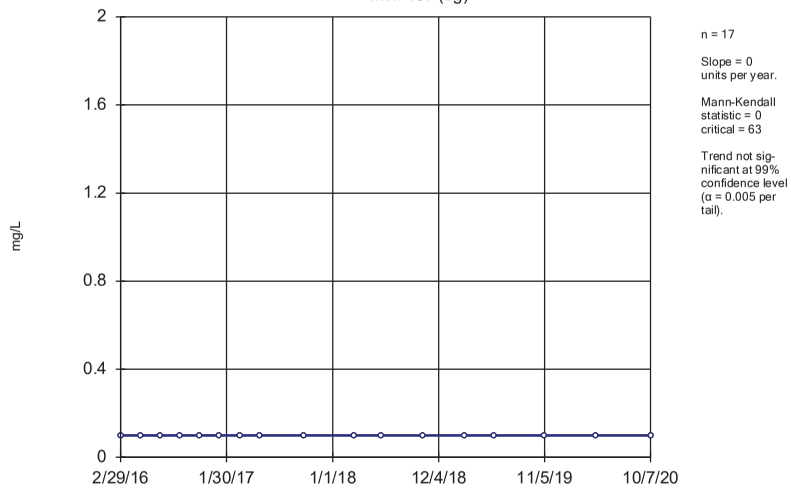


Constituent: Fluoride Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)

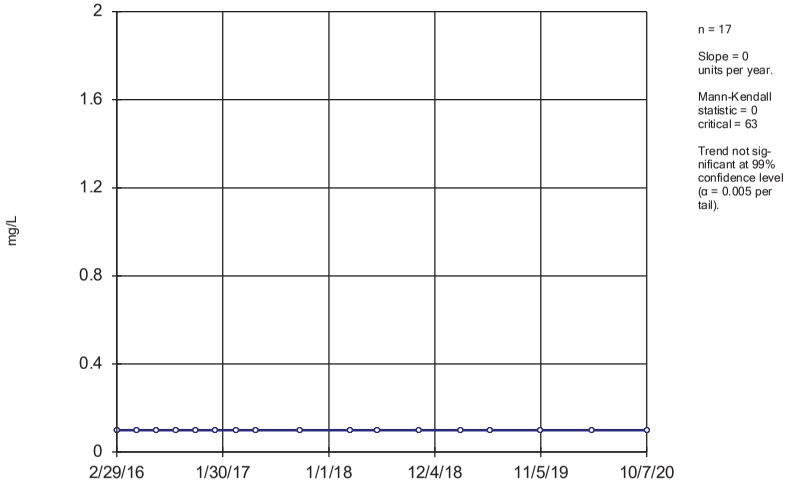


Constituent: Fluoride Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)

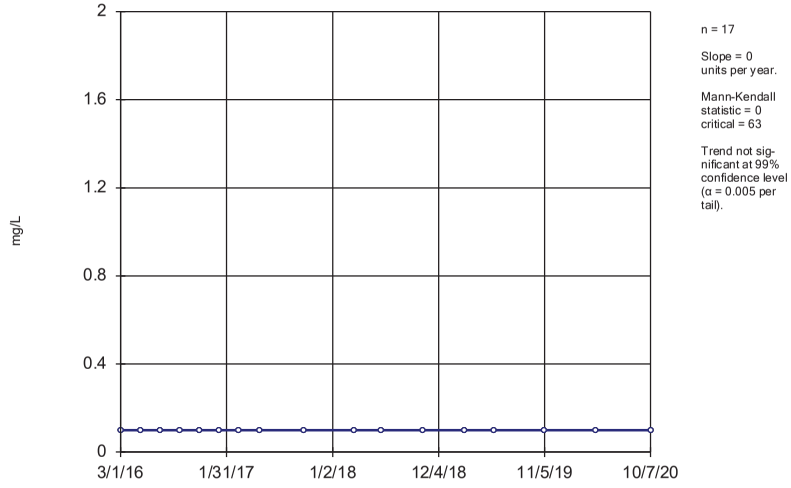


Constituent: Fluoride Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)

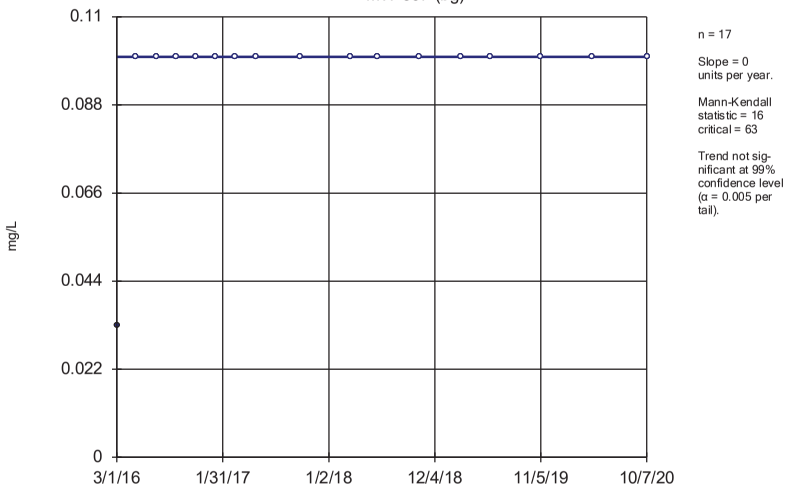


Constituent: Fluoride Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = 16
critical = 63

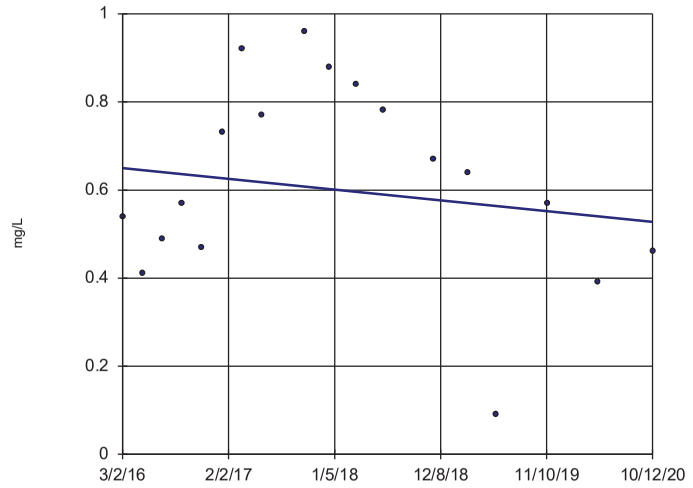
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-201



n = 18

Slope = -0.02633 units per year.

Mann-Kendall statistic = -12
critical = -68

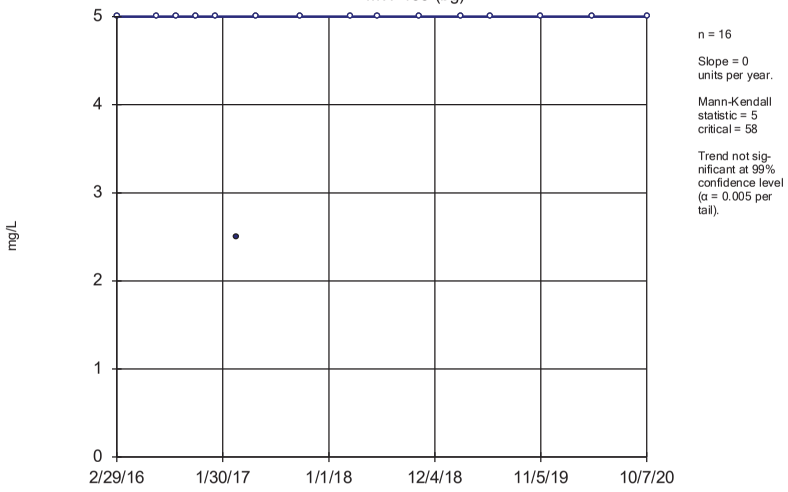
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 5
critical = 58

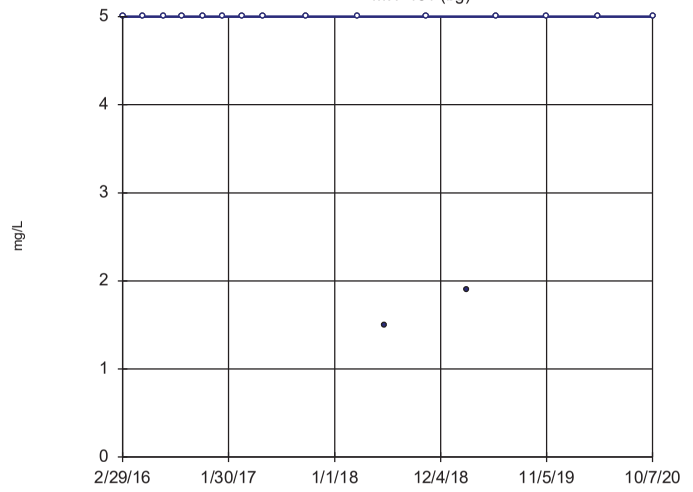
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -11
critical = -63

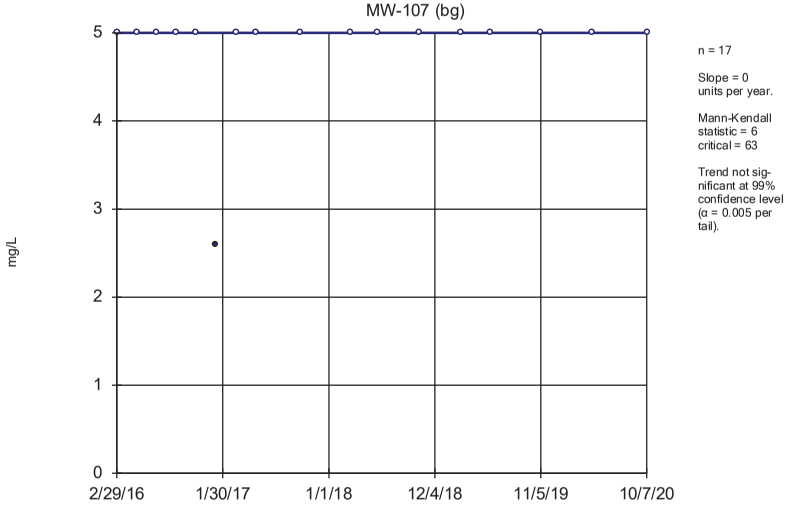
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 17

Slope = 0
units per year.

Mann-Kendall
statistic = 6
critical = 63

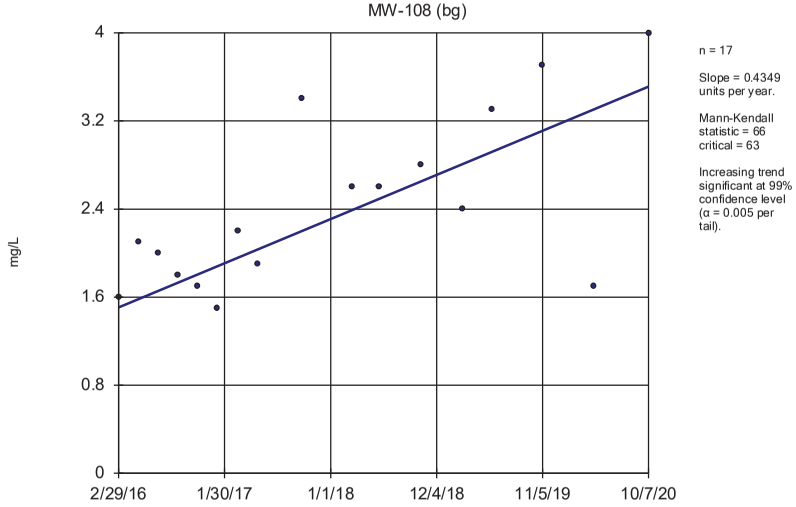
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Sulfate Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-108 (bg)



n = 17

Slope = 0.4349
units per year.

Mann-Kendall
statistic = 66
critical = 63

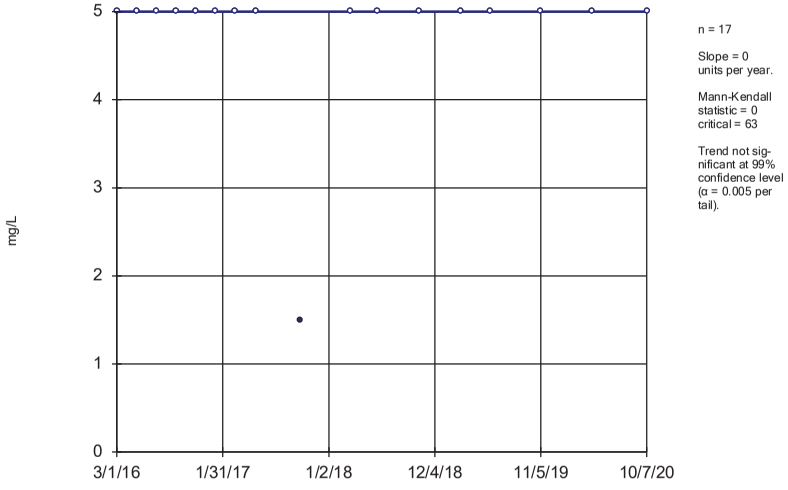
Increasing trend
significant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Sulfate Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 17

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 63

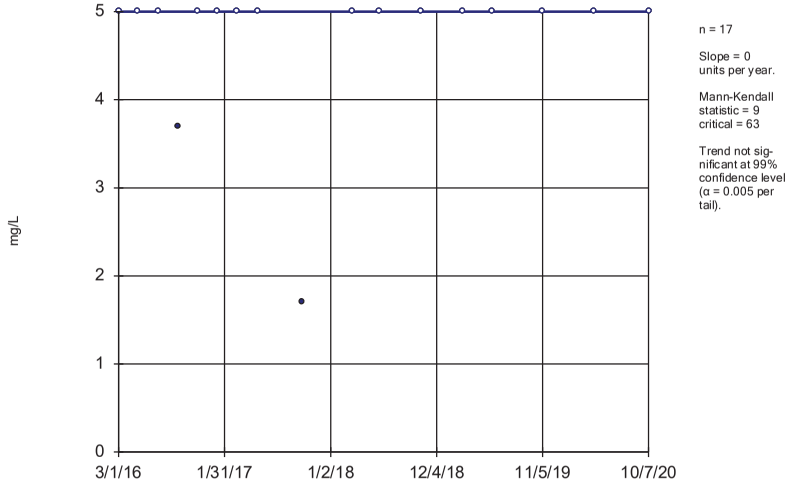
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Sulfate Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 17

Slope = 0
units per year.

Mann-Kendall
statistic = 9
critical = 63

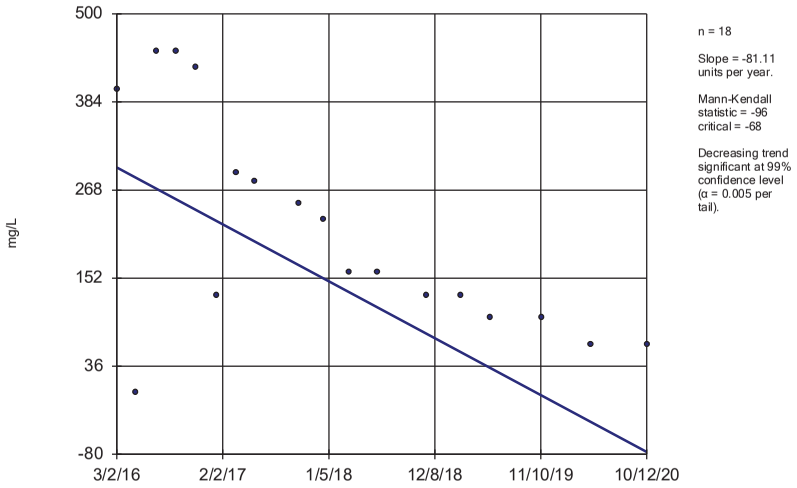
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Sulfate Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-200



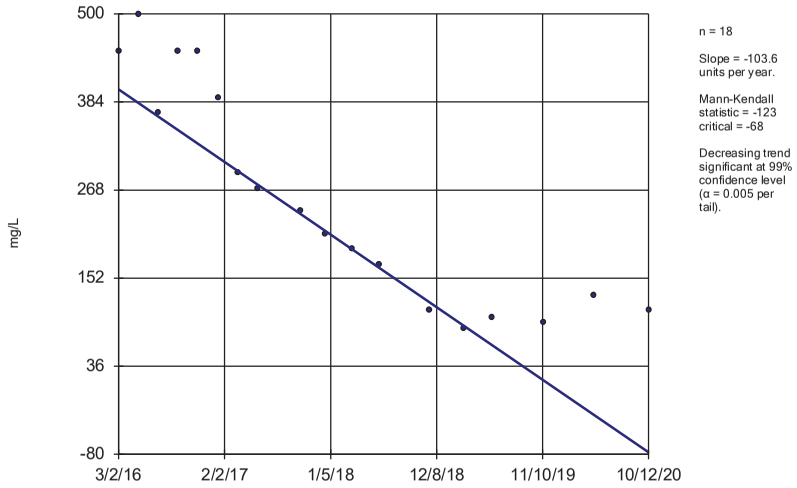
Constituent: Sulfate Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-201



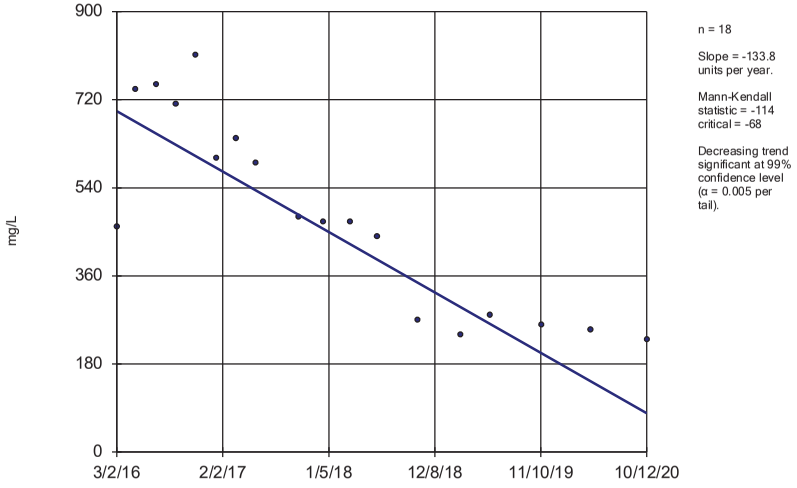
Constituent: Sulfate Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-206



Constituent: Sulfate Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series

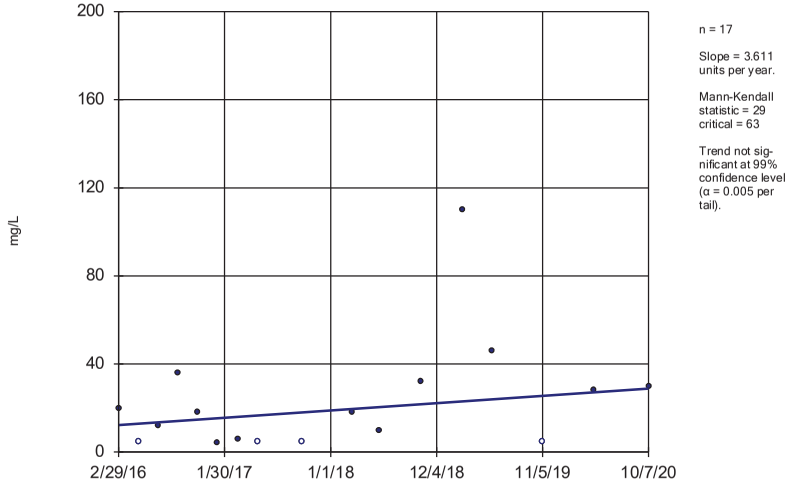
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



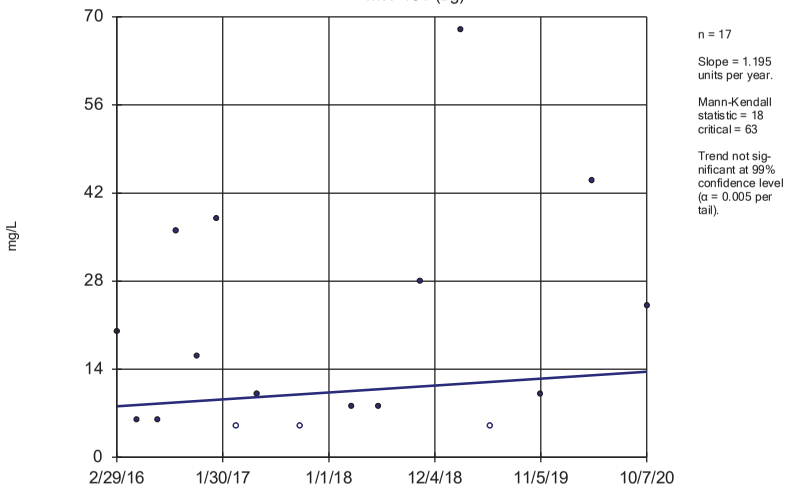
Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 17

Slope = 1.195 units per year.

Mann-Kendall statistic = 18
critical = 63

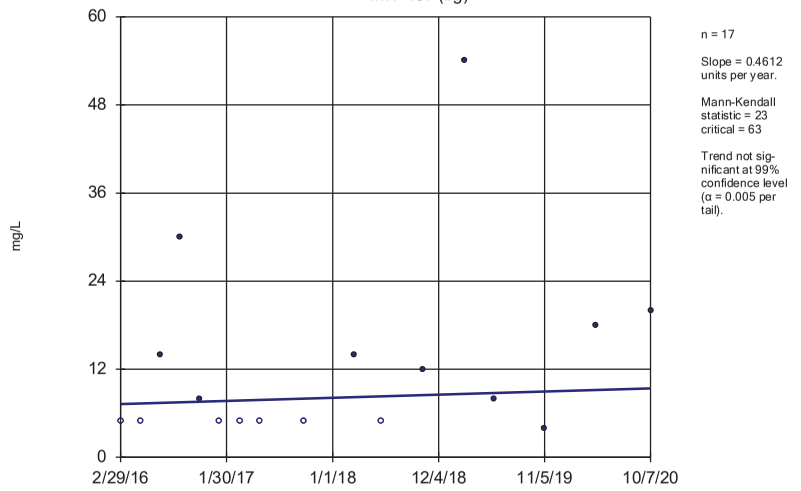
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 17

Slope = 0.4612 units per year.

Mann-Kendall statistic = 23
critical = 63

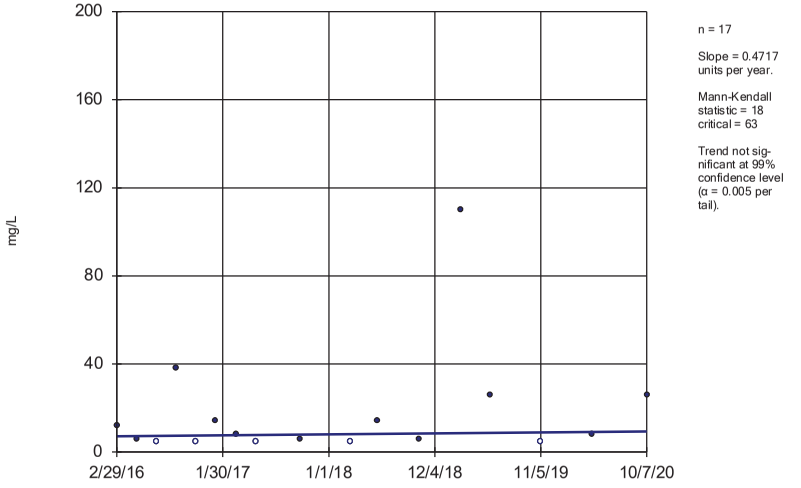
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



n = 17

Slope = 0.4717 units per year.

Mann-Kendall statistic = 18
critical = 63

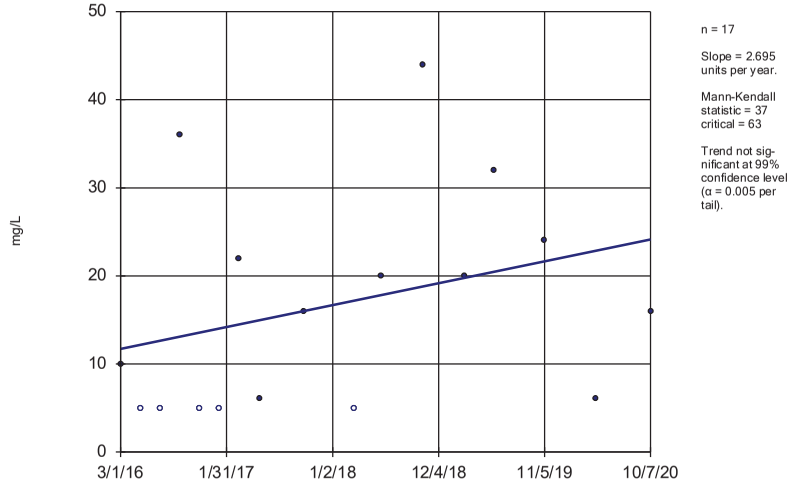
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 17

Slope = 2.695 units per year.

Mann-Kendall statistic = 37
critical = 63

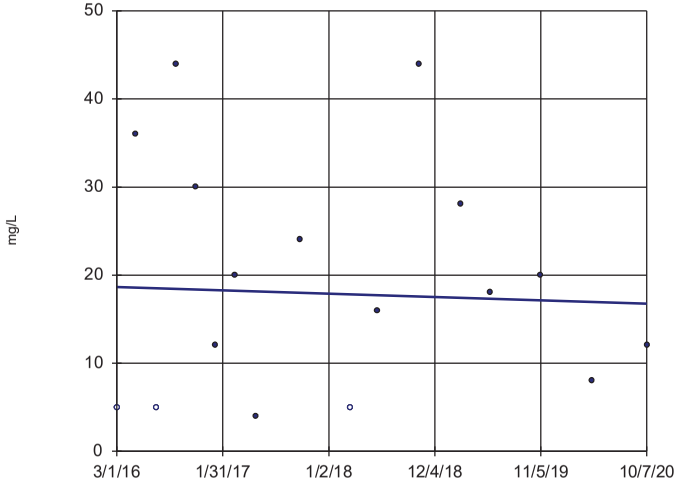
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 17

Slope = -0.4148 units per year.

Mann-Kendall statistic = -6
critical = -63

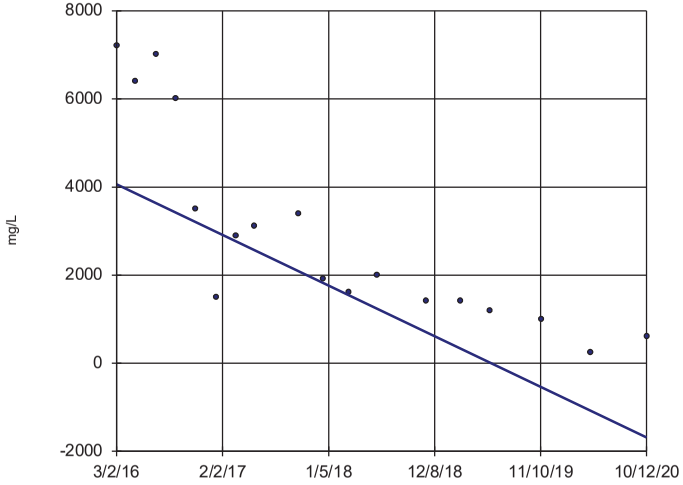
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-200



n = 18

Slope = -1244 units per year.

Mann-Kendall statistic = -126
critical = -68

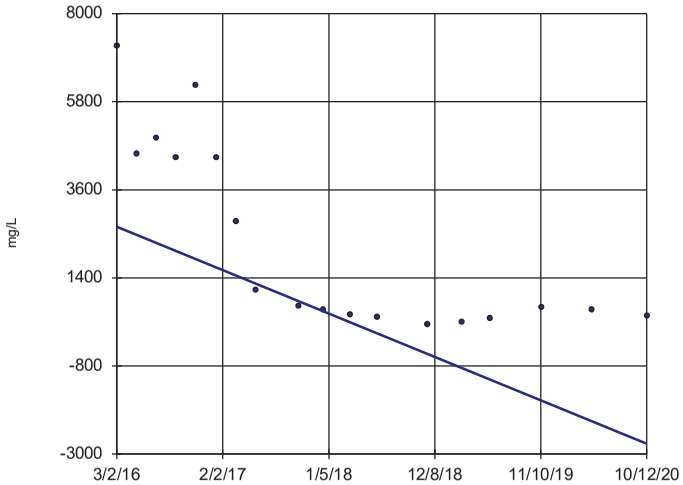
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-201



n = 18

Slope = -1174 units per year.

Mann-Kendall statistic = -106
critical = -68

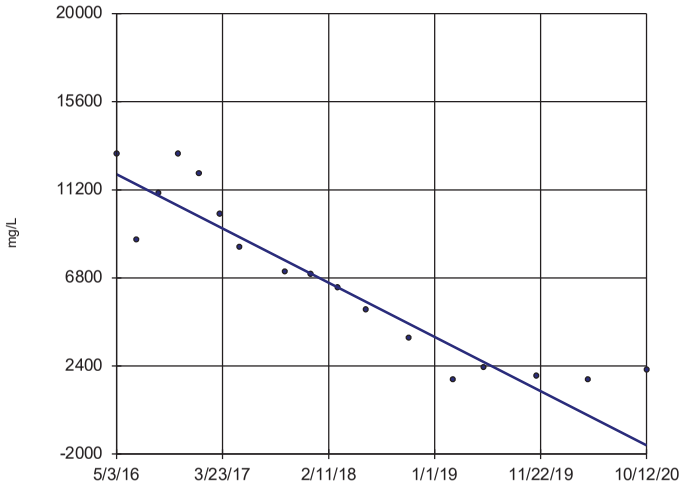
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-206



n = 17

Slope = -3045 units per year.

Mann-Kendall statistic = -112
critical = -63

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:21 PM View: Trend Tests 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

300 Series

Appendix III Trend Test Summary - 300 Series Wells - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/7/2021, 5:36 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	**MW-307 (bg)**	**-0.1486**	**-93**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-100 (bg)**	**0.3582**	**68**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	**MW-307 (bg)**	**-0.1302**	**-81**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-108 (bg)**	**0.4349**	**66**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-308**	**-29.44**	**-96**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Test Summary - 300 Series Wells - All Results

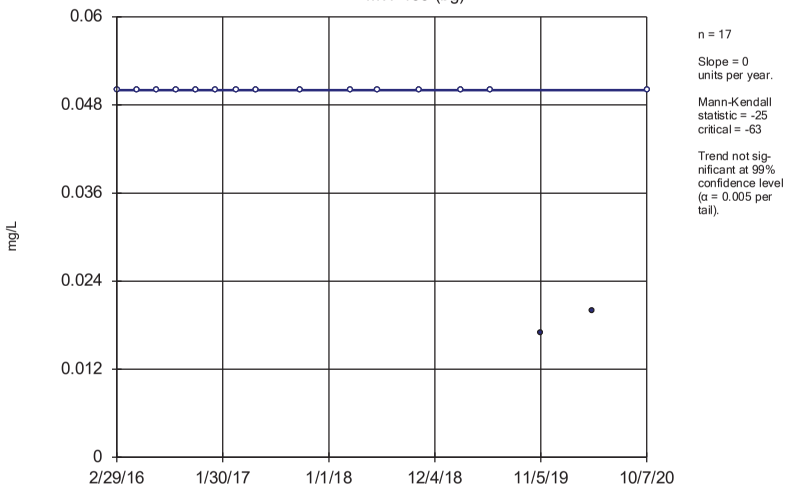
Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/7/2021, 5:36 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	MW-100 (bg)	0	-25	-63	No	17	88.24	n/a	n/a	0.01	NP
Boron (mg/L)	MW-101 (bg)	0	-19	-63	No	17	82.35	n/a	n/a	0.01	NP
Boron (mg/L)	MW-107 (bg)	0	-27	-63	No	17	88.24	n/a	n/a	0.01	NP
Boron (mg/L)	MW-108 (bg)	0	-25	-63	No	17	76.47	n/a	n/a	0.01	NP
Boron (mg/L)	MW-306 (bg)	0	-27	-63	No	17	88.24	n/a	n/a	0.01	NP
Boron (mg/L)	MW-307 (bg)	0	-27	-63	No	17	88.24	n/a	n/a	0.01	NP
Boron (mg/L)	MW-303	0.2033	21	68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	MW-304	0.2906	42	68	No	18	0	n/a	n/a	0.01	NP
Boron (mg/L)	MW-308	-0.5887	-47	-68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-100 (bg)	0.03825	45	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-101 (bg)	-0.01915	-34	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-107 (bg)	-0.03081	-42	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-108 (bg)	0.05435	42	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-306 (bg)	0	-1	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-307 (bg)**	**-0.1486**	**-93**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-303	4.701	43	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-304	-5.048	-32	-68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-308	-4.526	-53	-68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-100 (bg)**	**0.3582**	**68**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-101 (bg)	0.1902	51	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-107 (bg)	-0.05999	-20	-63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-108 (bg)	-0.2346	-60	-63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-306 (bg)	0.2214	60	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-307 (bg)	0.1289	41	63	No	17	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-300	0.04932	16	68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-303	10.45	39	68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-304	-5.59	-14	-68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-305	0.1367	27	68	No	18	5.556	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-308	2.332	4	68	No	18	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-100 (bg)	-0.02297	-20	-63	No	17	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-101 (bg)	-0.01946	-10	-63	No	17	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-107 (bg)	-0.009346	-3	-63	No	17	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-108 (bg)	0.0066	4	58	No	16	0	n/a	n/a	0.01	NP
Field pH (SU)	MW-306 (bg)	-0.01128	-14	-63	No	17	0	n/a	n/a	0.01	NP
Field pH (SU)	**MW-307 (bg)**	**-0.1302**	**-81**	**-63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Field pH (SU)	MW-304	0.111	51	68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-100 (bg)	0	5	58	No	16	93.75	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-101 (bg)	0	-11	-63	No	17	88.24	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-107 (bg)	0	6	63	No	17	94.12	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-108 (bg)**	**0.4349**	**66**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	MW-306 (bg)	0	0	63	No	17	94.12	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-307 (bg)	0	9	63	No	17	88.24	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-303	0	7	68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-304	-32.3	-32	-68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-308**	**-29.44**	**-96**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	MW-100 (bg)	3.611	29	63	No	17	23.53	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-101 (bg)	1.195	18	63	No	17	17.65	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-107 (bg)	0.4612	23	63	No	17	41.18	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-108 (bg)	0.4717	18	63	No	17	29.41	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-306 (bg)	2.695	37	63	No	17	29.41	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-307 (bg)	-0.4148	-6	-63	No	17	17.65	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-303	26.5	20	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-304	-68.03	-30	-68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-308	-38.1	-57	-68	No	18	0	n/a	n/a	0.01	NP

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -25
critical = -63

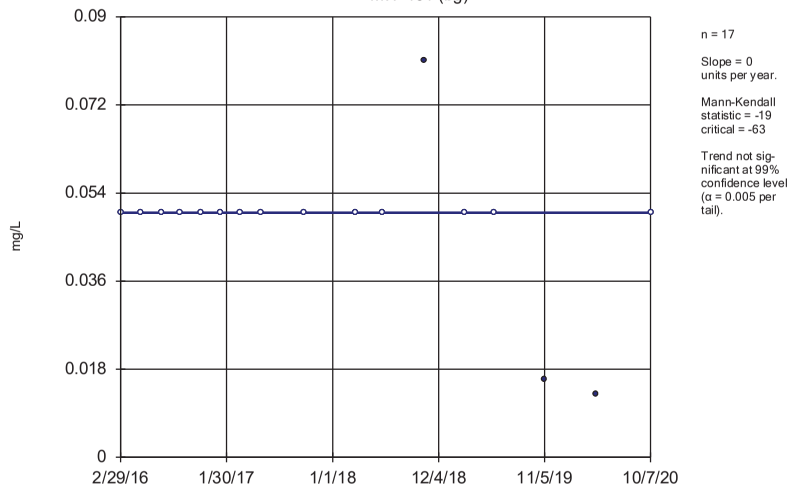
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -19
critical = -63

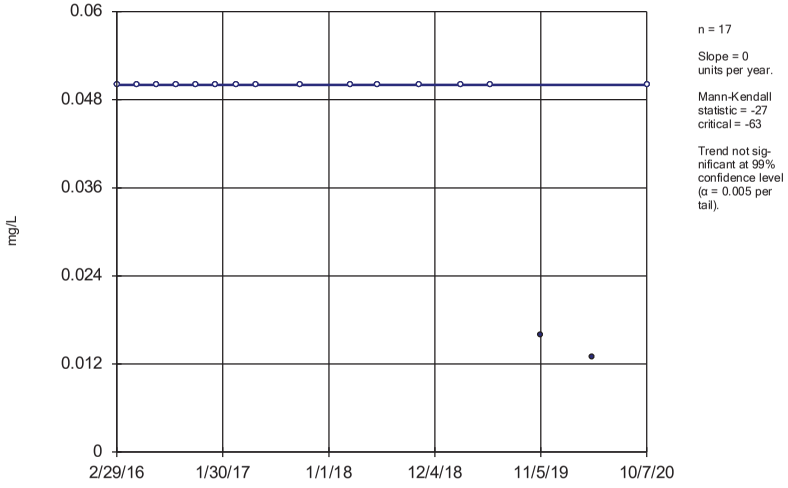
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -27
critical = -63

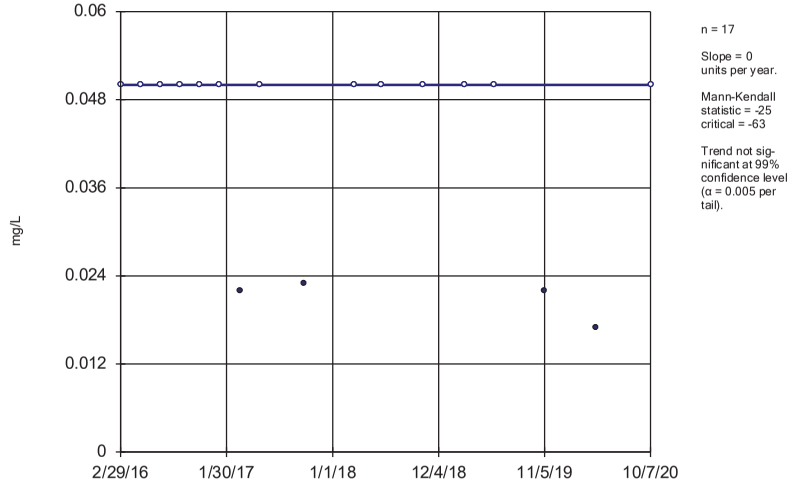
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -25
critical = -63

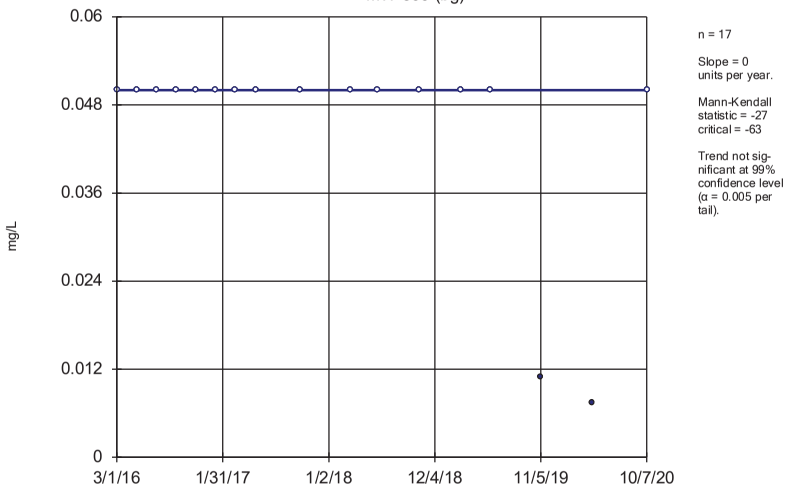
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -27
critical = -63

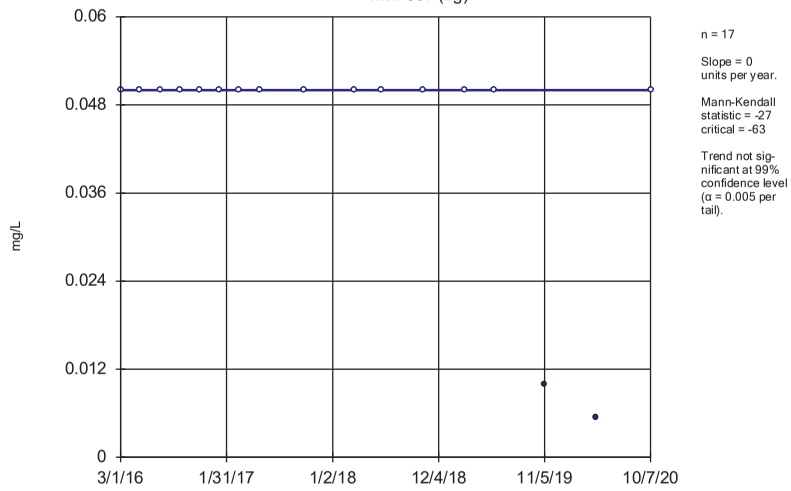
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -27
critical = -63

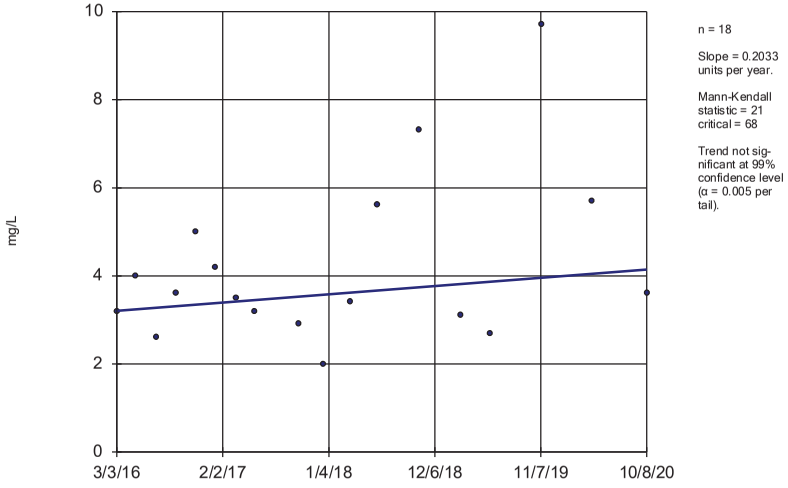
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-303



n = 18

Slope = 0.2033 units per year.

Mann-Kendall statistic = 21
critical = 68

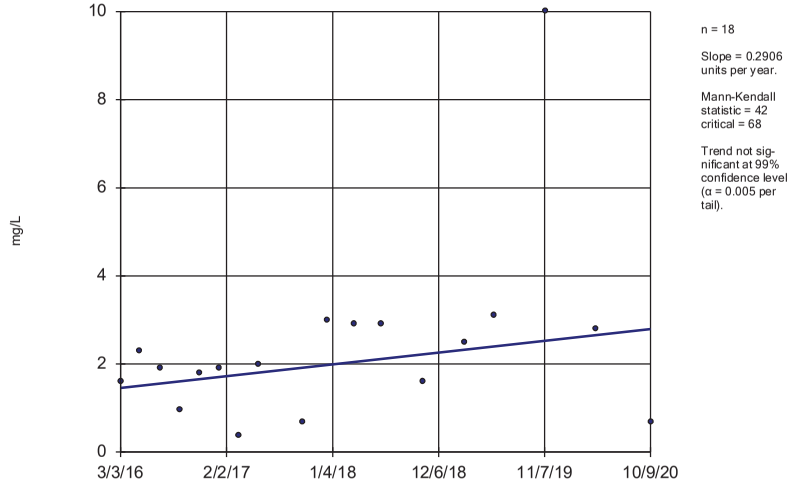
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-304



n = 18

Slope = 0.2906 units per year.

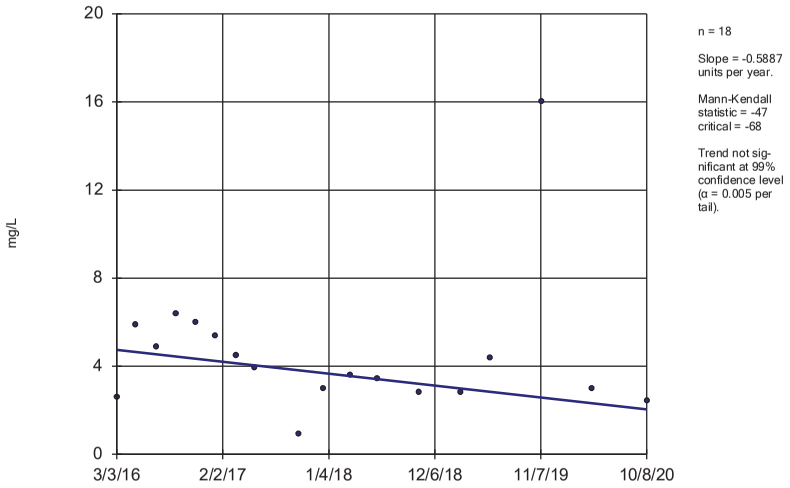
Mann-Kendall statistic = 42
critical = 68

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-308



n = 18

Slope = -0.5887 units per year.

Mann-Kendall statistic = -47
critical = -68

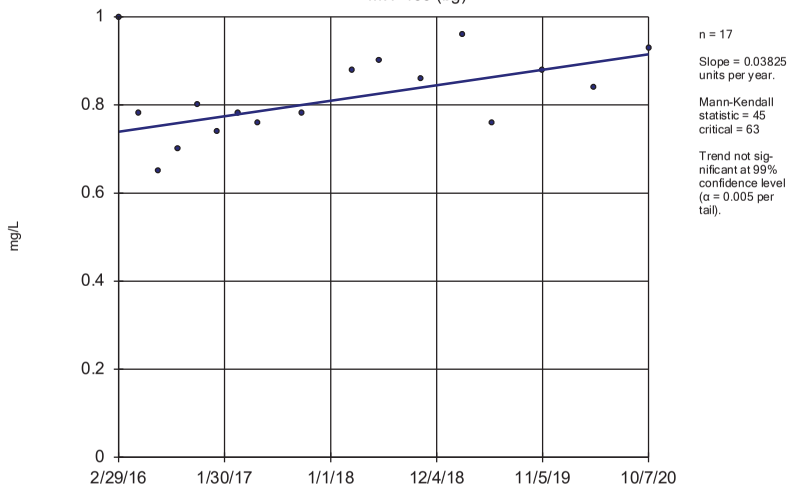
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-100 (bg)



n = 17

Slope = 0.03825 units per year.

Mann-Kendall statistic = 45
critical = 63

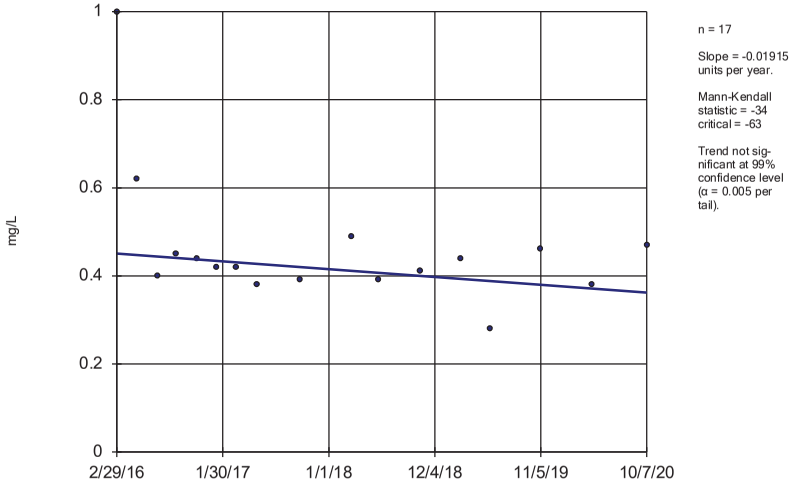
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-101 (bg)



n = 17

Slope = -0.01915 units per year.

Mann-Kendall statistic = -34
critical = -63

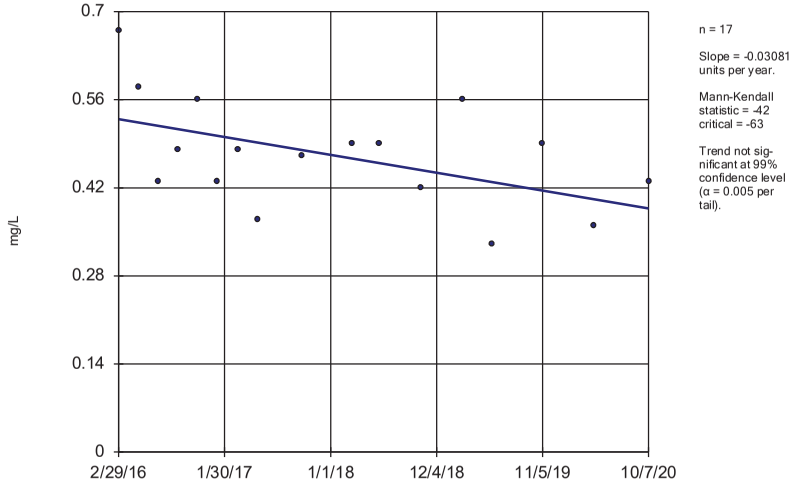
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-107 (bg)



n = 17

Slope = -0.03081 units per year.

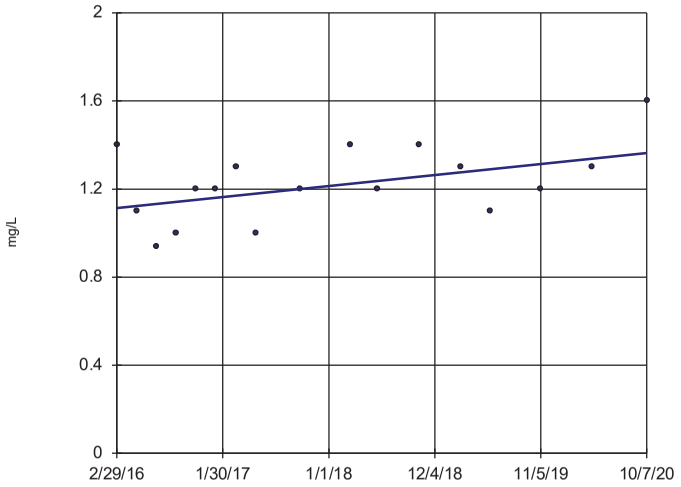
Mann-Kendall statistic = -42
critical = -63

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-108 (bg)



n = 17

Slope = 0.05435 units per year.

Mann-Kendall statistic = 42
critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

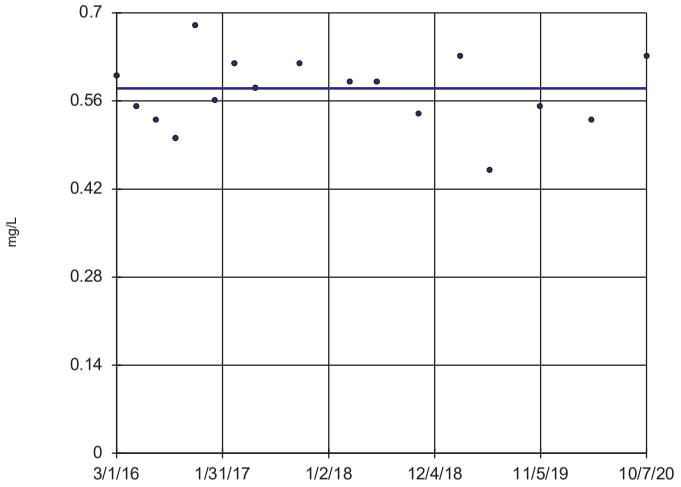
Constituent: Calcium Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-306 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -1
critical = -63

Trend not significant at 99% confidence level (α = 0.005 per tail).

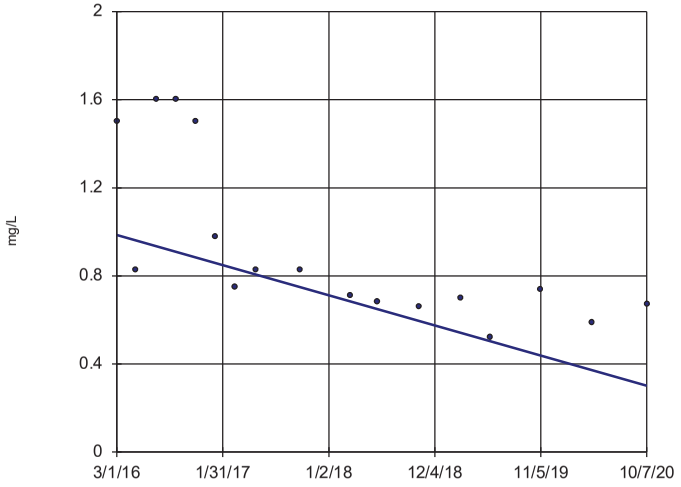
Constituent: Calcium Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-307 (bg)



n = 17

Slope = -0.1486 units per year.

Mann-Kendall statistic = -93
critical = -63

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

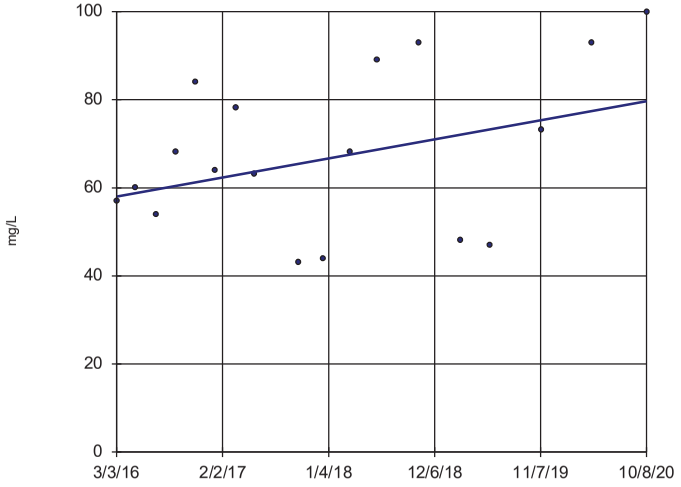
Constituent: Calcium Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-303



n = 18

Slope = 4.701 units per year.

Mann-Kendall statistic = 43
critical = 68

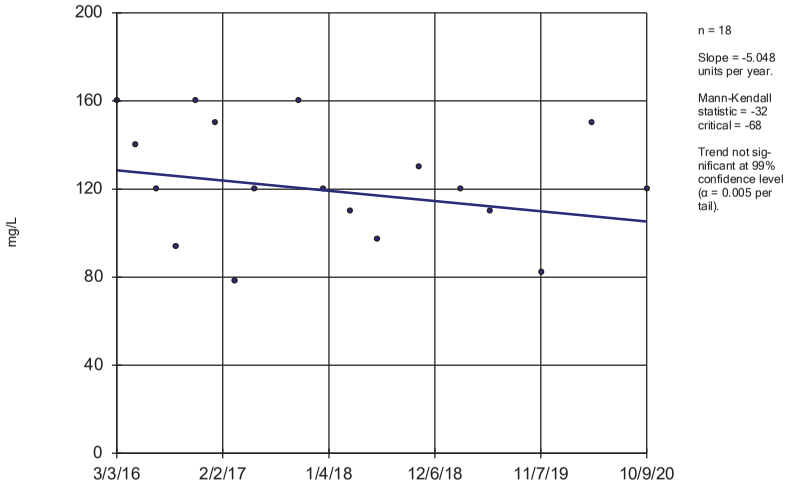
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-304



n = 18

Slope = -5.048 units per year.

Mann-Kendall statistic = -32
critical = -68

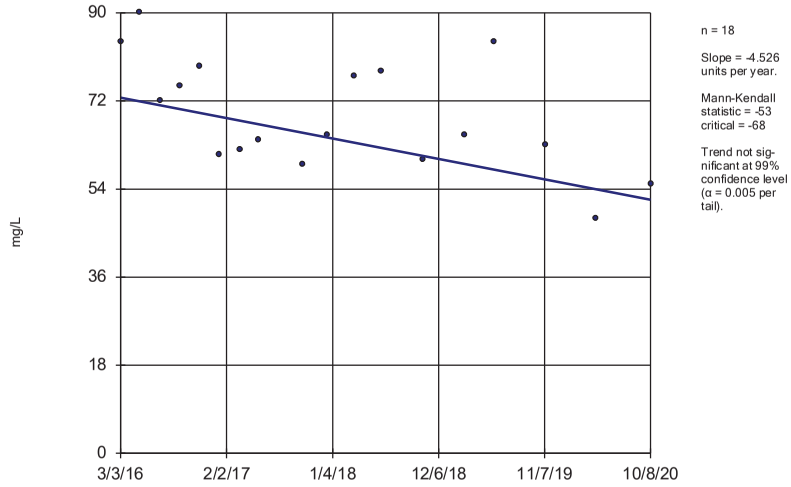
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-308



n = 18

Slope = -4.526 units per year.

Mann-Kendall statistic = -53
critical = -68

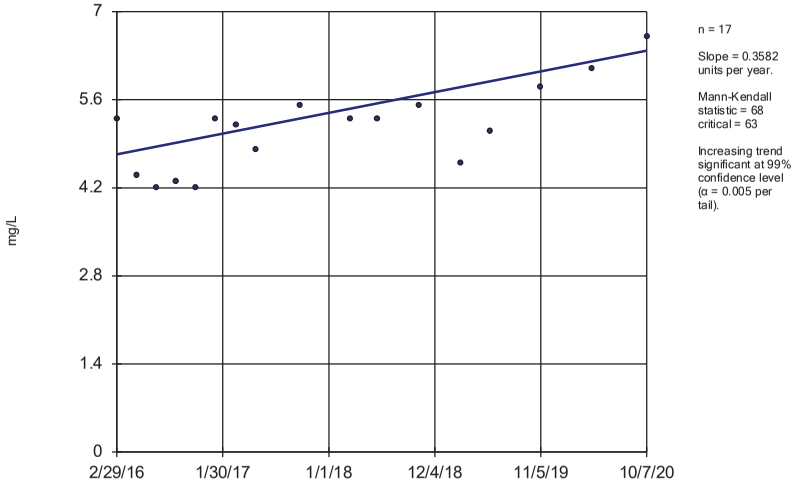
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-100 (bg)



n = 17

Slope = 0.3582 units per year.

Mann-Kendall statistic = 68
critical = 63

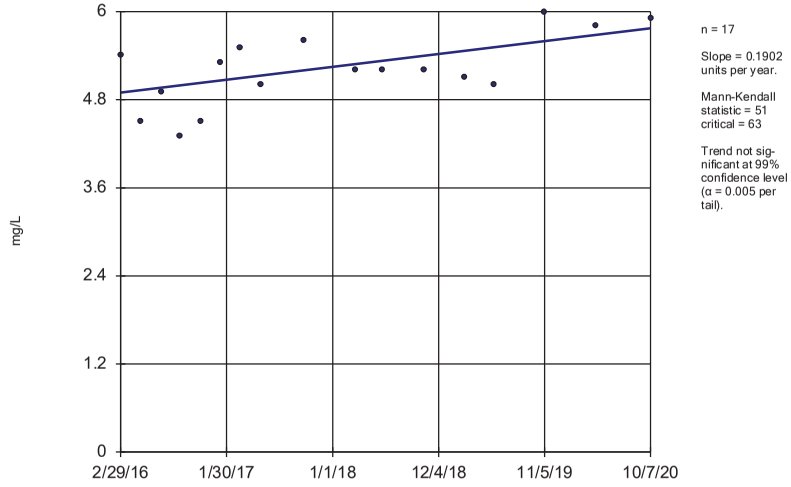
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-101 (bg)



n = 17

Slope = 0.1902 units per year.

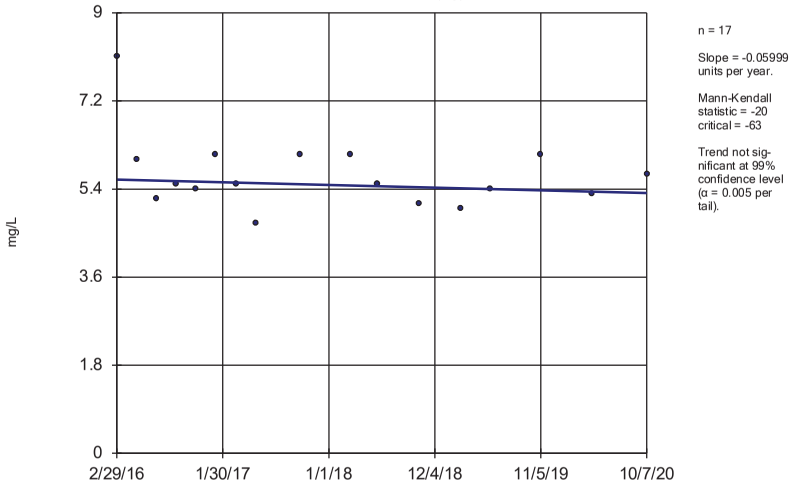
Mann-Kendall statistic = 51
critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-107 (bg)



n = 17

Slope = -0.05999 units per year.

Mann-Kendall statistic = -20
critical = -63

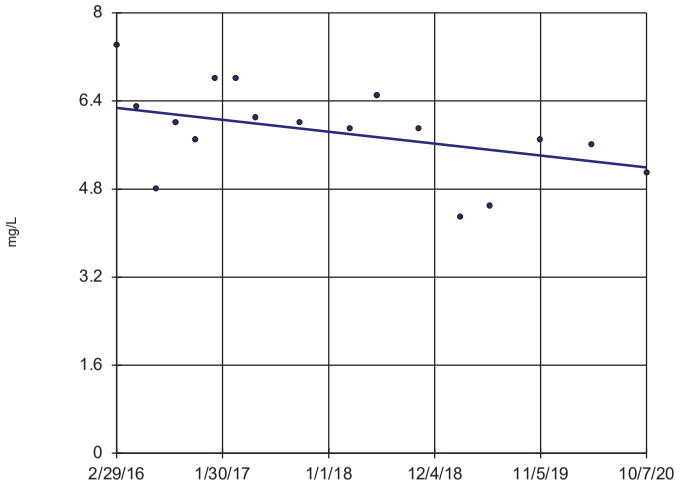
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-108 (bg)



n = 17

Slope = -0.2346 units per year.

Mann-Kendall statistic = -60
critical = -63

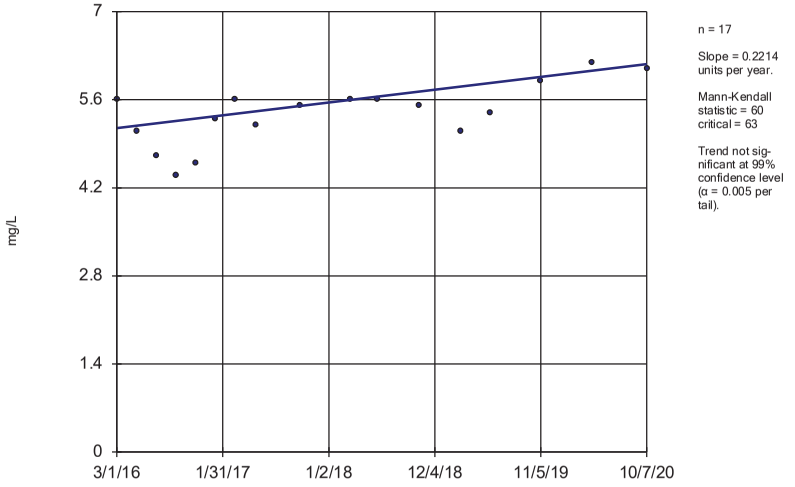
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-306 (bg)



n = 17

Slope = 0.2214 units per year.

Mann-Kendall statistic = 60
critical = 63

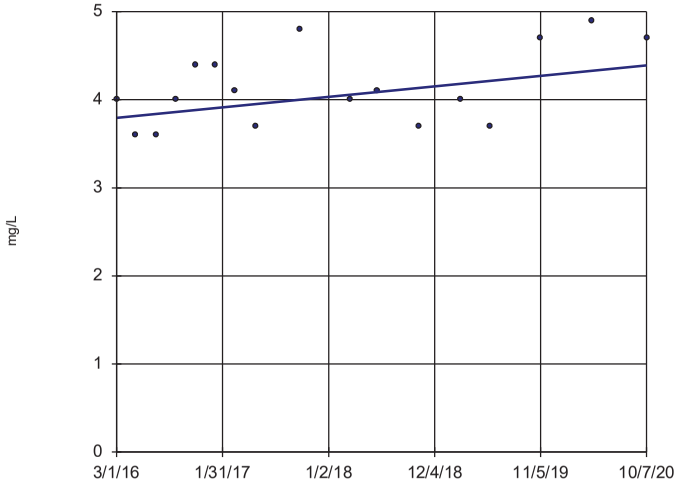
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-307 (bg)



n = 17

Slope = 0.1289 units per year.

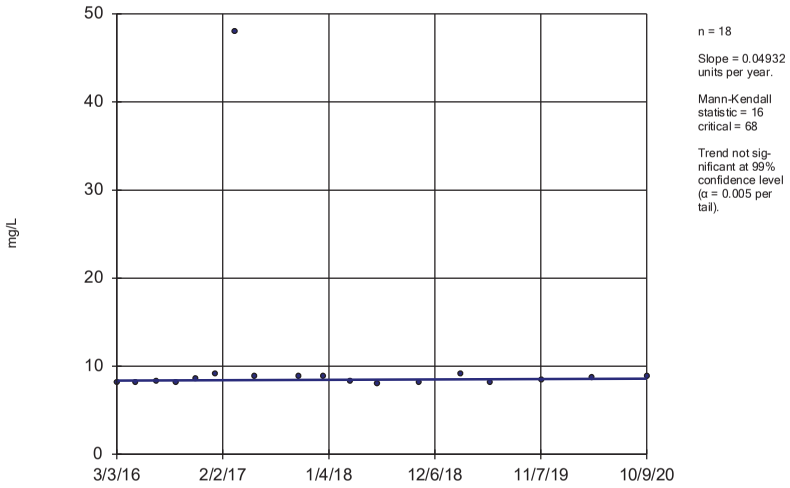
Mann-Kendall statistic = 41
critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-300



n = 18

Slope = 0.04932 units per year.

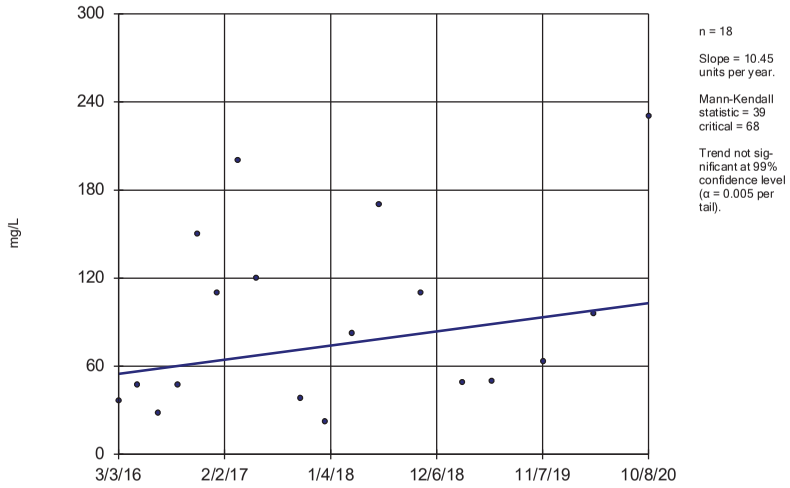
Mann-Kendall statistic = 16
critical = 68

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-303



n = 18

Slope = 10.45 units per year.

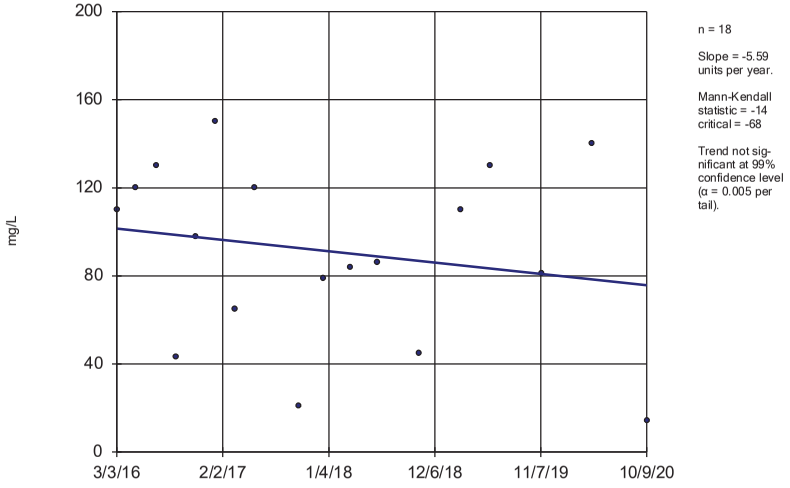
Mann-Kendall statistic = 39
critical = 68

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-304



n = 18

Slope = -5.59 units per year.

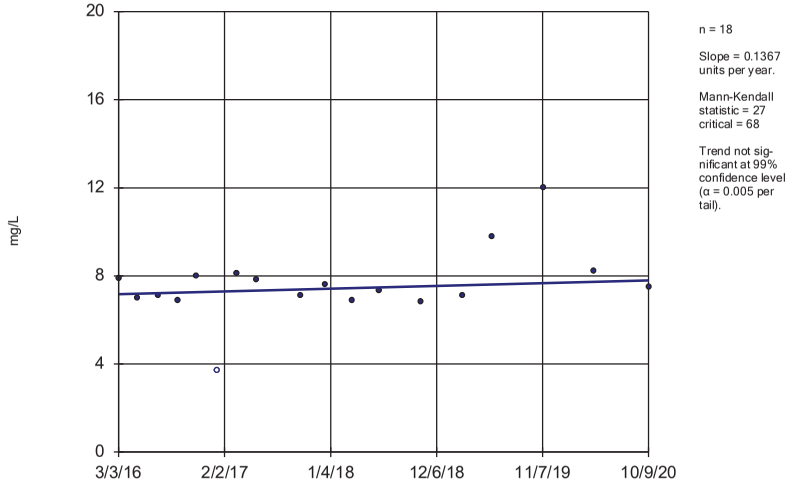
Mann-Kendall statistic = -14
critical = -68

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-305



n = 18

Slope = 0.1367 units per year.

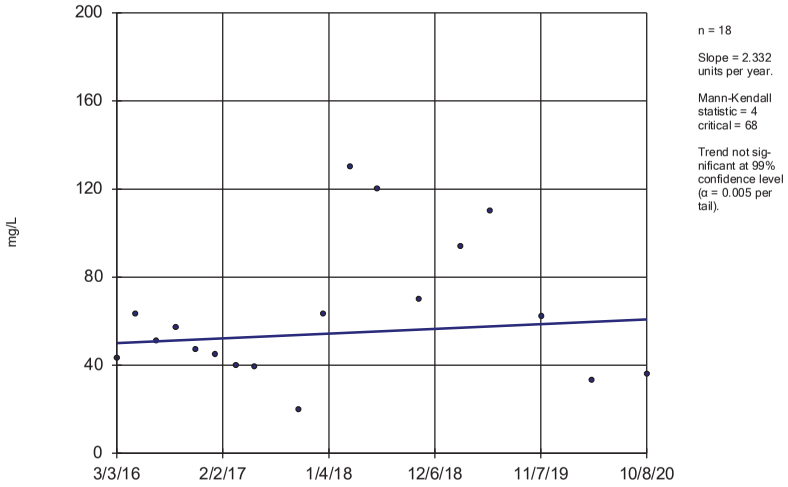
Mann-Kendall statistic = 27
critical = 68

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-308



n = 18

Slope = 2.332 units per year.

Mann-Kendall statistic = 4
critical = 68

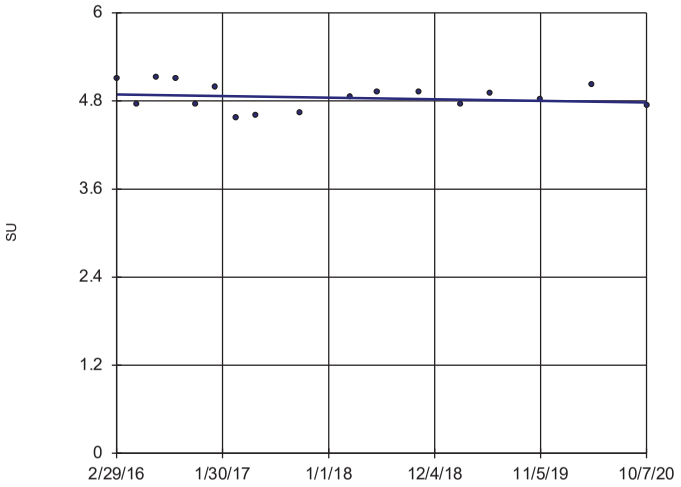
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-100 (bg)



n = 17

Slope = -0.02297 units per year.

Mann-Kendall statistic = -20
critical = -63

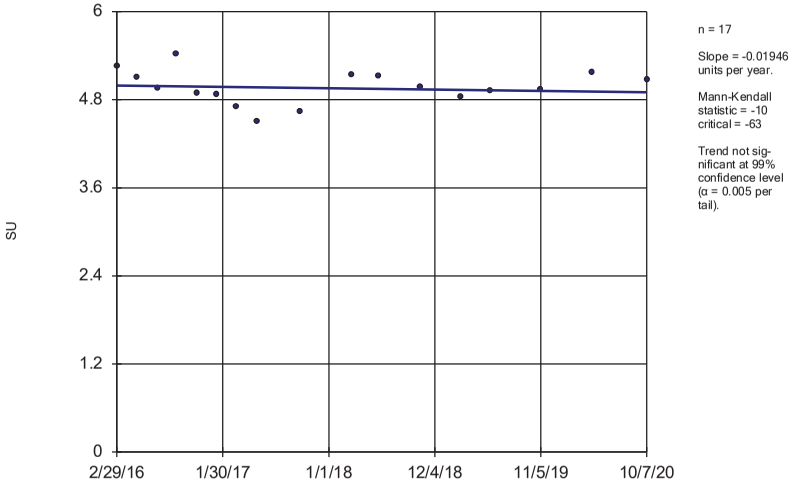
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-101 (bg)



n = 17

Slope = -0.01946 units per year.

Mann-Kendall statistic = -10
critical = -63

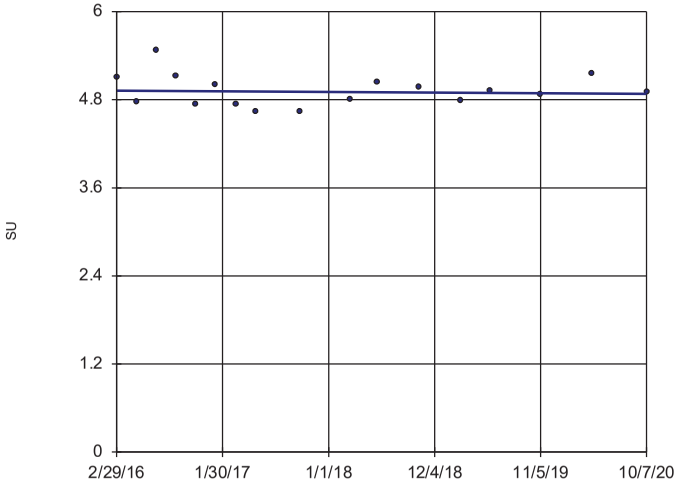
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-107 (bg)



n = 17

Slope = -0.009346 units per year.

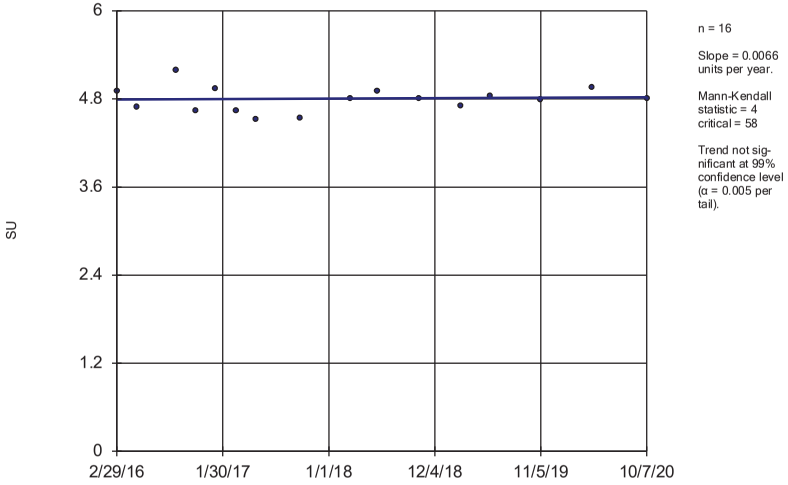
Mann-Kendall statistic = -3
critical = -63

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-108 (bg)



n = 16

Slope = 0.0066 units per year.

Mann-Kendall statistic = 4
critical = 58

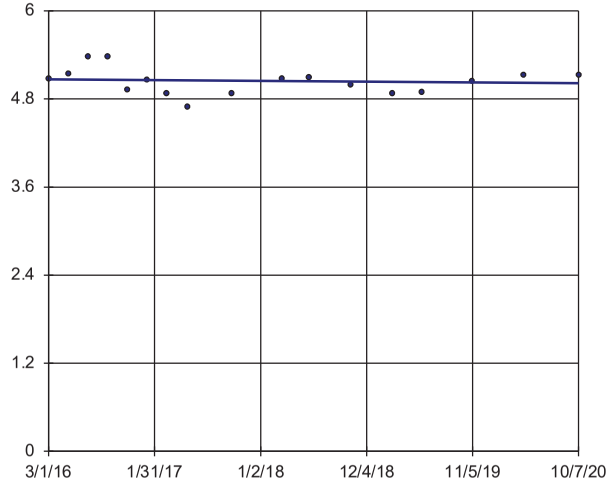
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-306 (bg)



n = 17

Slope = -0.01128 units per year.

Mann-Kendall statistic = -14
critical = -63

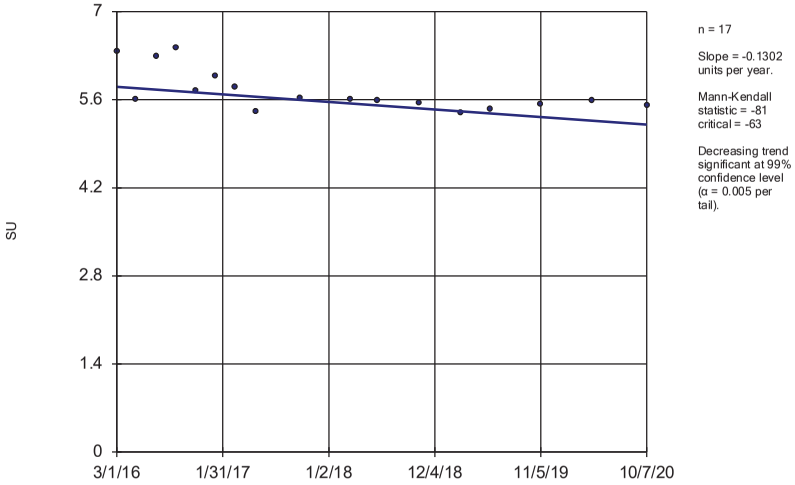
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-307 (bg)



n = 17

Slope = -0.1302 units per year.

Mann-Kendall statistic = -81
critical = -63

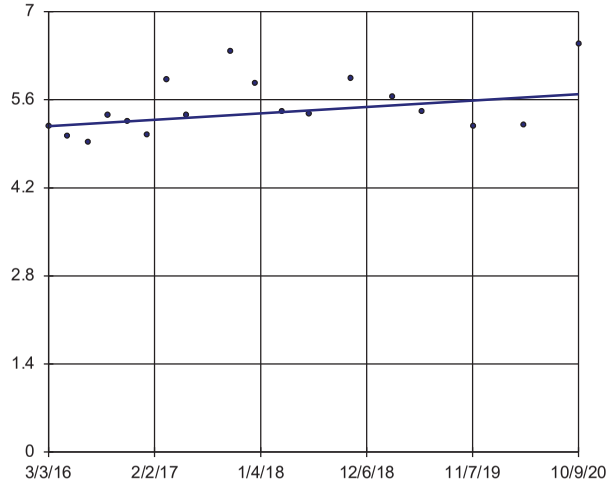
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-304



n = 18

Slope = 0.111 units per year.

Mann-Kendall statistic = 51
critical = 68

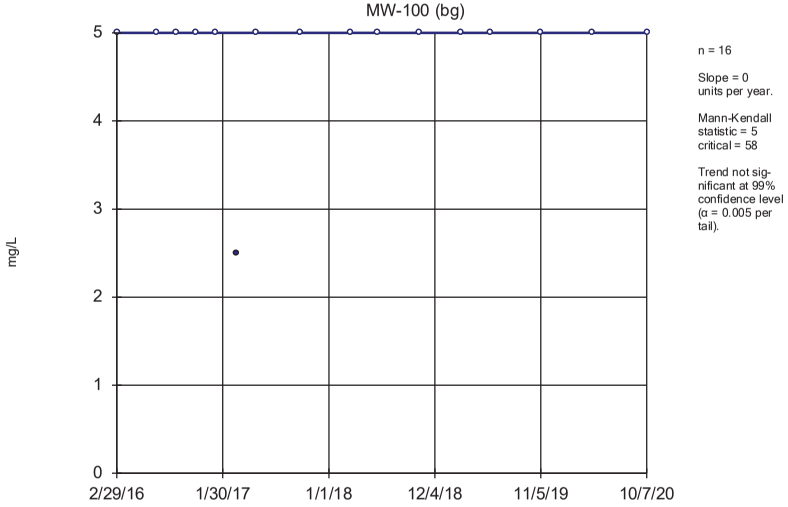
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Field pH Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 5
critical = 58

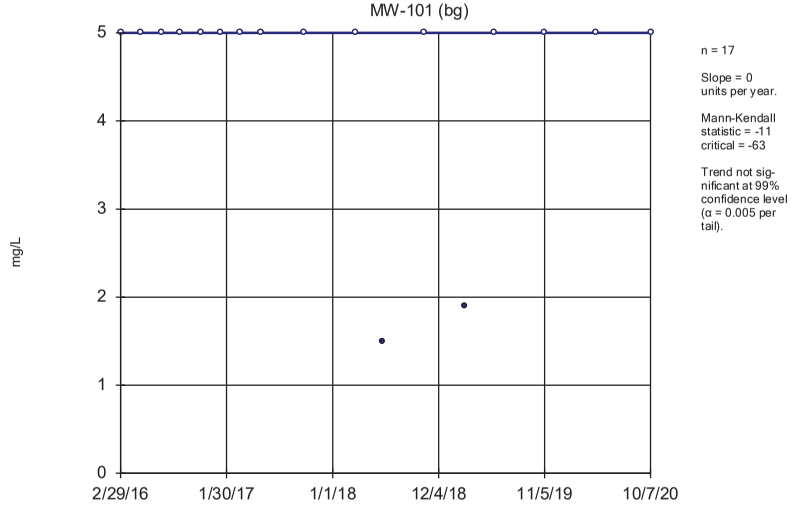
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -11
critical = -63

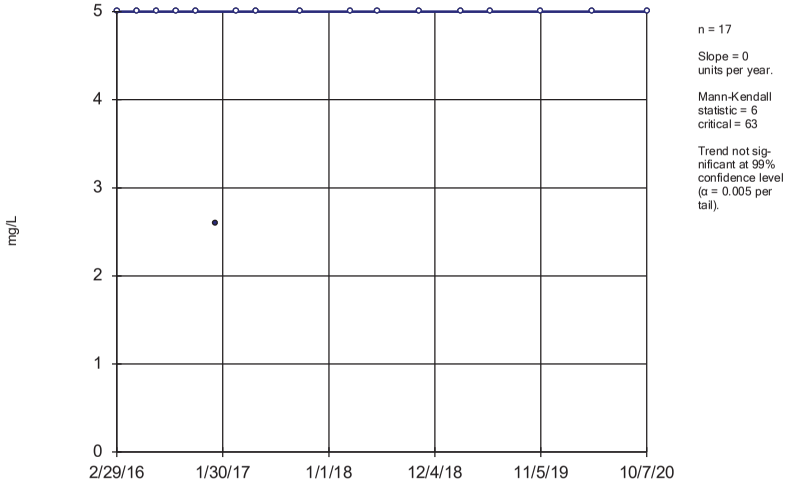
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = 6
critical = 63

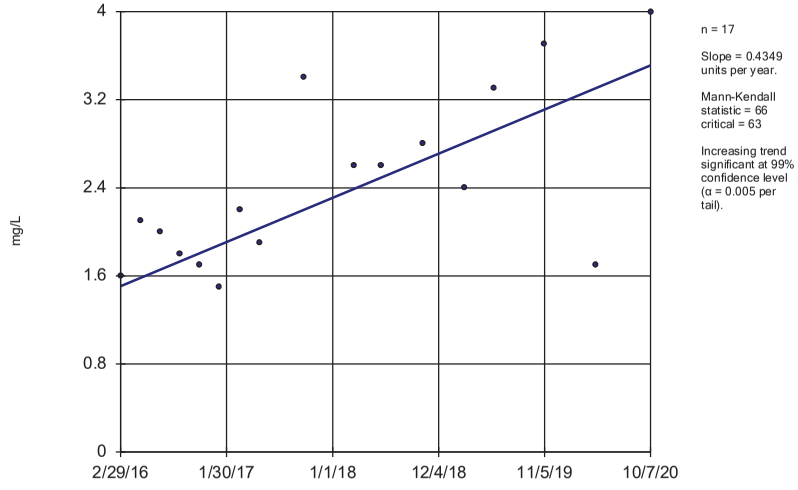
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-108 (bg)



n = 17

Slope = 0.4349 units per year.

Mann-Kendall statistic = 66
critical = 63

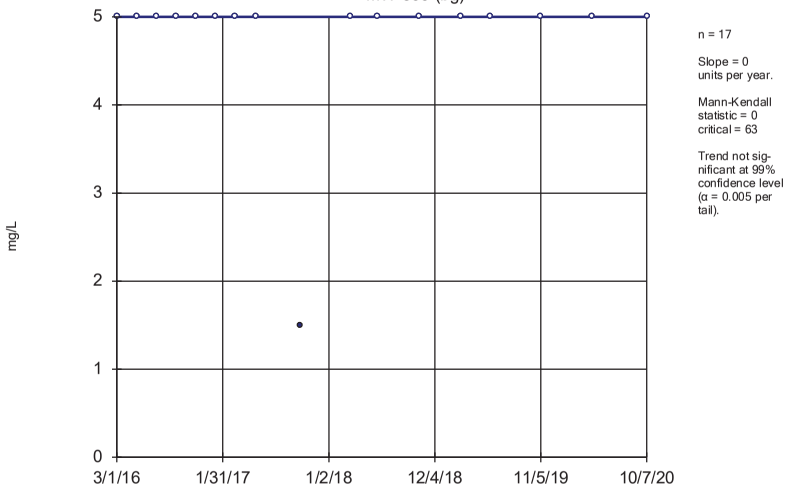
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 63

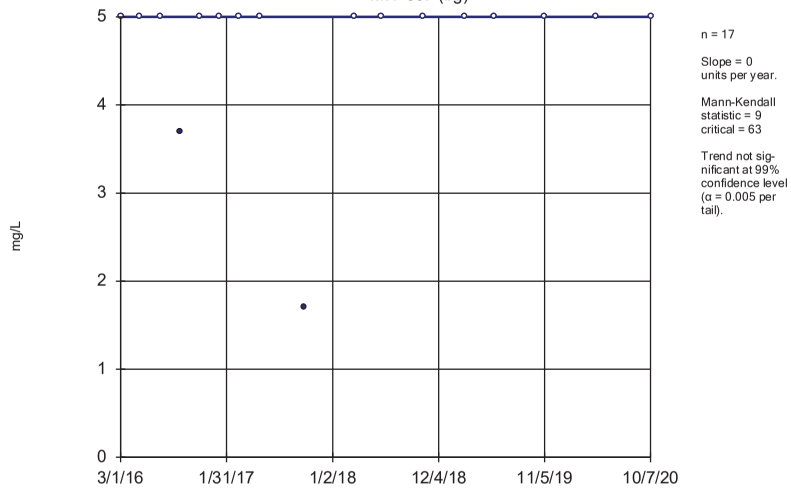
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = 9
critical = 63

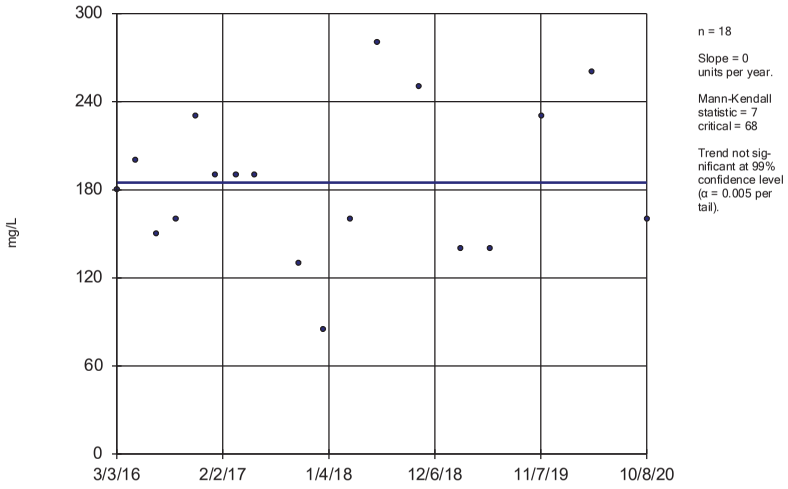
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-303



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 7
critical = 68

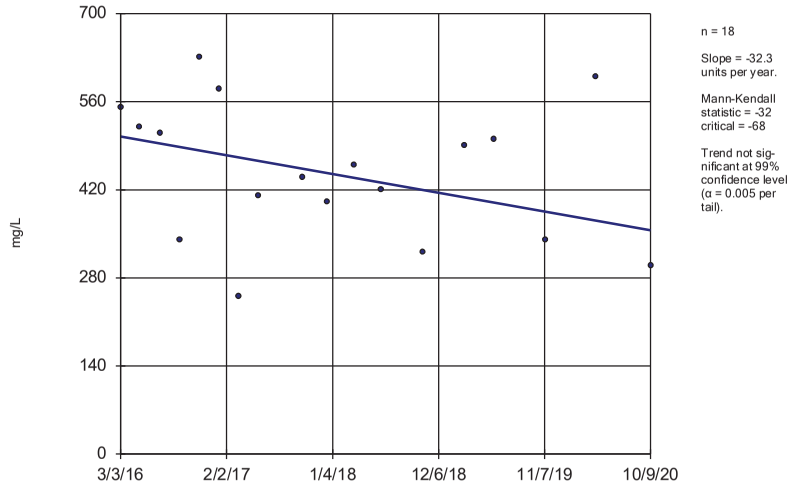
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-304



n = 18

Slope = -32.3 units per year.

Mann-Kendall statistic = -32
critical = -68

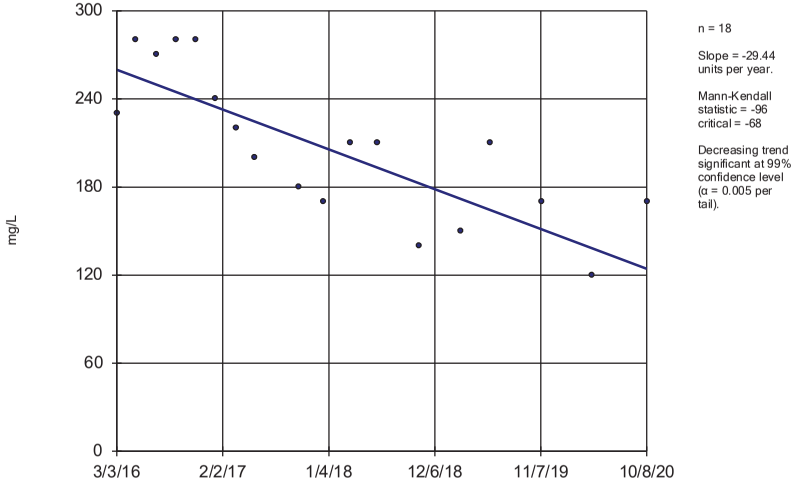
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-308



Constituent: Sulfate Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series

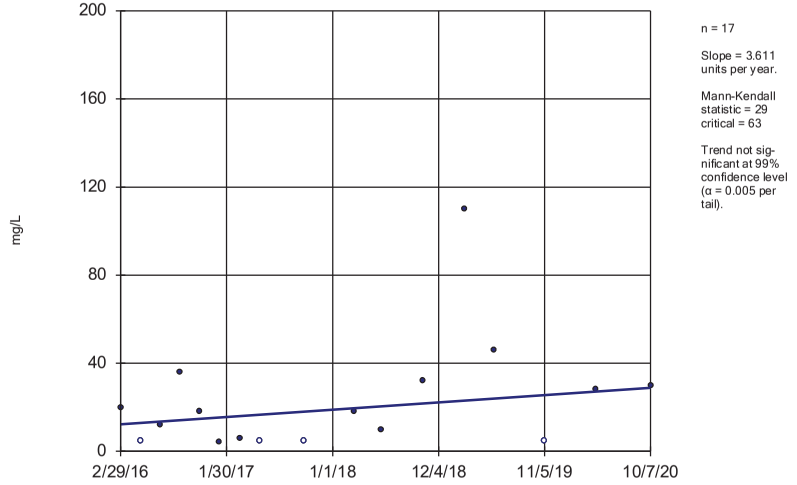
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-100 (bg)



Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series

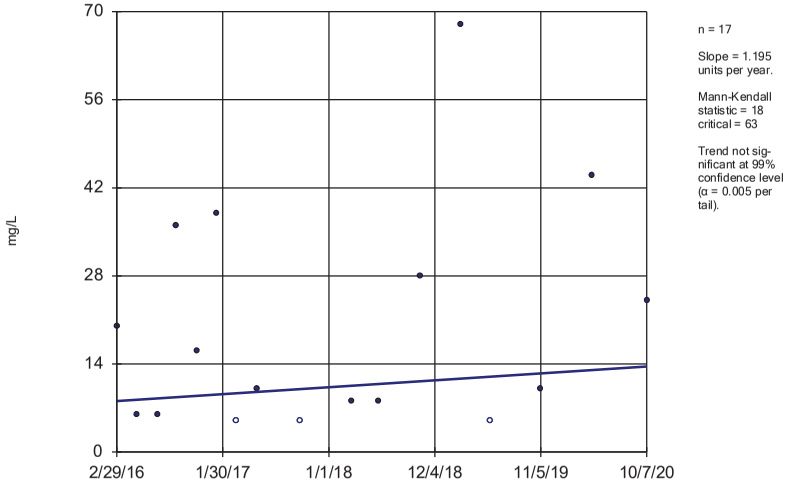
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-101 (bg)



Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series

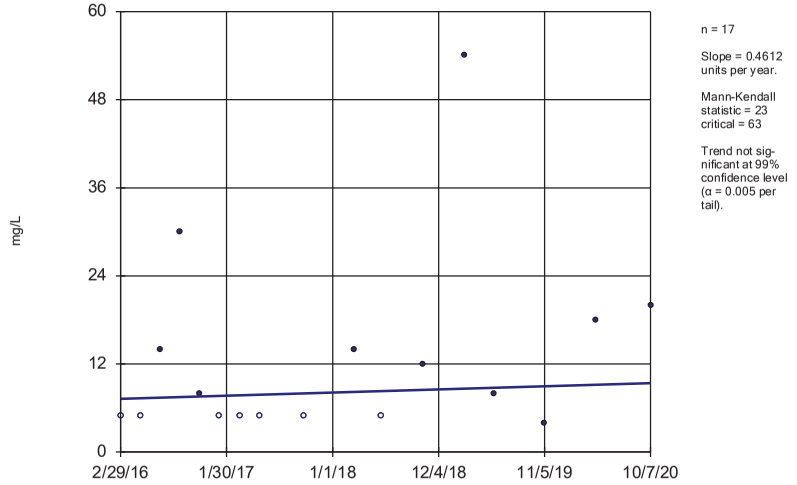
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-107 (bg)



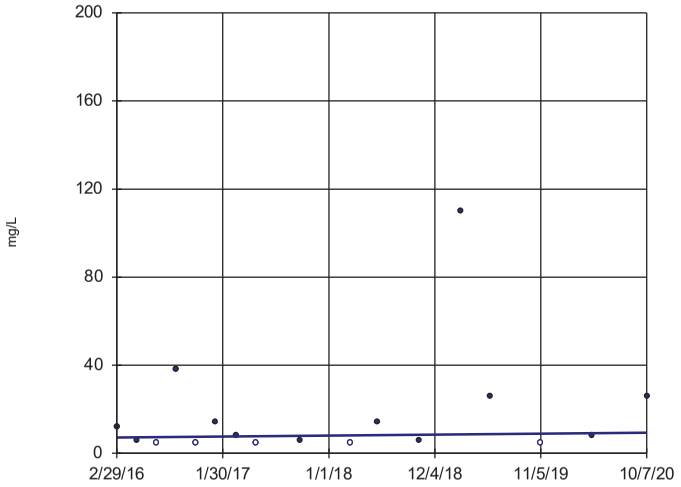
Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-108 (bg)



n = 17

Slope = 0.4717 units per year.

Mann-Kendall statistic = 18
critical = 63

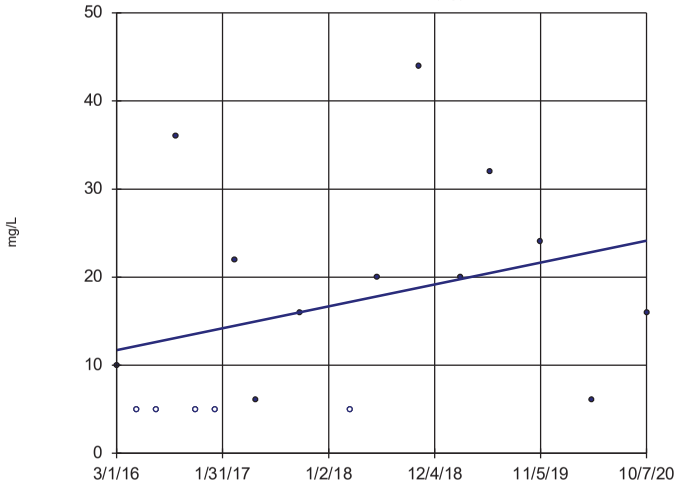
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-306 (bg)



n = 17

Slope = 2.695 units per year.

Mann-Kendall statistic = 37
critical = 63

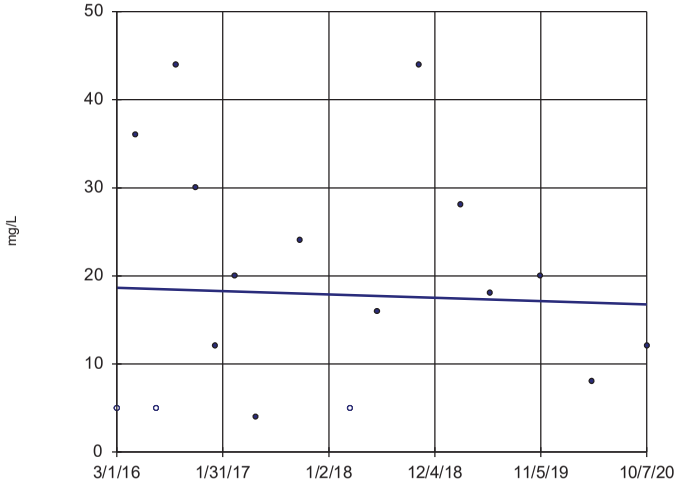
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-307 (bg)



n = 17

Slope = -0.4148 units per year.

Mann-Kendall statistic = -6
critical = -63

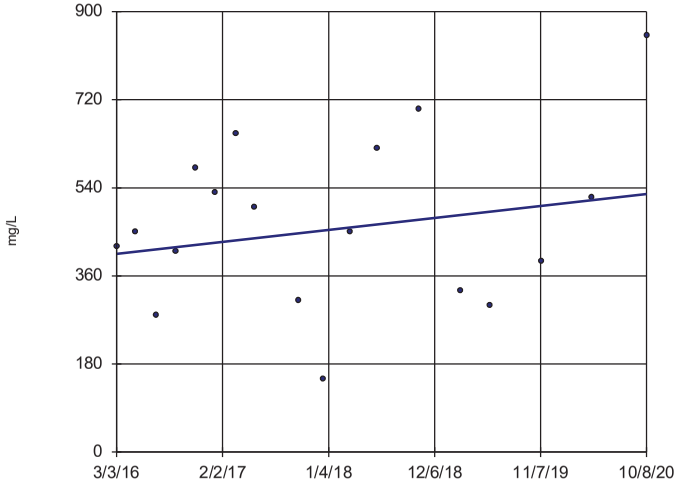
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-303



n = 18

Slope = 26.5 units per year.

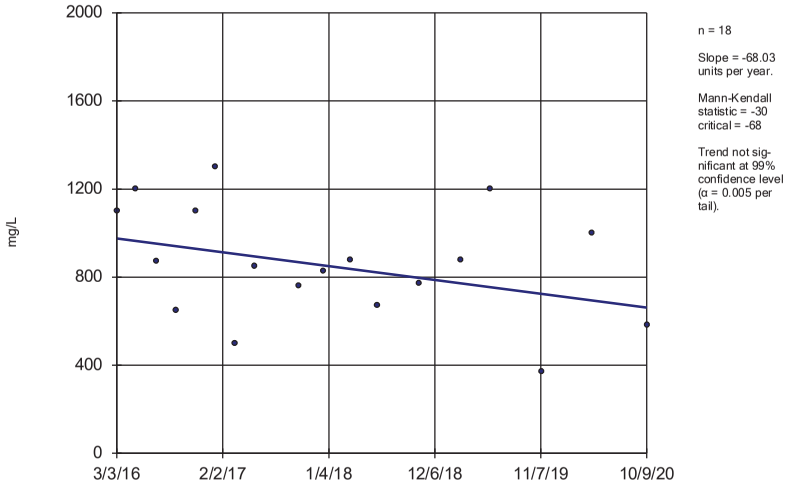
Mann-Kendall statistic = 20
critical = 68

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sen's Slope Estimator

MW-304



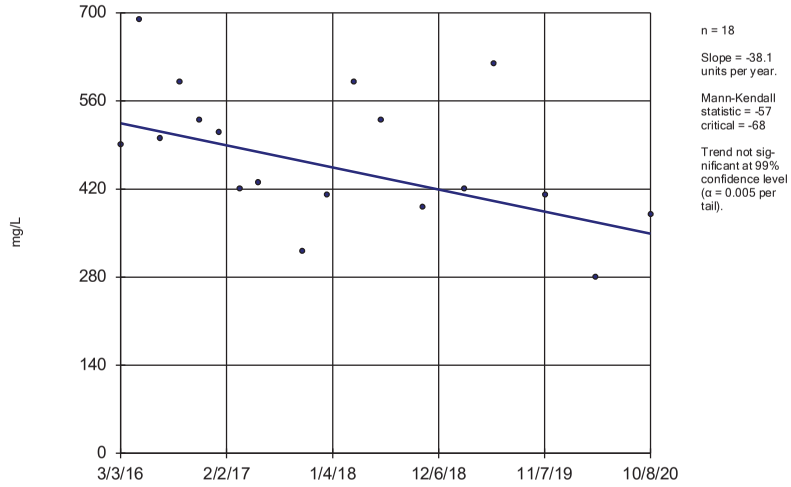
Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:34 PM View: Trend Tests - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-308



Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:35 PM View: Trend Tests - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Confidence Intervals - 100, 200 & 300 Series

100 Series

Confidence Interval Summary Table - 100 Series - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/12/2021, 4:35 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	**MW-104**	**0.02119**	**0.01418**	**0.006**	**Yes**	**16**	**0.01769**	**0.005388**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-104**	**18.25**	**12.73**	**5**	**Yes**	**16**	**15.49**	**4.237**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-110**	**7.31**	**5.53**	**5**	**Yes**	**16**	**6.42**	**1.368**	**0**	**None**	**No**	**0.01**	**Param.**
Mercury (mg/L)	**MW-110**	**0.006042**	**0.003613**	**0.002**	**Yes**	**16**	**0.004828**	**0.001867**	**0**	**None**	**No**	**0.01**	**Param.**

Confidence Interval Summary Table - 100 Series - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/12/2021, 4:35 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-102	0.0025	0.0025	0.006	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-103	0.0025	0.0025	0.006	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-104	0.0025	0.0025	0.006	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-105	0.0025	0.0025	0.006	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-106	0.0025	0.0025	0.006	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-109	0.0025	0.0025	0.006	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-110	0.0025	0.0025	0.006	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-102	0.0013	0.0005	0.01	No	16	0.00125	0.0002	93.75	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-103	0.0021	0.00051	0.01	No	16	0.001231	0.0004017	81.25	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-104	0.007459	0.002914	0.01	No	16	0.005187	0.003493	6.25	None	No	0.01	Param.
Arsenic (mg/L)	MW-105	0.00442	0.003655	0.01	No	16	0.004038	0.0005875	0	None	No	0.01	Param.
Arsenic (mg/L)	MW-106	0.0013	0.0013	0.01	No	16	0.0013	0	100	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-109	0.0013	0.00025	0.01	No	16	0.001234	0.0002625	93.75	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-110	0.0013	0.00047	0.01	No	16	0.0009169	0.0004641	56.25	None	No	0.01	NP (normality)
Barium (mg/L)	MW-102	0.012	0.0085	2	No	16	0.009963	0.001485	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-103	0.06114	0.04534	2	No	16	0.05194	0.01459	0	None	x^2	0.01	Param.
Barium (mg/L)	MW-104	0.02554	0.01996	2	No	16	0.02275	0.004282	0	None	No	0.01	Param.
Barium (mg/L)	MW-105	0.04818	0.03695	2	No	16	0.04256	0.008633	0	None	No	0.01	Param.
Barium (mg/L)	MW-106	0.012	0.0096	2	No	16	0.01094	0.002031	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-109	0.02193	0.01807	2	No	16	0.02	0.002966	0	None	No	0.01	Param.
Barium (mg/L)	MW-110	0.04674	0.03513	2	No	16	0.04094	0.008925	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-102	0.0025	0.00011	0.004	No	16	0.002351	0.0005975	93.75	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-103	0.0025	0.0025	0.004	No	16	0.0025	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-104	0.0012	0.000776	0.004	No	16	0.0009881	0.0003261	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-105	0.0025	0.0025	0.004	No	16	0.0025	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-106	0.0025	0.0025	0.004	No	16	0.0025	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-109	0.0025	0.000044	0.004	No	16	0.002346	0.000614	93.75	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-110	0.0025	0.00013	0.004	No	16	0.002201	0.0008174	87.5	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-102	0.0025	0.0025	0.005	No	16	0.0025	0	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-103	0.0025	0.0025	0.005	No	16	0.0025	0	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-104	0.0025	0.00044	0.005	No	16	0.001502	0.001034	50	None	No	0.01	NP (normality)
Cadmium (mg/L)	MW-105	0.0025	0.0025	0.005	No	16	0.0025	0	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-106	0.0025	0.0025	0.005	No	16	0.0025	0	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-109	0.0025	0.000078	0.005	No	16	0.002349	0.0006055	93.75	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-110	0.0025	0.00032	0.005	No	16	0.002214	0.0007814	87.5	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-102	0.0028	0.00037	0.1	No	16	0.002386	0.0005427	87.5	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-103	0.0052	0.0011	0.1	No	16	0.002302	0.001113	75	None	No	0.01	NP (normality)
Chromium (mg/L)	MW-104	0.002554	0.001806	0.1	No	16	0.002112	0.0004911	18.75	Cohen`s	No	0.01	Param.
Chromium (mg/L)	MW-105	0.0028	0.002	0.1	No	16	0.002406	0.0003415	6.25	None	No	0.01	NP (normality)
Chromium (mg/L)	MW-106	0.0025	0.0019	0.1	No	16	0.002462	0.00015	93.75	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-109	0.0025	0.0025	0.1	No	16	0.0025	0	100	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-110	0.0025	0.0016	0.1	No	16	0.002182	0.0007273	81.25	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-102	0.0025	0.00023	0.006	No	16	0.002212	0.0007874	87.5	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-103	0.0025	0.00041	0.006	No	16	0.001741	0.001028	62.5	None	No	0.01	NP (normality)
Cobalt (mg/L)	**MW-104**	**0.02119**	**0.01418**	**0.006**	**Yes**	**16**	**0.01769**	**0.005388**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	MW-105	0.0025	0.00087	0.006	No	16	0.002265	0.0006486	87.5	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-106	0.0025	0.0004	0.006	No	16	0.001039	0.0008846	25	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-109	0.00634	0.003691	0.006	No	16	0.005016	0.002036	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-110	0.019	0.0047	0.006	No	16	0.009956	0.006677	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	MW-102	1.822	1.186	5	No	16	1.534	0.5428	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-103	6.971	4.897	5	No	16	5.934	1.594	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**MW-104**	**18.25**	**12.73**	**5**	**Yes**	**16**	**15.49**	**4.237**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	MW-105	4.304	2.635	5	No	16	3.531	1.35	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-106	1.276	0.7164	5	No	16	1.02	0.4806	6.25	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-109	2.581	1.554	5	No	16	2.068	0.7896	0	None	No	0.01	Param.

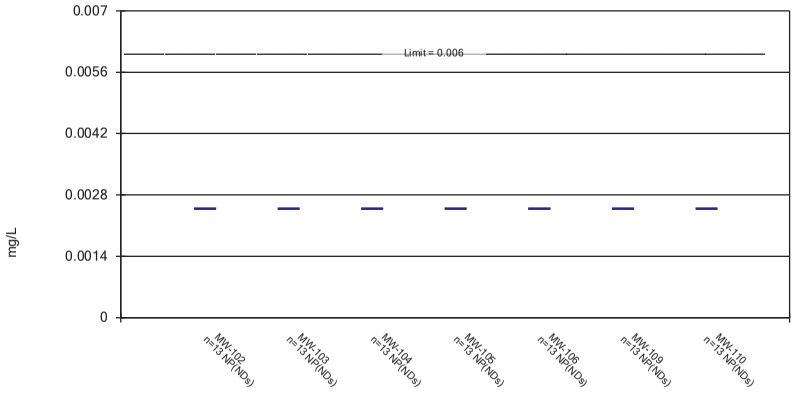
Confidence Interval Summary Table - 100 Series - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/12/2021, 4:35 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-110**	**7.31**	**5.53**	**5**	**Yes**	**16**	**6.42**	**1.368**	**0**	**None**	**No**	**0.01**	**Param.**
Fluoride (mg/L)	MW-102	0.1	0.1	4	No	17	0.1	0	100	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-103	0.24	0.037	4	No	17	0.1045	0.0381	88.24	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-104	0.3547	0.2431	4	No	18	0.2989	0.09222	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-105	0.1	0.04	4	No	17	0.08241	0.02809	70.59	None	No	0.01	NP (normality)
Fluoride (mg/L)	MW-106	0.1	0.1	4	No	17	0.1	0	100	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-109	0.1	0.1	4	No	17	0.1	0	100	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-110	0.1	0.04	4	No	17	0.07876	0.02964	64.71	None	No	0.01	NP (normality)
Lead (mg/L)	MW-102	0.0013	0.00018	0.015	No	16	0.001158	0.0003895	87.5	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-103	0.0013	0.00011	0.015	No	16	0.001226	0.0002975	93.75	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-104	0.0024	0.001825	0.015	No	16	0.002113	0.0004425	0	None	No	0.01	Param.
Lead (mg/L)	MW-105	0.0013	0.00091	0.015	No	16	0.001202	0.0003045	87.5	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-106	0.0013	0.00039	0.015	No	16	0.001243	0.0002275	93.75	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-109	0.0013	0.00067	0.015	No	16	0.001105	0.0004216	75	None	No	0.01	NP (normality)
Lead (mg/L)	MW-110	0.0013	0.00033	0.015	No	16	0.001056	0.0004363	75	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-102	0.005	0.0014	0.04	No	16	0.004281	0.001548	81.25	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-103	0.005	0.0015	0.04	No	16	0.003479	0.001687	50	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-104	0.035	0.02059	0.04	No	16	0.02838	0.01181	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	MW-105	0.005	0.00039	0.04	No	16	0.004712	0.001152	93.75	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-106	0.0073	0.0012	0.04	No	16	0.004019	0.00201	62.5	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-109	0.006618	0.005055	0.04	No	16	0.005869	0.001277	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	MW-110	0.01066	0.007564	0.04	No	16	0.009113	0.00238	0	None	No	0.01	Param.
Mercury (mg/L)	MW-102	0.0002	0.000094	0.002	No	16	0.0001867	0.00003621	87.5	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-103	0.00062	0.00016	0.002	No	16	0.0002187	0.0001092	81.25	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-104	0.001348	0.000727	0.002	No	16	0.001066	0.0005237	0	None	sqrt(x)	0.01	Param.
Mercury (mg/L)	MW-105	0.0002	0.0002	0.002	No	16	0.0002	0	100	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-106	0.0002	0.00008	0.002	No	16	0.0001925	0.00003	93.75	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-109	0.0012	0.000097	0.002	No	16	0.0005186	0.0008094	75	None	No	0.01	NP (normality)
Mercury (mg/L)	**MW-110**	**0.006042**	**0.003613**	**0.002**	**Yes**	**16**	**0.004828**	**0.001867**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	MW-102	0.015	0.015	0.1	No	16	0.015	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-103	0.015	0.015	0.1	No	16	0.015	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-104	0.015	0.015	0.1	No	16	0.015	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-105	0.0054	0.0032	0.1	No	16	0.004987	0.003084	6.25	None	No	0.01	NP (normality)
Molybdenum (mg/L)	MW-106	0.015	0.015	0.1	No	16	0.015	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-109	0.015	0.015	0.1	No	16	0.015	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-110	0.015	0.015	0.1	No	16	0.015	0	100	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-102	0.0013	0.00029	0.05	No	16	0.001085	0.0004198	75	None	No	0.01	NP (normality)
Selenium (mg/L)	MW-103	0.0029	0.001975	0.05	No	16	0.002438	0.0007108	6.25	None	No	0.01	Param.
Selenium (mg/L)	MW-104	0.01164	0.005012	0.05	No	16	0.008744	0.005635	0	None	sqrt(x)	0.01	Param.
Selenium (mg/L)	MW-105	0.0013	0.00038	0.05	No	16	0.000905	0.0004677	56.25	None	No	0.01	NP (normality)
Selenium (mg/L)	MW-106	0.0013	0.0013	0.05	No	16	0.0013	0	100	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-109	0.0013	0.00024	0.05	No	16	0.001165	0.000369	87.5	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-110	0.003602	0.003161	0.05	No	16	0.003381	0.0003391	0	None	No	0.01	Param.
Thallium (mg/L)	MW-102	0.0005	0.00021	0.002	No	16	0.0004819	0.0000725	93.75	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-103	0.0005	0.00015	0.002	No	16	0.0004485	0.0001425	87.5	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-104	0.000339	0.0002347	0.002	No	16	0.0002869	0.00008014	0	None	No	0.01	Param.
Thallium (mg/L)	MW-105	0.0005	0.00024	0.002	No	16	0.0004838	0.000065	93.75	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-106	0.0005	0.0005	0.002	No	16	0.0005	0	100	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-109	0.0005	0.00012	0.002	No	16	0.0004763	0.000095	93.75	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-110	0.0002981	0.0002331	0.002	No	16	0.0002656	0.00004993	0	None	No	0.01	Param.

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

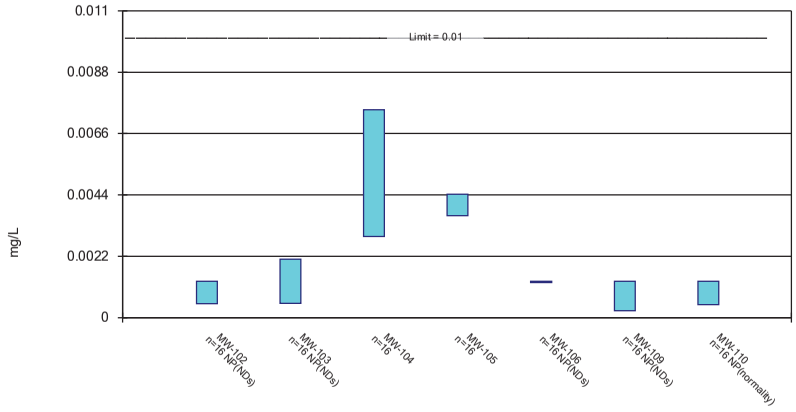


Constituent: Antimony Analysis Run 1/12/2021 4:31 PM View: Confidence Intervals - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

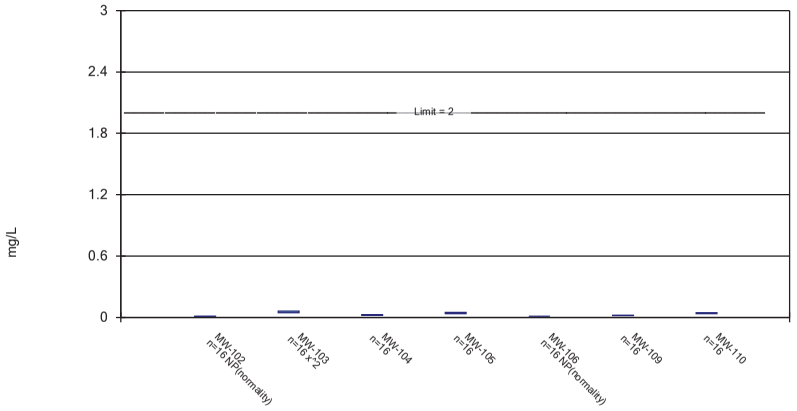


Constituent: Arsenic Analysis Run 1/12/2021 4:31 PM View: Confidence Intervals - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

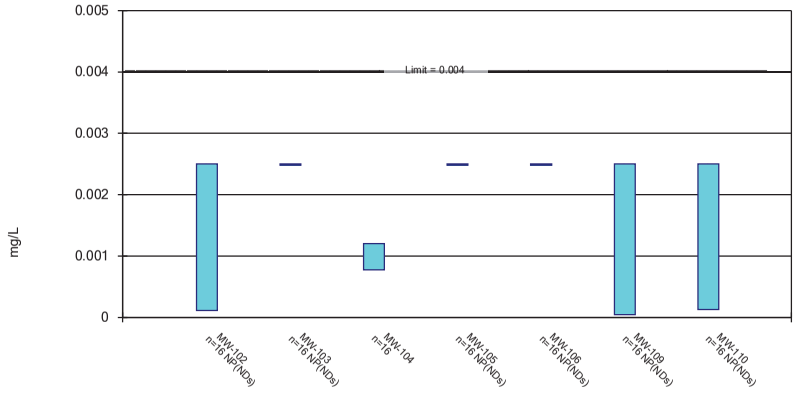


Constituent: Barium Analysis Run 1/12/2021 4:31 PM View: Confidence Intervals - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

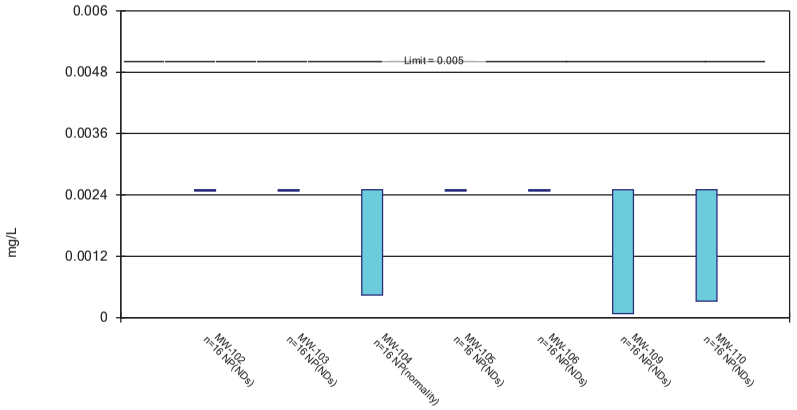
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Beryllium Analysis Run 1/12/2021 4:31 PM View: Confidence Intervals - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

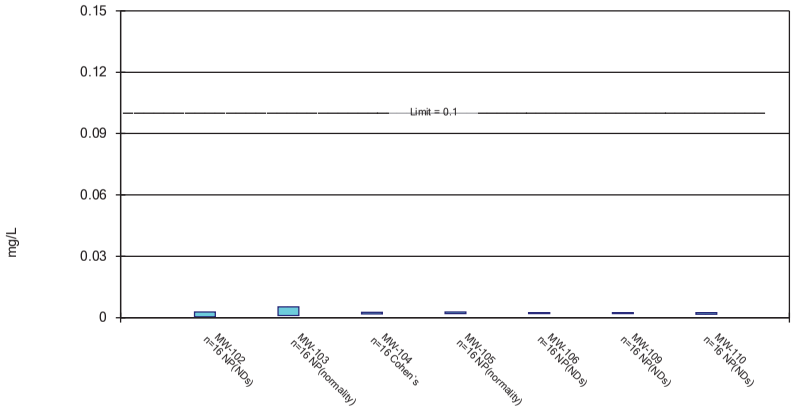


Constituent: Cadmium Analysis Run 1/12/2021 4:32 PM View: Confidence Intervals - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

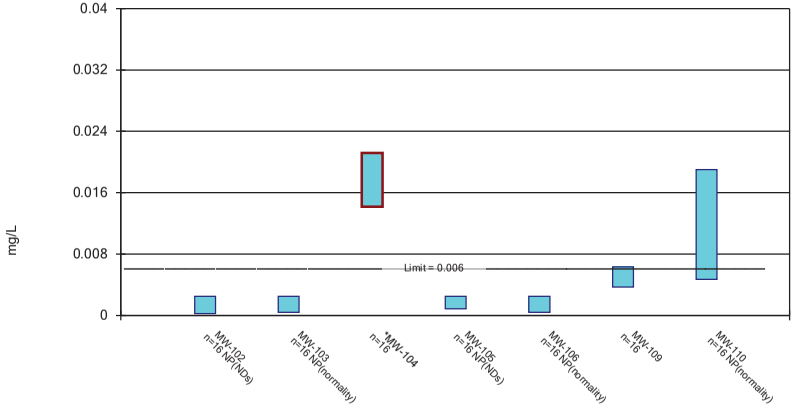


Constituent: Chromium Analysis Run 1/12/2021 4:32 PM View: Confidence Intervals - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

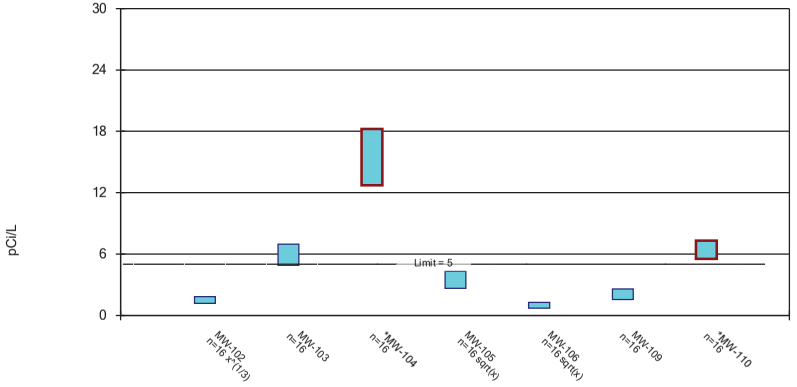


Constituent: Cobalt Analysis Run 1/12/2021 4:32 PM View: Confidence Intervals - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric Confidence Interval

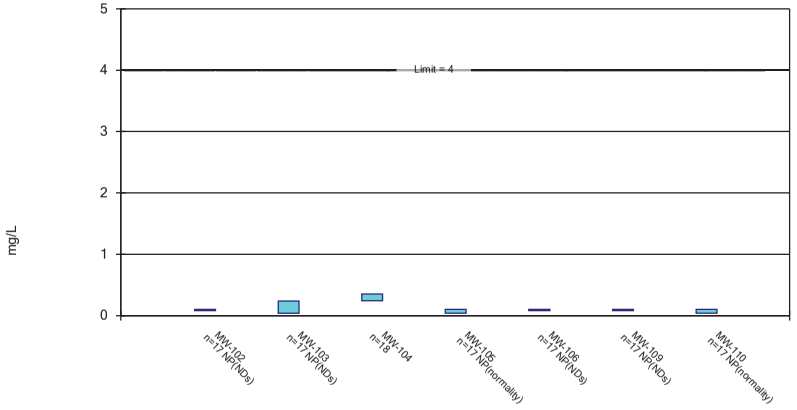
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 1/12/2021 4:32 PM View: Confidence Intervals - 1
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

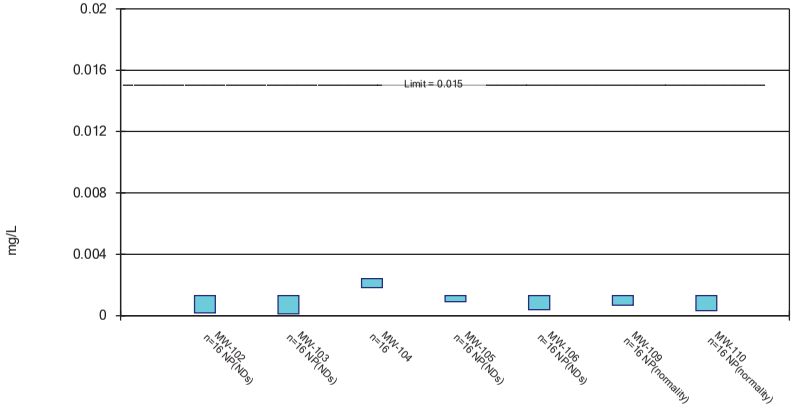


Constituent: Fluoride Analysis Run 1/12/2021 4:32 PM View: Confidence Intervals - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

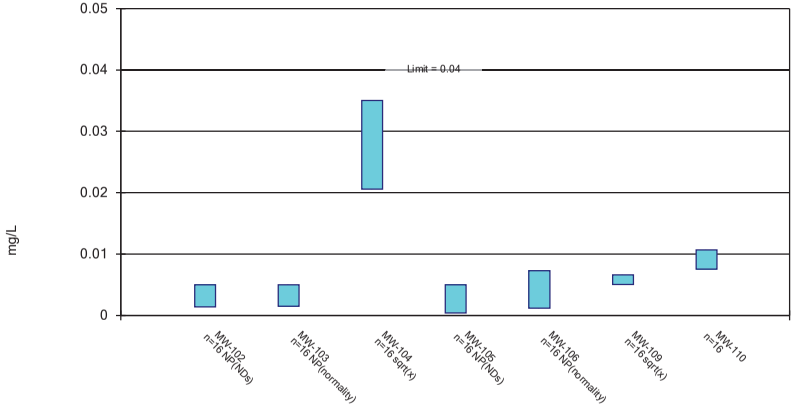


Constituent: Lead Analysis Run 1/12/2021 4:32 PM View: Confidence Intervals - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

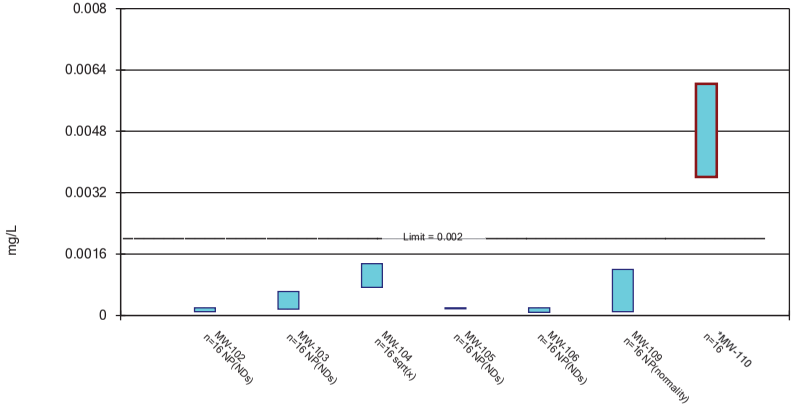


Constituent: Lithium Analysis Run 1/12/2021 4:32 PM View: Confidence Intervals - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

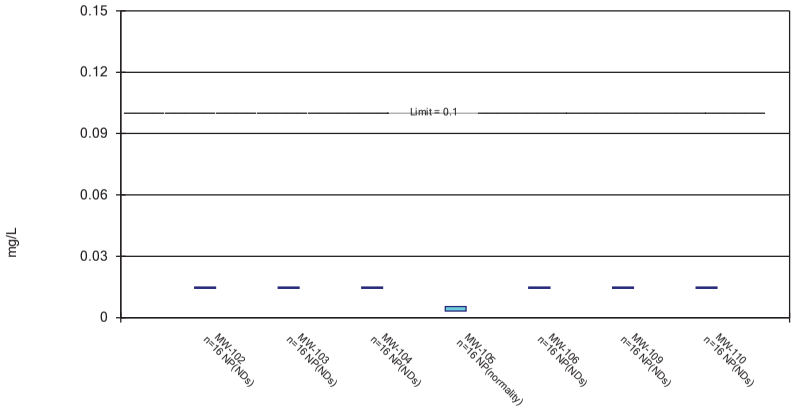
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Mercury Analysis Run 1/12/2021 4:32 PM View: Confidence Intervals - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

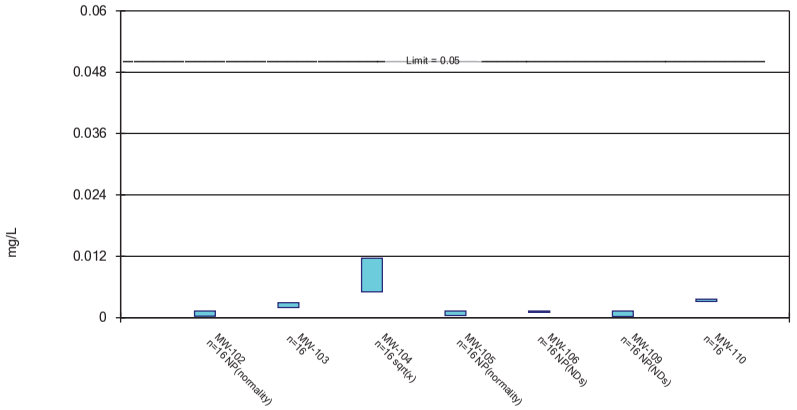


Constituent: Molybdenum Analysis Run 1/12/2021 4:32 PM View: Confidence Intervals - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

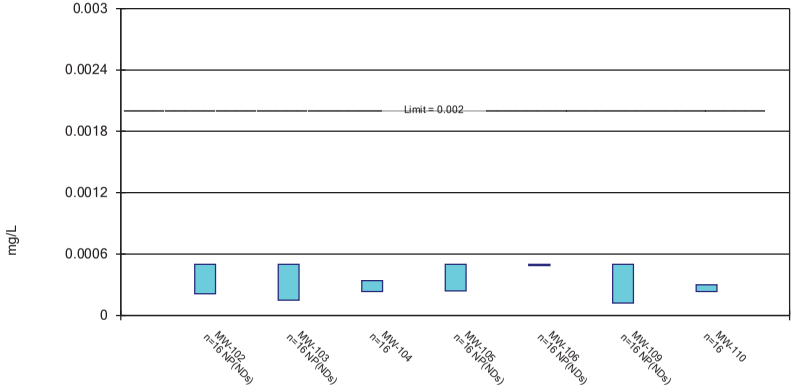


Constituent: Selenium Analysis Run 1/12/2021 4:32 PM View: Confidence Intervals - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 1/12/2021 4:32 PM View: Confidence Intervals - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

200 Series

Confidence Interval Summary Table - 200 Series - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/12/2021, 4:38 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-200**	**17.15**	**8.109**	**5**	**Yes**	**16**	**12.63**	**6.949**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-201**	**22.8**	**6.52**	**5**	**Yes**	**16**	**13.31**	**8.101**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Combined Radium 226 + 228 (pCi/L)	**MW-206**	**29.38**	**13.57**	**5**	**Yes**	**16**	**21.48**	**12.15**	**0**	**None**	**No**	**0.01**	**Param.**

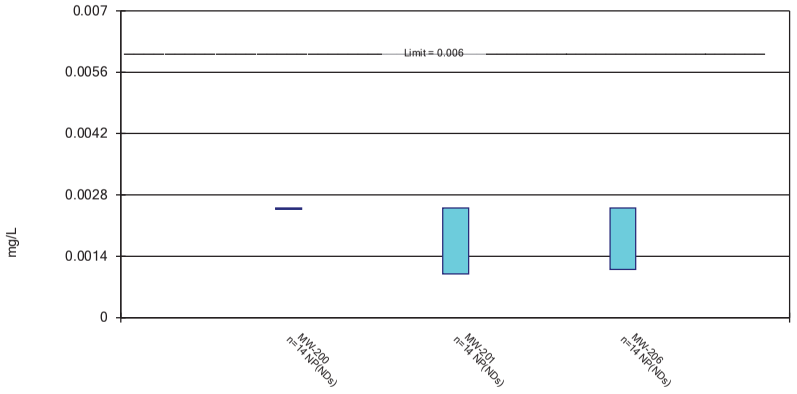
Confidence Interval Summary Table - 200 Series - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/12/2021, 4:38 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-200	0.0025	0.0025	0.006	No	14	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-201	0.0025	0.001	0.006	No	14	0.002286	0.0005447	85.71	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-206	0.0025	0.0011	0.006	No	14	0.0024	0.0003742	92.86	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-200	0.002919	0.0009315	0.01	No	16	0.002093	0.001748	12.5	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	MW-201	0.0068	0.0009	0.01	No	16	0.003084	0.003038	37.5	None	No	0.01	NP (Cohens/xfrm)
Arsenic (mg/L)	MW-206	0.009888	0.002491	0.01	No	16	0.006934	0.006444	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	MW-200	0.0647	0.03644	2	No	16	0.05057	0.02171	0	None	No	0.01	Param.
Barium (mg/L)	MW-201	0.06768	0.03569	2	No	16	0.05169	0.02458	0	None	No	0.01	Param.
Barium (mg/L)	MW-206	0.1092	0.06072	2	No	16	0.08494	0.03723	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-200	0.0025	0.000045	0.004	No	16	0.002347	0.0006137	93.75	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-201	0.0025	0.000069	0.004	No	16	0.002348	0.0006077	93.75	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-206	0.0025	0.00048	0.004	No	16	0.001968	0.0009568	75	None	No	0.01	NP (normality)
Cadmium (mg/L)	MW-200	0.0025	0.00091	0.005	No	15	0.002127	0.0007778	80	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-201	0.014	0.0017	0.005	No	16	0.006456	0.005653	6.25	None	No	0.01	NP (normality)
Cadmium (mg/L)	MW-206	0.0027	0.00055	0.005	No	16	0.001889	0.001067	6.25	None	No	0.01	NP (normality)
Chromium (mg/L)	MW-200	0.0025	0.0025	0.1	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-201	0.0025	0.0011	0.1	No	13	0.002392	0.0003883	92.31	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-206	0.0026	0.0025	0.1	No	13	0.002508	0.00002774	92.31	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-200	0.002536	0.001308	0.006	No	16	0.001465	0.00063	25	Cohen`s	No	0.01	Param.
Cobalt (mg/L)	MW-201	0.002962	0.001477	0.006	No	16	0.002297	0.001305	6.25	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	MW-206	0.004744	0.002302	0.006	No	16	0.003523	0.001877	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	**MW-200**	**17.15**	**8.109**	**5**	**Yes**	**16**	**12.63**	**6.949**	**0**	**None**	**No**	**0.01**	**Param.**
Combined Radium 226 + 228 (pCi/L)	**MW-201**	**22.8**	**6.52**	**5**	**Yes**	**16**	**13.31**	**8.101**	**0**	**None**	**No**	**0.01**	**NP (normality)**
Combined Radium 226 + 228 (pCi/L)	**MW-206**	**29.38**	**13.57**	**5**	**Yes**	**16**	**21.48**	**12.15**	**0**	**None**	**No**	**0.01**	**Param.**
Fluoride (mg/L)	MW-200	0.088	0.05	4	No	17	0.08118	0.06057	23.53	None	No	0.01	NP (normality)
Fluoride (mg/L)	MW-201	0.7555	0.4867	4	No	18	0.6211	0.2222	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-206	0.1	0.045	4	No	18	0.06717	0.02656	5.556	None	No	0.01	NP (normality)
Lead (mg/L)	MW-200	0.001402	0.0007381	0.015	No	16	0.00107	0.0005101	12.5	None	No	0.01	Param.
Lead (mg/L)	MW-201	0.0013	0.00061	0.015	No	16	0.001058	0.0003748	68.75	None	No	0.01	NP (normality)
Lead (mg/L)	MW-206	0.01	0.001	0.015	No	16	0.005639	0.004013	0	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-200	0.01	0.0025	0.04	No	16	0.004756	0.001853	75	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-201	0.0078	0.0042	0.04	No	16	0.006856	0.007707	12.5	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-206	0.005	0.0014	0.04	No	16	0.004537	0.001264	87.5	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-200	0.002276	0.001008	0.002	No	16	0.001642	0.0009743	0	None	No	0.01	Param.
Mercury (mg/L)	MW-201	0.0026	0.00026	0.002	No	16	0.001363	0.00105	0	None	No	0.01	NP (normality)
Mercury (mg/L)	MW-206	0.0007	0.0001	0.002	No	16	0.0003394	0.000288	25	None	No	0.01	NP (Cohens/xfrm)
Molybdenum (mg/L)	MW-200	0.015	0.0078	0.1	No	14	0.01449	0.001924	92.86	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-201	0.015	0.0015	0.1	No	14	0.01404	0.003608	92.86	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-206	0.015	0.00092	0.1	No	14	0.01399	0.003763	92.86	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-200	0.01244	0.005167	0.05	No	16	0.009281	0.00577	0	None	sqrt(x)	0.01	Param.
Selenium (mg/L)	MW-201	0.01167	0.004097	0.05	No	16	0.008475	0.005824	0	None	sqrt(x)	0.01	Param.
Selenium (mg/L)	MW-206	0.01876	0.01256	0.05	No	16	0.01566	0.004765	0	None	No	0.01	Param.
Thallium (mg/L)	MW-200	0.00041	0.00005	0.002	No	16	0.0002086	0.000169	25	None	No	0.01	NP (Cohens/xfrm)
Thallium (mg/L)	MW-201	0.0004225	0.0002087	0.002	No	16	0.0003156	0.0001643	0	None	No	0.01	Param.
Thallium (mg/L)	MW-206	0.00089	0.00023	0.002	No	16	0.0005869	0.0003067	0	None	No	0.01	NP (normality)

Non-Parametric Confidence Interval

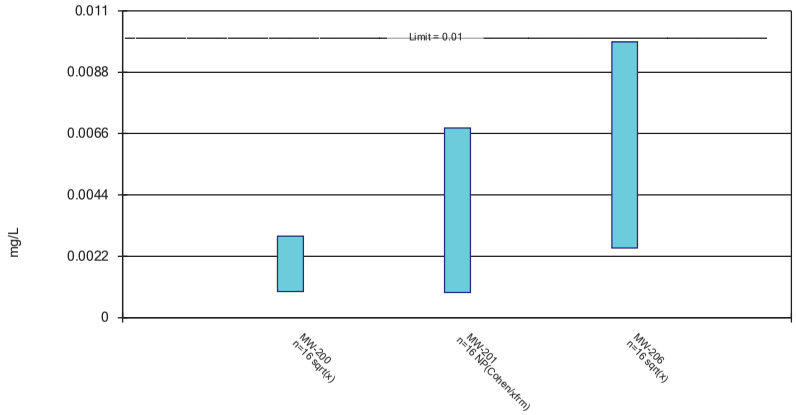
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Antimony Analysis Run 1/12/2021 4:35 PM View: Confidence Intervals - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

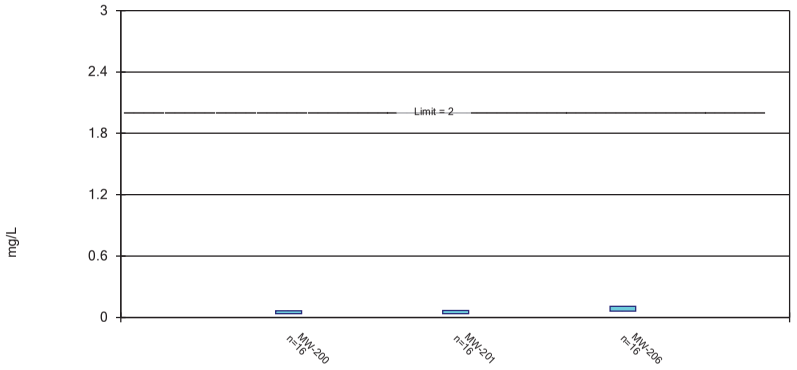
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 1/12/2021 4:35 PM View: Confidence Intervals - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric Confidence Interval

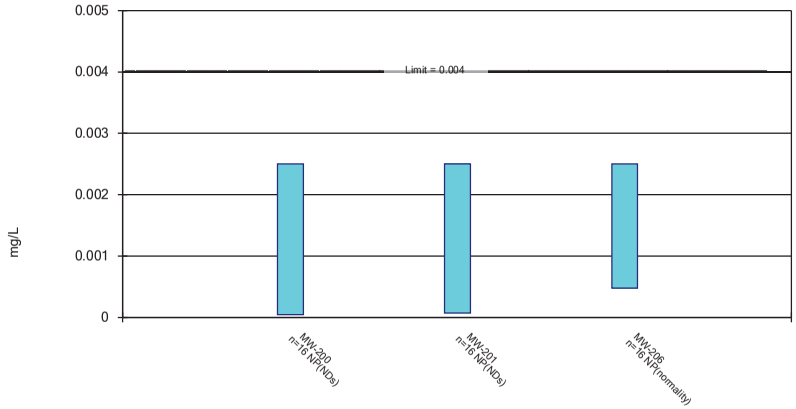
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 1/12/2021 4:35 PM View: Confidence Intervals - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Non-Parametric Confidence Interval

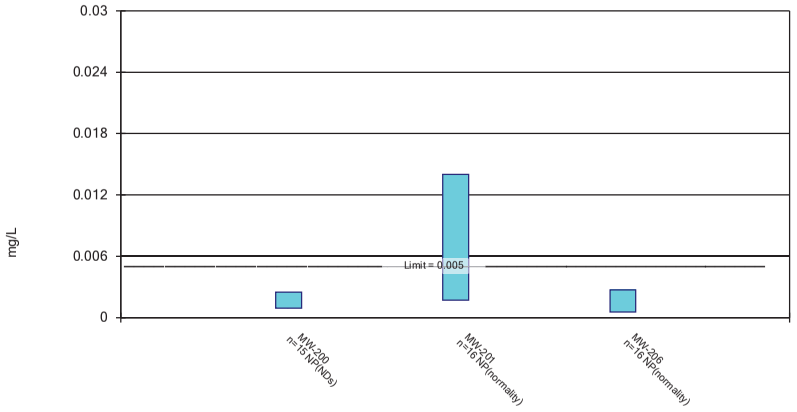
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Beryllium Analysis Run 1/12/2021 4:35 PM View: Confidence Intervals - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

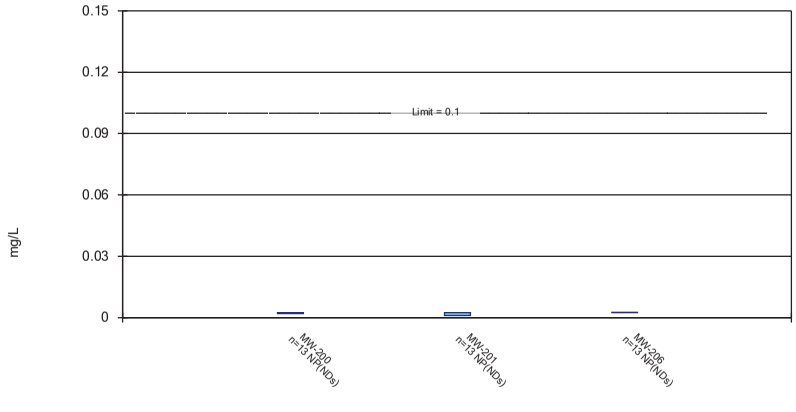


Constituent: Cadmium Analysis Run 1/12/2021 4:35 PM View: Confidence Intervals - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

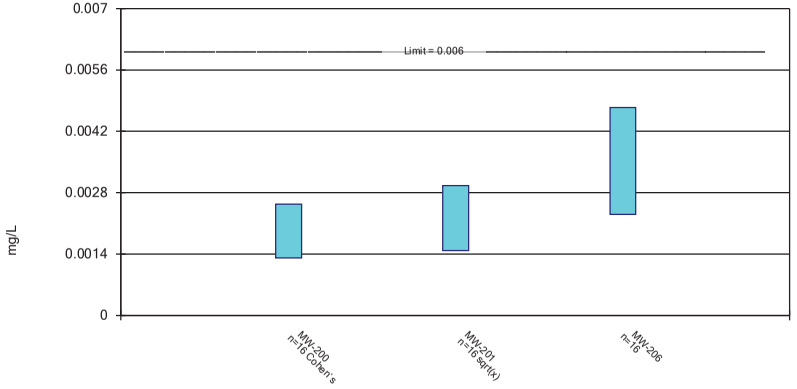


Constituent: Chromium Analysis Run 1/12/2021 4:35 PM View: Confidence Intervals - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

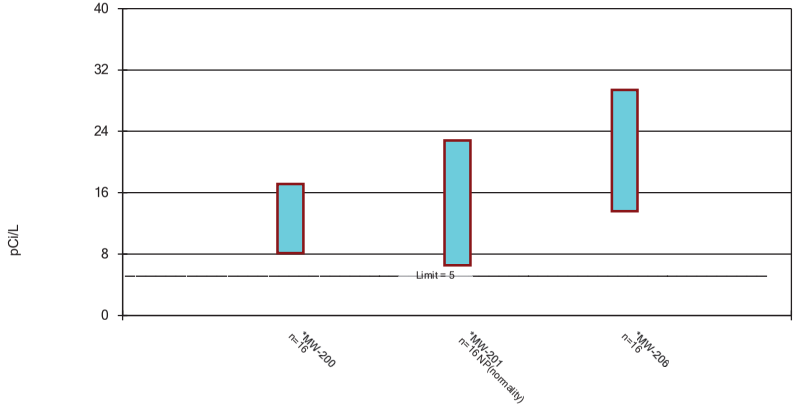


Constituent: Cobalt Analysis Run 1/12/2021 4:35 PM View: Confidence Intervals - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

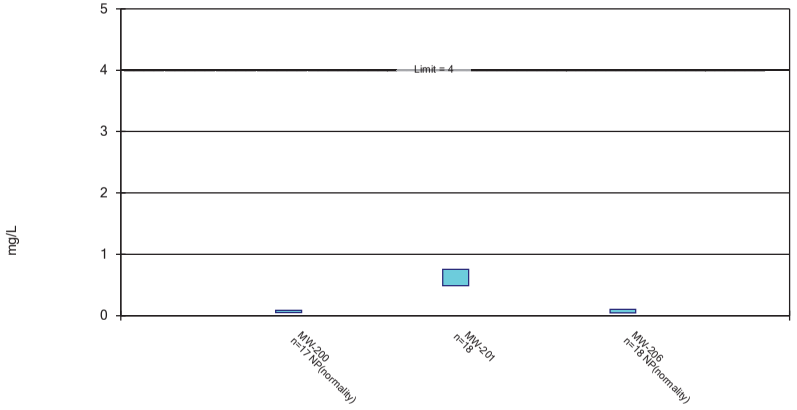
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 1/12/2021 4:35 PM View: Confidence Intervals - 2
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

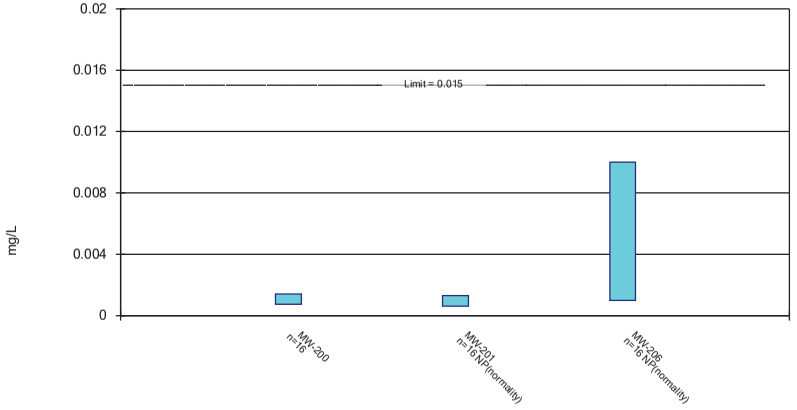


Constituent: Fluoride Analysis Run 1/12/2021 4:35 PM View: Confidence Intervals - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

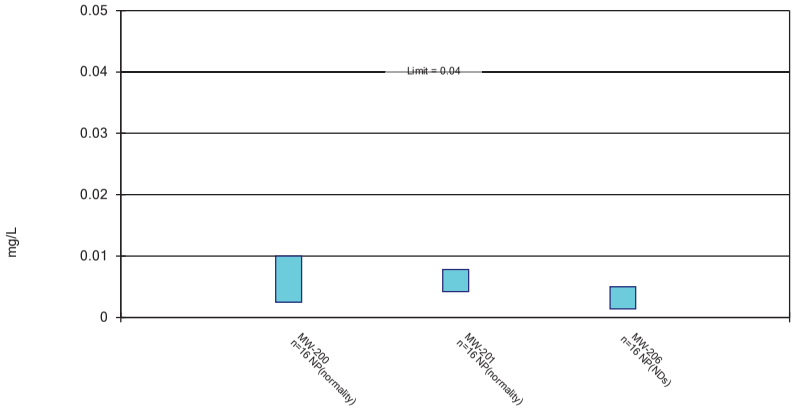


Constituent: Lead Analysis Run 1/12/2021 4:35 PM View: Confidence Intervals - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

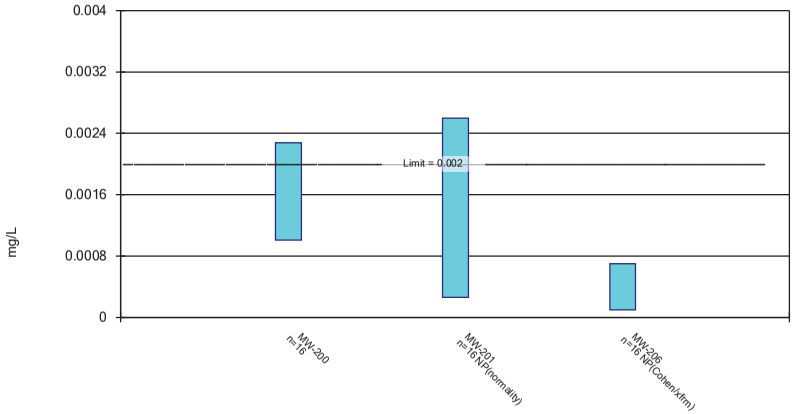


Constituent: Lithium Analysis Run 1/12/2021 4:35 PM View: Confidence Intervals - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

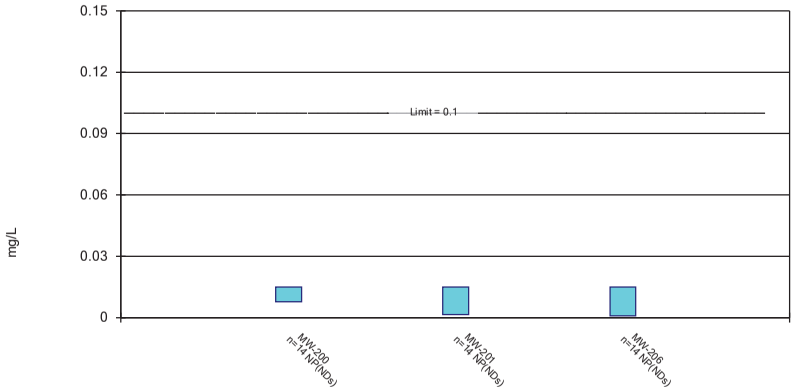
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Mercury Analysis Run 1/12/2021 4:35 PM View: Confidence Intervals - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

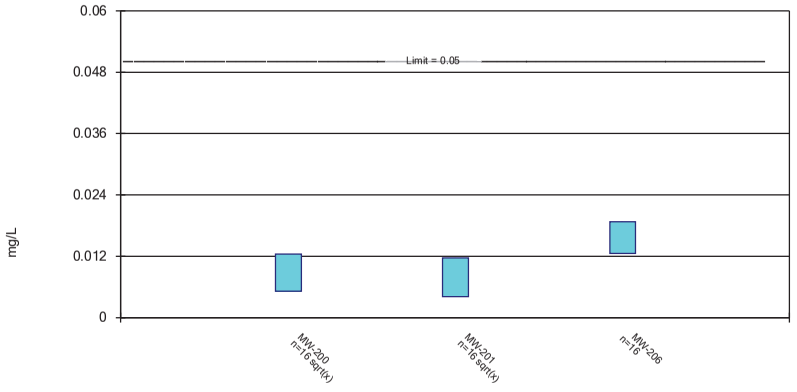


Constituent: Molybdenum Analysis Run 1/12/2021 4:35 PM View: Confidence Intervals - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

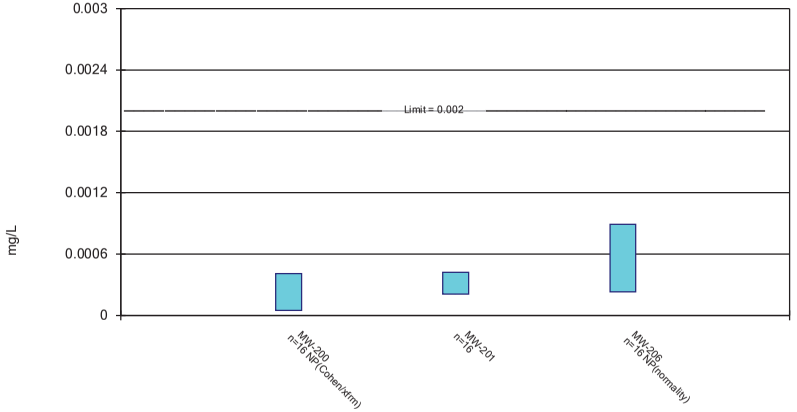


Constituent: Selenium Analysis Run 1/12/2021 4:35 PM View: Confidence Intervals - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 1/12/2021 4:35 PM View: Confidence Intervals - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

300 Series

Confidence Interval Summary Table - 300 Series - Significant Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/13/2021, 10:20 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	**MW-304**	**0.02083**	**0.006728**	**0.006**	**Yes**	**10**	**0.01378**	**0.007904**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	**MW-303**	**1.59**	**0.8622**	**0.1**	**Yes**	**16**	**1.259**	**0.5919**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**

Confidence Interval Summary Table - 300 Series - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/13/2021, 10:20 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-300	0.0025	0.0025	0.006	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-303	0.0025	0.0025	0.006	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-304	0.0025	0.0025	0.006	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-305	0.0025	0.0025	0.006	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-308	0.0025	0.0025	0.006	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-300	0.0013	0.0013	0.01	No	14	0.0013	0	100	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-303	0.001588	0.0008995	0.01	No	14	0.001244	0.0004858	42.86	None	No	0.01	Param.
Arsenic (mg/L)	MW-304	0.005	0.00053	0.01	No	11	0.001841	0.001796	18.18	None	No	0.006	NP (Cohens/xfrm)
Arsenic (mg/L)	MW-305	0.0013	0.00057	0.01	No	14	0.001185	0.0002938	85.71	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-308	0.0013	0.0011	0.01	No	14	0.001226	0.0002267	85.71	None	No	0.01	NP (NDs)
Barium (mg/L)	MW-300	0.012	0.01	2	No	16	0.01131	0.0007932	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-303	0.04574	0.02854	2	No	16	0.03863	0.01587	0	None	ln(x)	0.01	Param.
Barium (mg/L)	MW-304	0.04214	0.02724	2	No	16	0.03469	0.01145	0	None	No	0.01	Param.
Barium (mg/L)	MW-305	0.02	0.016	2	No	16	0.01906	0.005221	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-308	0.02725	0.02112	2	No	16	0.02419	0.004708	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-300	0.0025	0.0025	0.004	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-303	0.0025	0.000074	0.004	No	13	0.002313	0.0006729	92.31	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-304	0.0025	0.0025	0.004	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-305	0.0025	0.0025	0.004	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-308	0.0025	0.0025	0.004	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-300	0.0025	0.000075	0.005	No	16	0.002348	0.0006062	93.75	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-303	0.0025	0.00036	0.005	No	16	0.0009794	0.000915	25	None	No	0.01	NP (normality)
Cadmium (mg/L)	MW-304	0.0025	0.001	0.005	No	16	0.002296	0.0005606	87.5	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-305	0.0025	0.000076	0.005	No	16	0.002348	0.000606	93.75	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-308	0.0025	0.000089	0.005	No	16	0.002349	0.0006027	93.75	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-300	0.0037	0.0025	0.1	No	13	0.002592	0.0003328	92.31	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-303	0.0025	0.0025	0.1	No	13	0.0025	0	100	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-304	0.0025	0.0016	0.1	No	13	0.002331	0.0004211	84.62	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-305	0.0025	0.0016	0.1	No	13	0.002431	0.0002496	84.62	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-308	0.0025	0.00082	0.1	No	13	0.002371	0.0004659	92.31	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-300	0.0025	0.00093	0.006	No	16	0.002119	0.0008327	81.25	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-303	0.0025	0.00051	0.006	No	16	0.001317	0.0009518	37.5	None	No	0.01	NP (normality)
Cobalt (mg/L)	**MW-304**	**0.02083**	**0.006728**	**0.006**	**Yes**	**10**	**0.01378**	**0.007904**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	MW-305	0.0025	0.00044	0.006	No	16	0.001162	0.0009454	31.25	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-308	0.0025	0.00063	0.006	No	16	0.002262	0.0006508	87.5	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	MW-300	5.563	4.75	5	No	16	5.156	0.6245	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-303	6.89	4.37	5	No	16	6.15	2.092	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	MW-304	7.16	3.769	5	No	16	5.464	2.606	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-305	1.623	1.211	5	No	16	1.417	0.3165	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-308	3.086	2.248	5	No	16	2.667	0.6445	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-300	0.1	0.041	4	No	17	0.09653	0.01431	94.12	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-303	0.2503	0.1608	4	No	18	0.2056	0.0739	5.556	None	No	0.01	Param.
Fluoride (mg/L)	MW-304	0.12	0.06	4	No	17	0.09529	0.0371	47.06	None	No	0.01	NP (Cohens/xfrm)
Fluoride (mg/L)	MW-305	0.1	0.035	4	No	17	0.09618	0.01576	94.12	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-308	0.1353	0.07916	4	No	18	0.1072	0.04638	0	None	No	0.01	Param.
Lead (mg/L)	MW-300	0.0013	0.000083	0.015	No	13	0.001206	0.0003375	92.31	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-303	0.0013	0.00011	0.015	No	13	0.001208	0.00033	92.31	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-304	0.0014	0.00041	0.015	No	13	0.0009385	0.0004446	46.15	None	No	0.01	NP (normality)
Lead (mg/L)	MW-305	0.0013	0.0013	0.015	No	13	0.0013	0	100	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-308	0.0013	0.0013	0.015	No	13	0.0013	0	100	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-300	0.005	0.0014	0.04	No	16	0.004227	0.001669	81.25	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-303	0.02828	0.02306	0.04	No	16	0.02575	0.004171	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	MW-304	0.005	0.0023	0.04	No	16	0.004219	0.001398	68.75	None	No	0.01	NP (normality)
Lithium (mg/L)	MW-305	0.005	0.0014	0.04	No	16	0.004213	0.001702	81.25	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-308	0.005	0.0013	0.04	No	16	0.0041	0.001624	75	None	No	0.01	NP (normality)

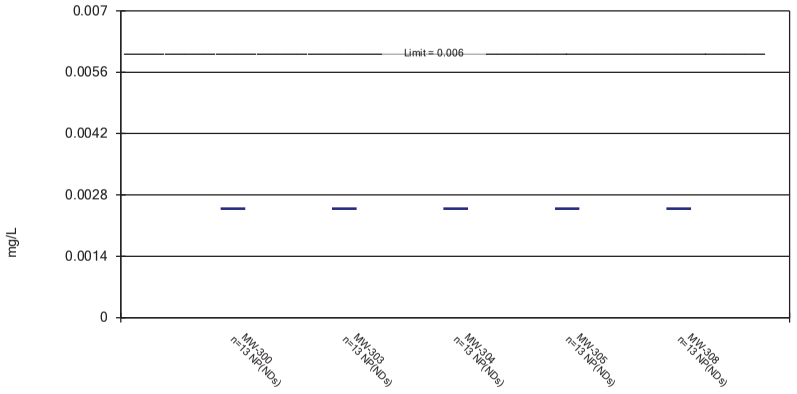
Confidence Interval Summary Table - 300 Series - All Results

Plant Crist Client: Gulf Power Data: Plant Crist CCR Printed 1/13/2021, 10:20 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	MW-300	0.0002	0.0002	0.002	No	16	0.0002	0	100	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-303	0.0002	0.0002	0.002	No	16	0.0002	0	100	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-304	0.00082	0.0002	0.002	No	16	0.0004804	0.0003221	18.75	None	No	0.01	NP (Cohens/xfrm)
Mercury (mg/L)	MW-305	0.0002	0.00014	0.002	No	16	0.0001962	0.000015	93.75	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-308	0.0002	0.000087	0.002	No	16	0.0001929	0.00002825	93.75	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-300	0.015	0.015	0.1	No	16	0.015	0	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	**MW-303**	**1.59**	**0.8622**	**0.1**	**Yes**	**16**	**1.259**	**0.5919**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Molybdenum (mg/L)	MW-304	0.015	0.0029	0.1	No	16	0.01014	0.005792	56.25	None	No	0.01	NP (normality)
Molybdenum (mg/L)	MW-305	0.015	0.0016	0.1	No	16	0.01416	0.00335	93.75	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-308	0.015	0.00098	0.1	No	16	0.01412	0.003505	93.75	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-300	0.0013	0.0013	0.05	No	16	0.0013	0	100	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-303	0.00611	0.003465	0.05	No	16	0.004788	0.002033	0	None	No	0.01	Param.
Selenium (mg/L)	MW-304	0.006685	0.004089	0.05	No	15	0.005387	0.001916	0	None	No	0.01	Param.
Selenium (mg/L)	MW-305	0.0013	0.00027	0.05	No	16	0.001236	0.0002575	93.75	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-308	0.005822	0.00364	0.05	No	16	0.004731	0.001677	0	None	No	0.01	Param.
Thallium (mg/L)	MW-300	0.0005	0.0005	0.002	No	16	0.0005	0	100	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-303	0.00027	0.00017	0.002	No	16	0.0002344	0.00008907	6.25	None	No	0.01	NP (normality)
Thallium (mg/L)	MW-304	0.0002586	0.0001363	0.002	No	16	0.0002128	0.0001241	12.5	None	ln(x)	0.01	Param.
Thallium (mg/L)	MW-305	0.0005	0.0005	0.002	No	16	0.0005	0	100	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-308	0.000335	0.000235	0.002	No	16	0.000285	0.00007685	6.25	None	No	0.01	Param.

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

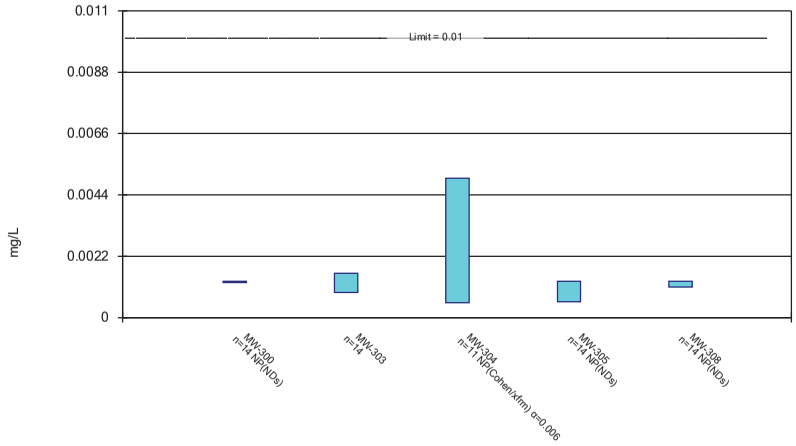


Constituent: Antimony Analysis Run 1/13/2021 10:18 AM View: Confidence Intervals - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

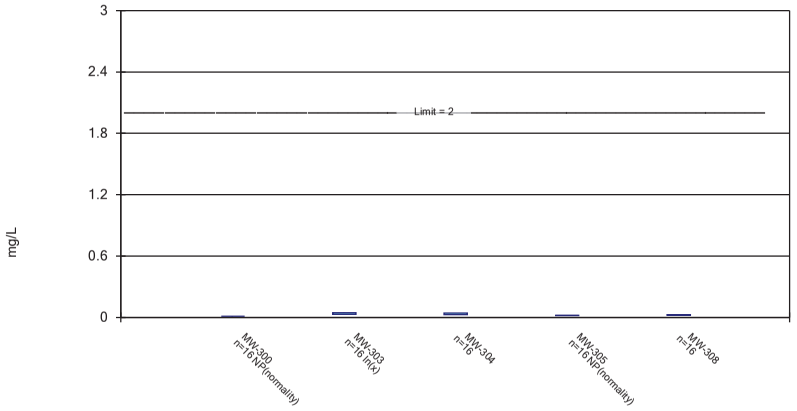


Constituent: Arsenic Analysis Run 1/13/2021 10:18 AM View: Confidence Intervals - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

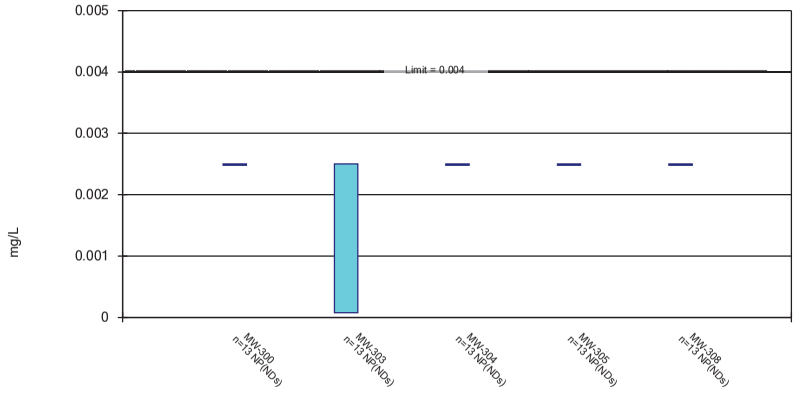


Constituent: Barium Analysis Run 1/13/2021 10:18 AM View: Confidence Intervals - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

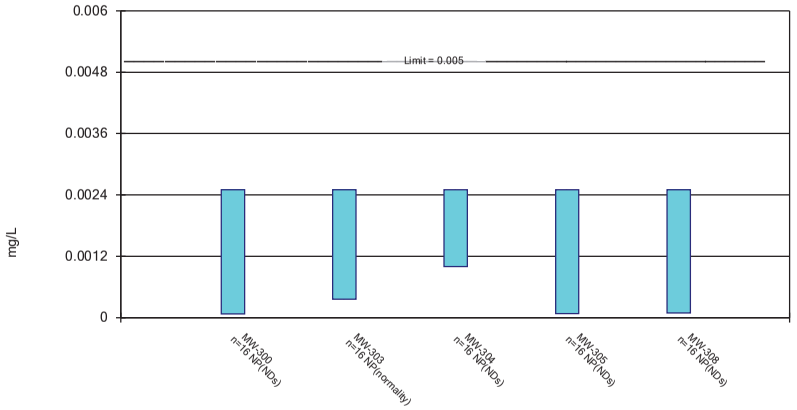
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Beryllium Analysis Run 1/13/2021 10:18 AM View: Confidence Intervals - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

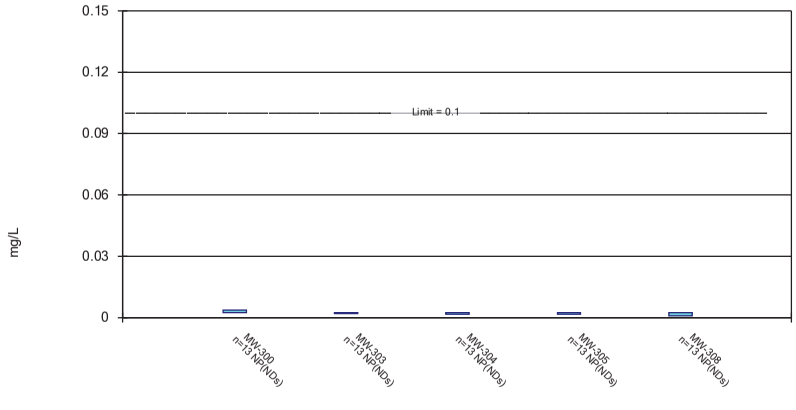


Constituent: Cadmium Analysis Run 1/13/2021 10:18 AM View: Confidence Intervals - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

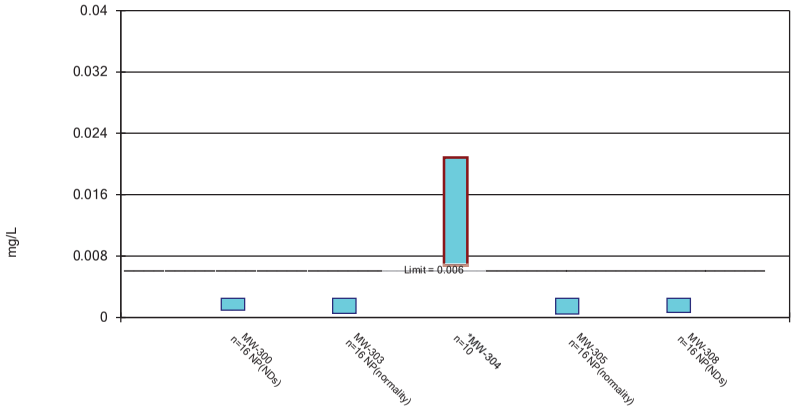


Constituent: Chromium Analysis Run 1/13/2021 10:18 AM View: Confidence Intervals - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

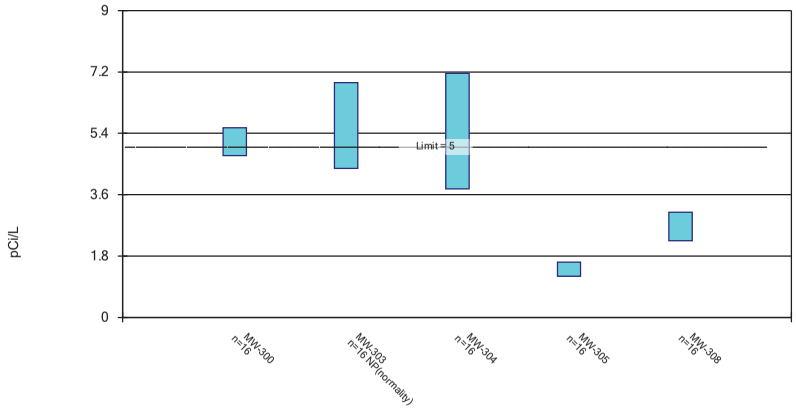


Constituent: Cobalt Analysis Run 1/13/2021 10:18 AM View: Confidence Intervals - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

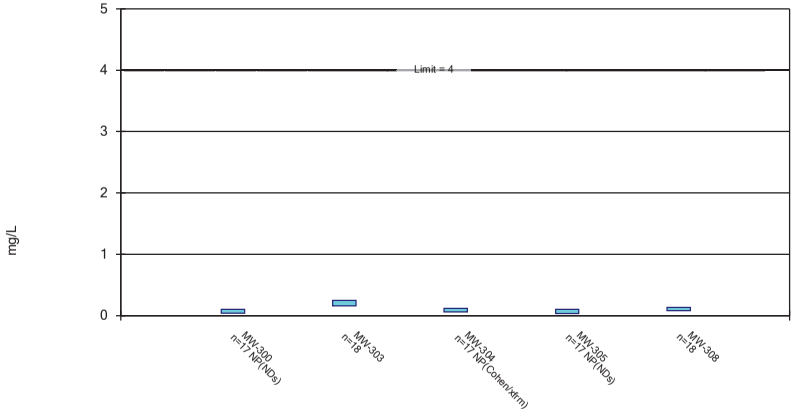
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 1/13/2021 10:18 AM View: Confidence Intervals -
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

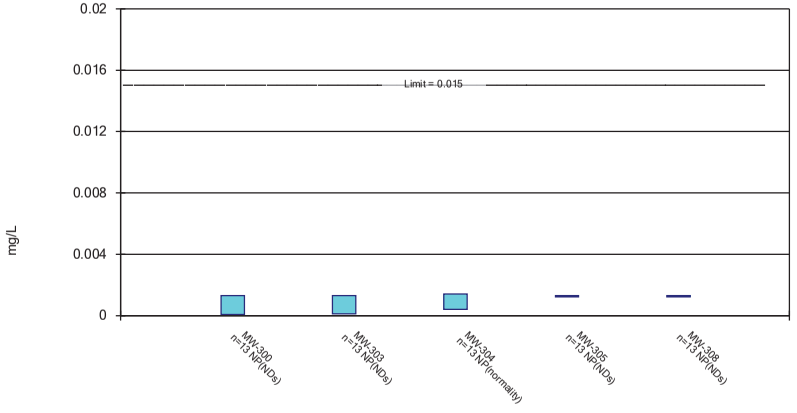
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 1/13/2021 10:18 AM View: Confidence Intervals - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Non-Parametric Confidence Interval

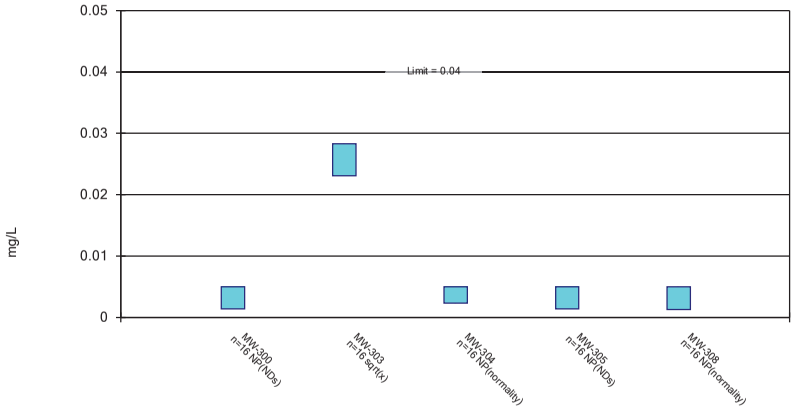
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 1/13/2021 10:18 AM View: Confidence Intervals - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

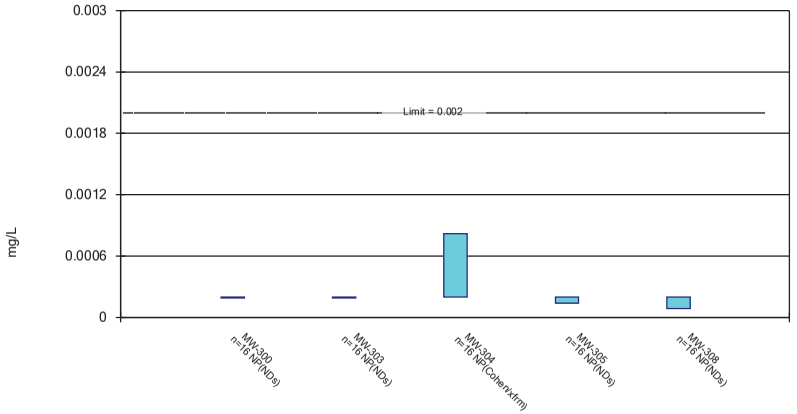
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 1/13/2021 10:18 AM View: Confidence Intervals - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Non-Parametric Confidence Interval

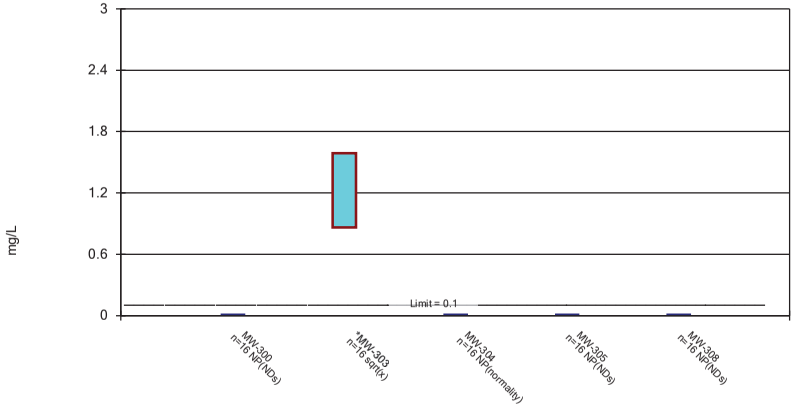
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 1/13/2021 10:18 AM View: Confidence Intervals - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



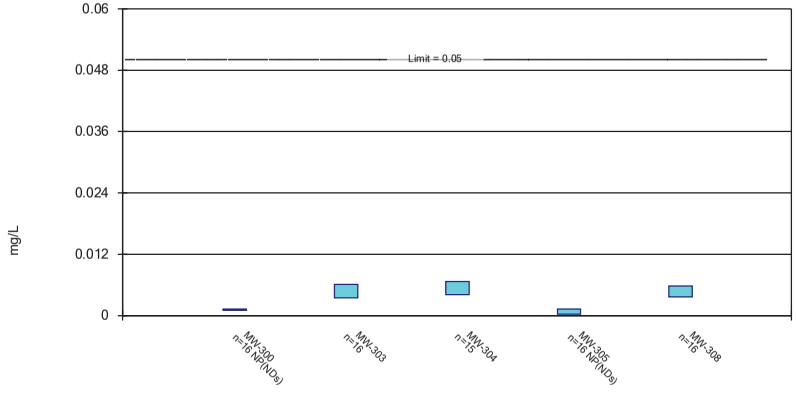
Constituent: Molybdenum Analysis Run 1/13/2021 10:18 AM View: Confidence Intervals - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



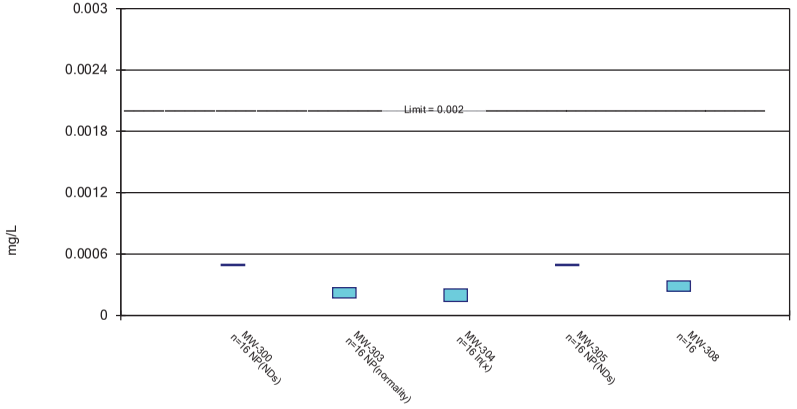
Constituent: Selenium Analysis Run 1/13/2021 10:18 AM View: Confidence Intervals - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 1/13/2021 10:18 AM View: Confidence Intervals - 300 Series

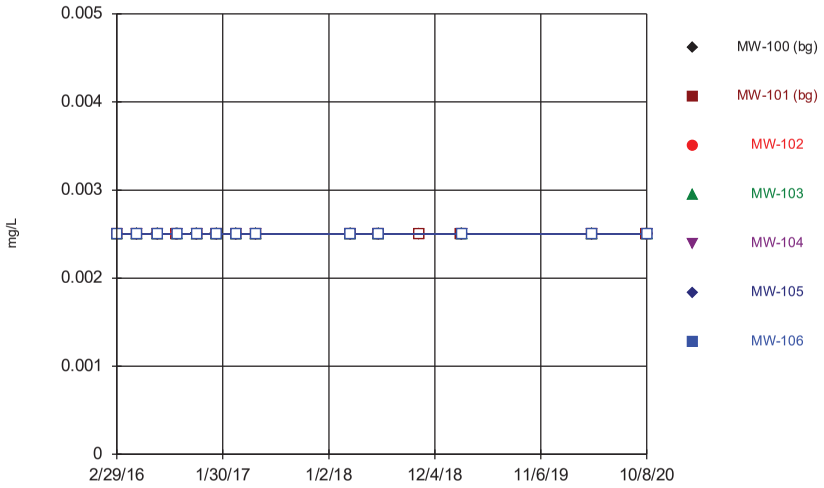
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Time Series - 100, 200 & 300 Series

100 Series

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

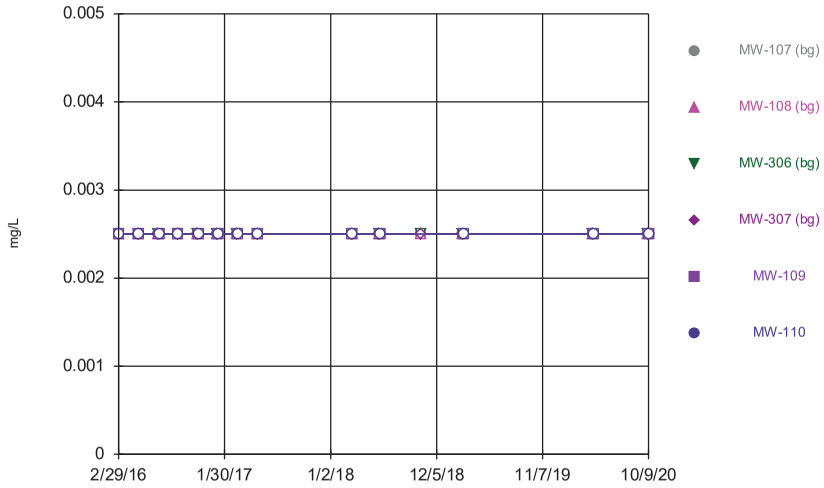
Time Series



Constituent: Antimony Analysis Run 1/7/2021 5:37 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

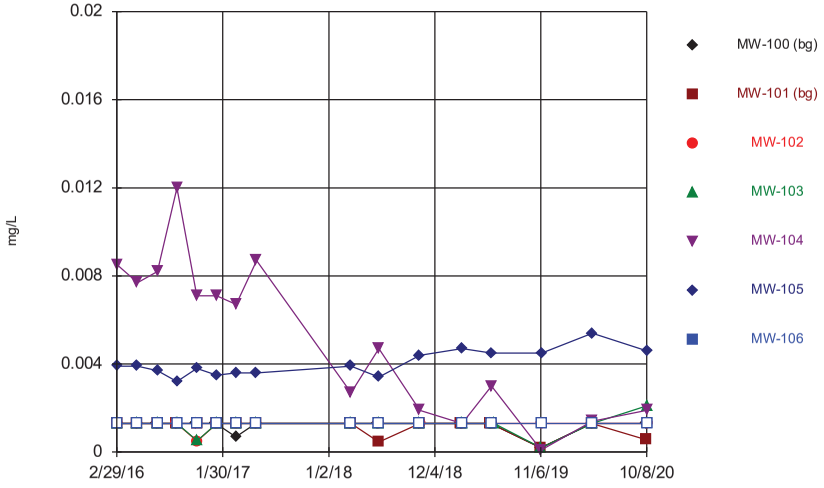
Time Series



Constituent: Antimony Analysis Run 1/7/2021 5:37 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

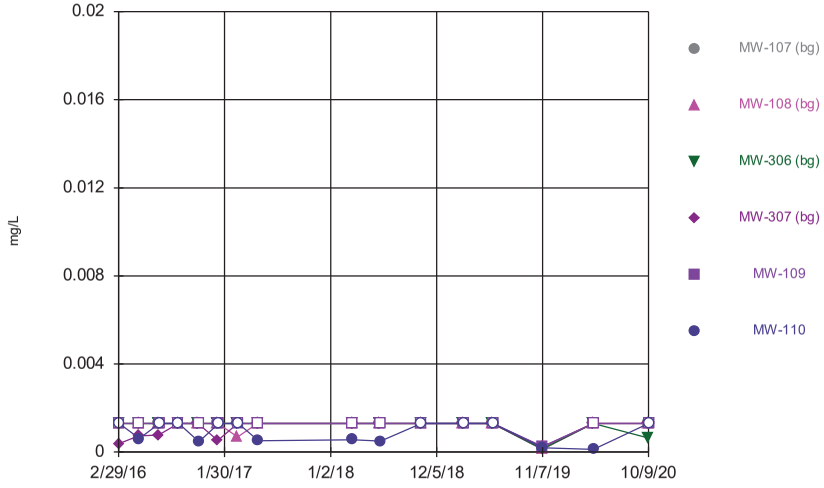
Time Series



Constituent: Arsenic Analysis Run 1/7/2021 5:37 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

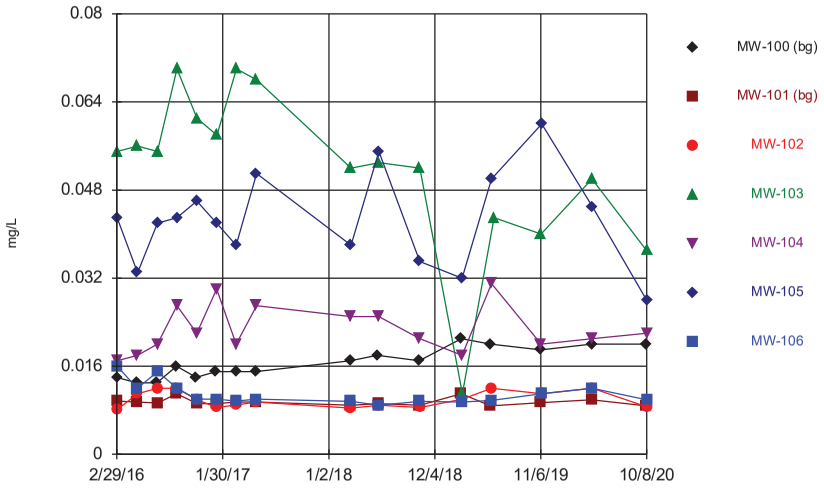
Time Series



Constituent: Arsenic Analysis Run 1/7/2021 5:37 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

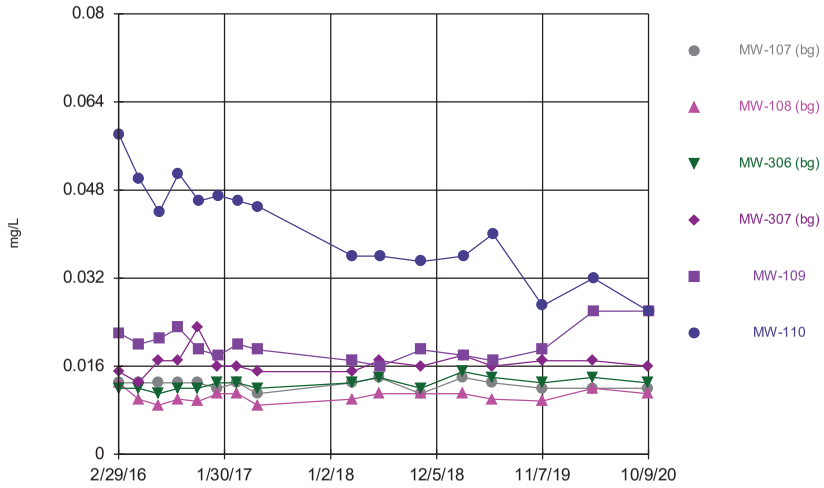
Time Series



Constituent: Barium Analysis Run 1/7/2021 5:37 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

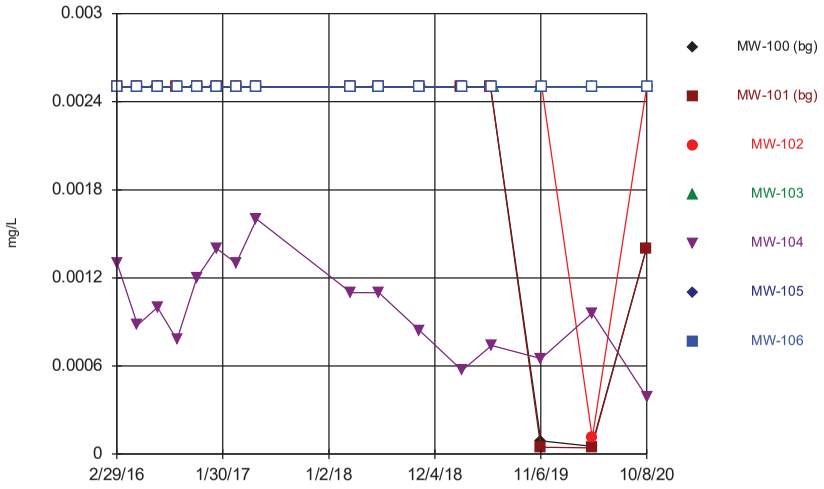
Time Series



Constituent: Barium Analysis Run 1/7/2021 5:37 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

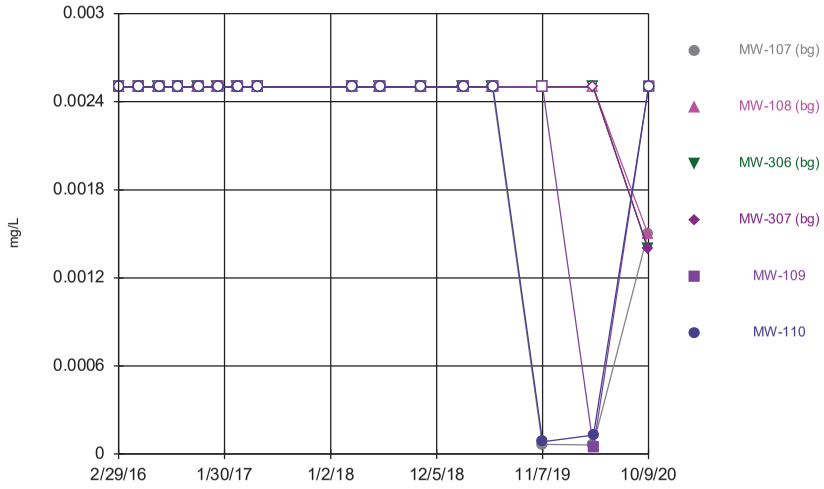
Time Series



Constituent: Beryllium Analysis Run 1/7/2021 5:37 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

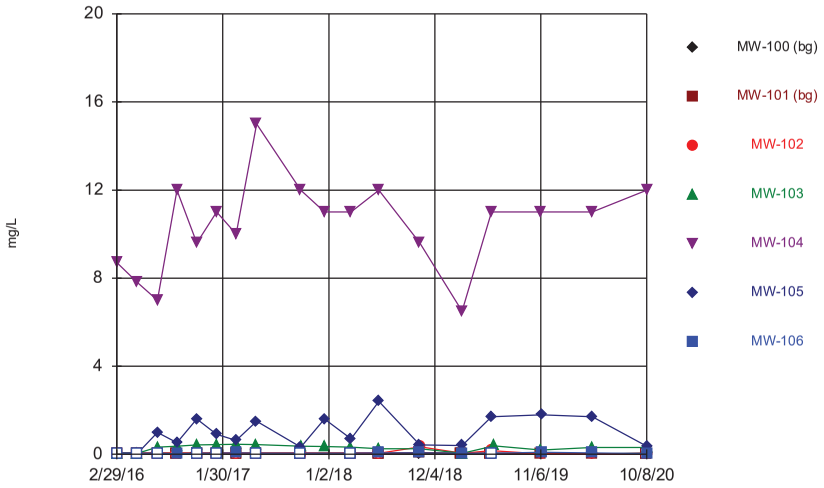
Time Series



Constituent: Beryllium Analysis Run 1/7/2021 5:37 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

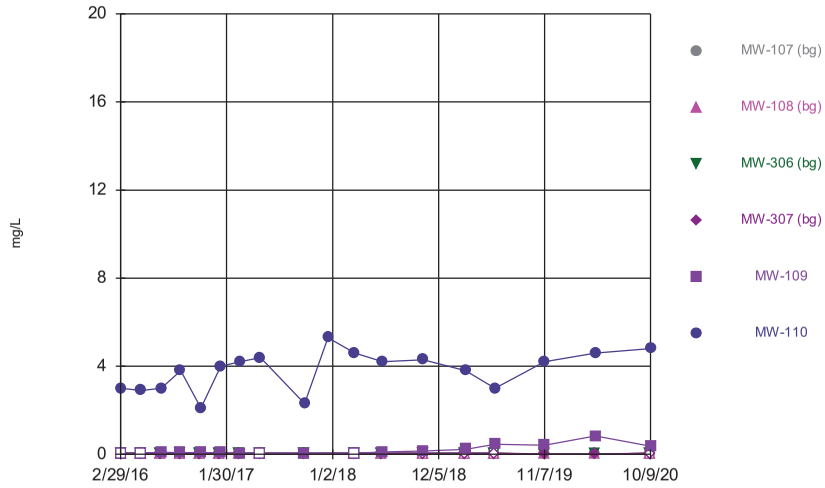
Time Series



Constituent: Boron Analysis Run 1/7/2021 5:37 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

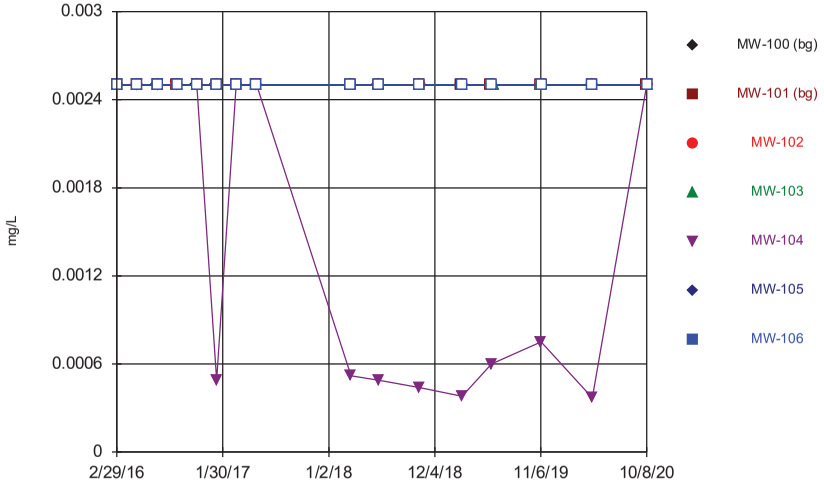
Time Series



Constituent: Boron Analysis Run 1/7/2021 5:37 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

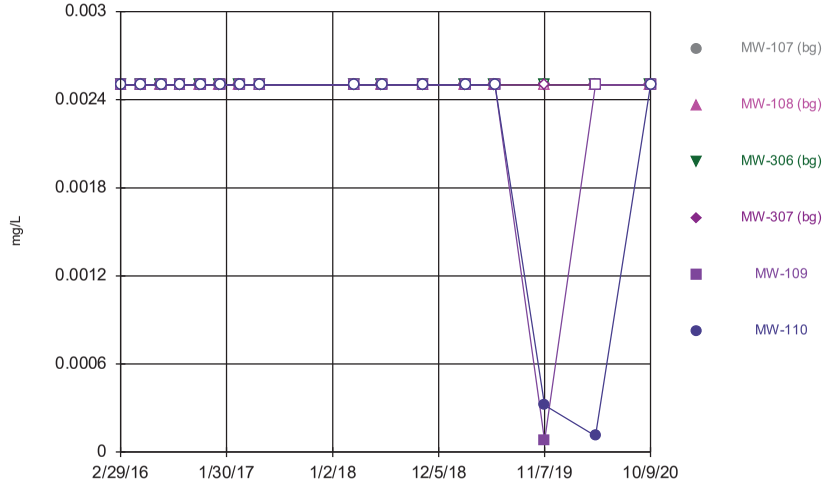
Time Series



Constituent: Cadmium Analysis Run 1/7/2021 5:37 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

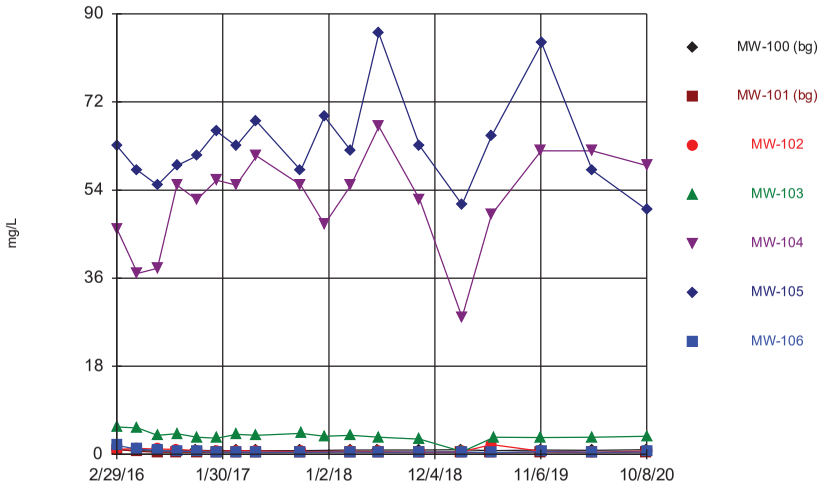
Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Cadmium Analysis Run 1/7/2021 5:37 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

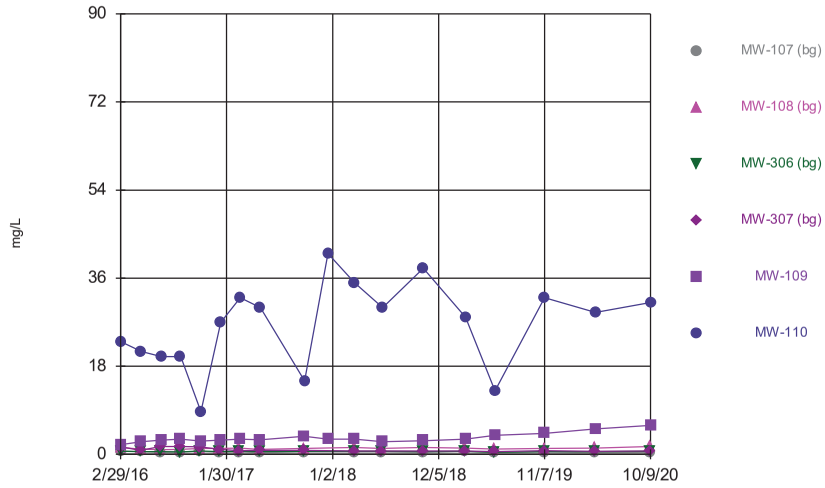
Time Series



Constituent: Calcium Analysis Run 1/7/2021 5:38 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

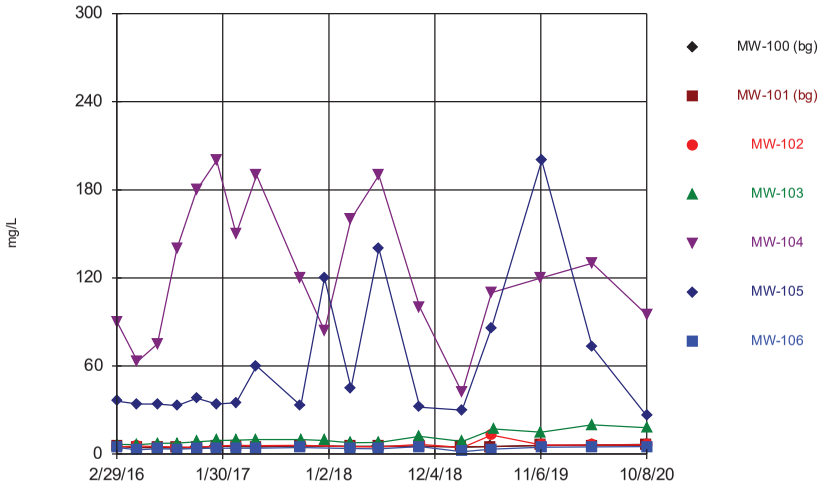
Time Series



Constituent: Calcium Analysis Run 1/7/2021 5:38 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

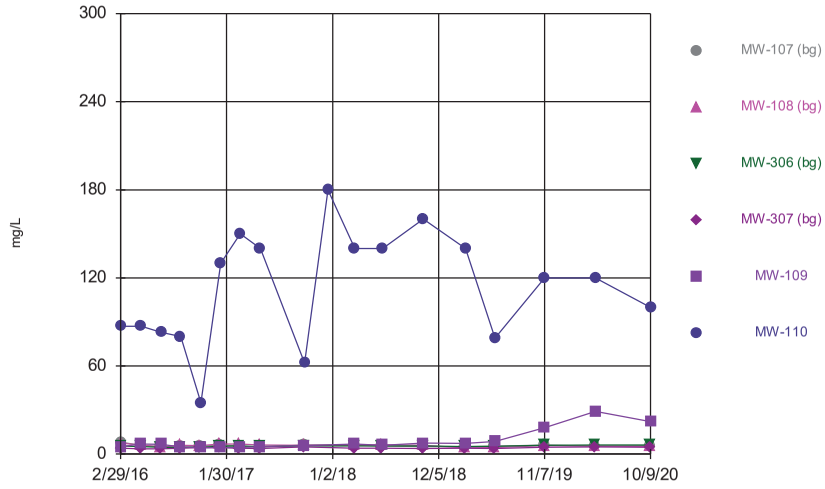
Time Series



Constituent: Chloride Analysis Run 1/7/2021 5:38 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

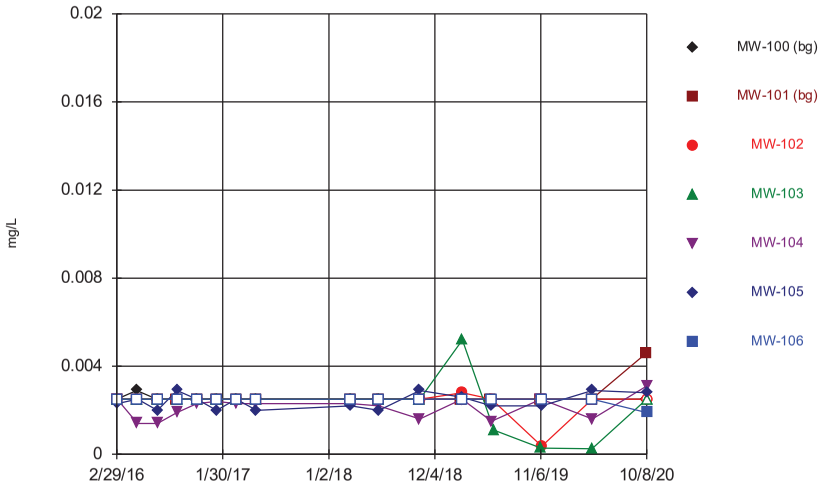
Time Series



Constituent: Chloride Analysis Run 1/7/2021 5:38 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

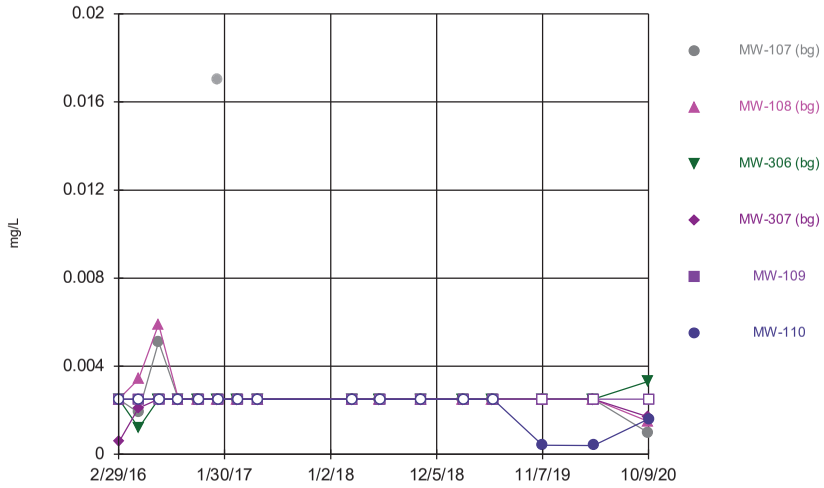
Time Series



Constituent: Chromium Analysis Run 1/7/2021 5:38 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

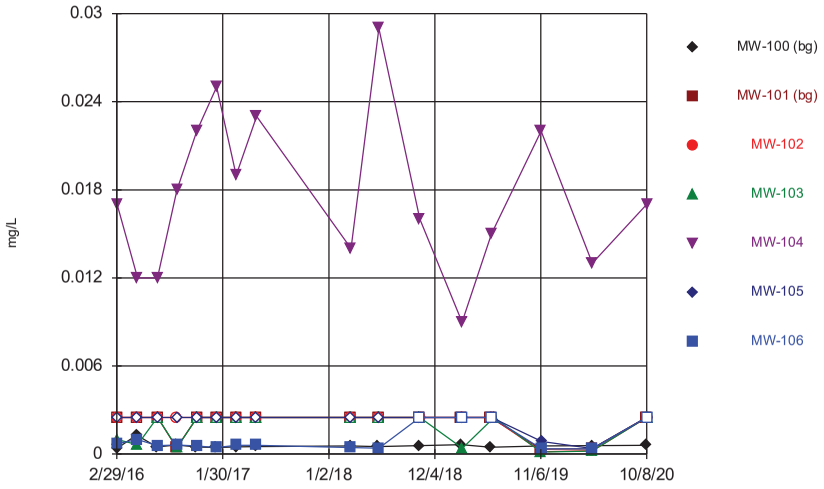
Time Series



Constituent: Chromium Analysis Run 1/7/2021 5:38 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
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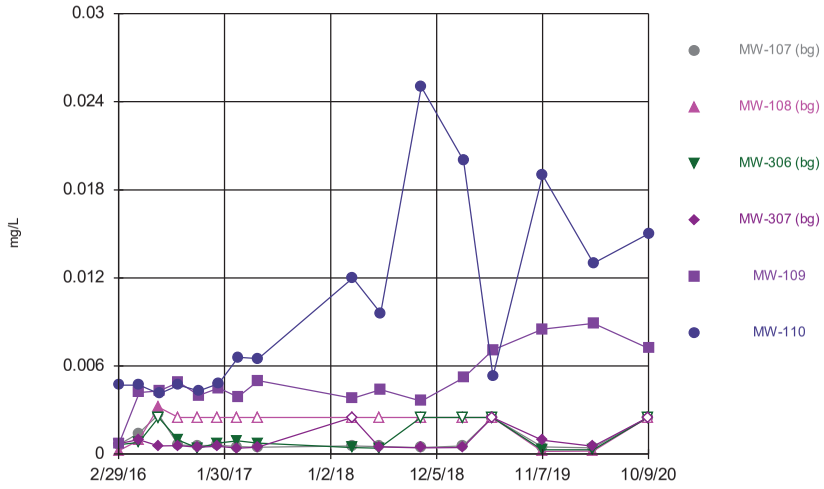
Time Series



Constituent: Cobalt Analysis Run 1/7/2021 5:38 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

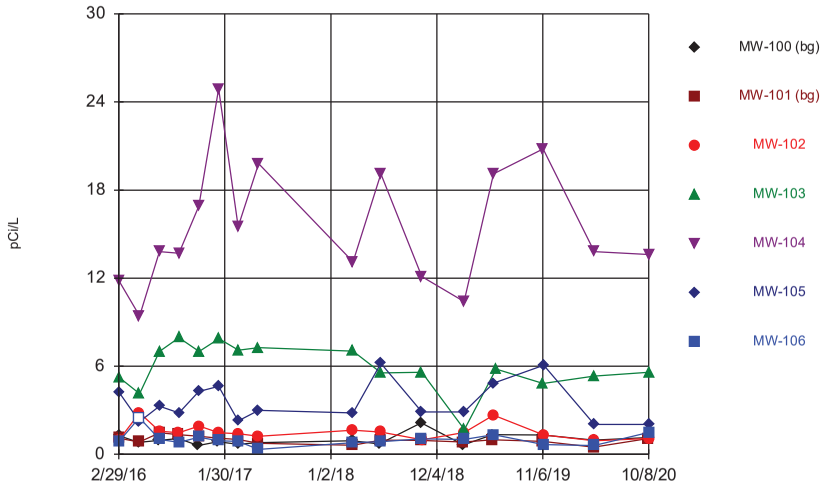
Time Series



Constituent: Cobalt Analysis Run 1/7/2021 5:38 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

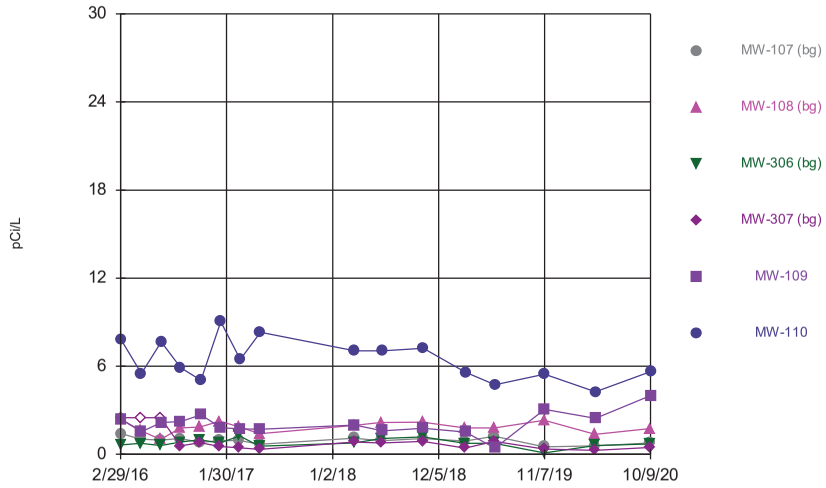
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 1/7/2021 5:38 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

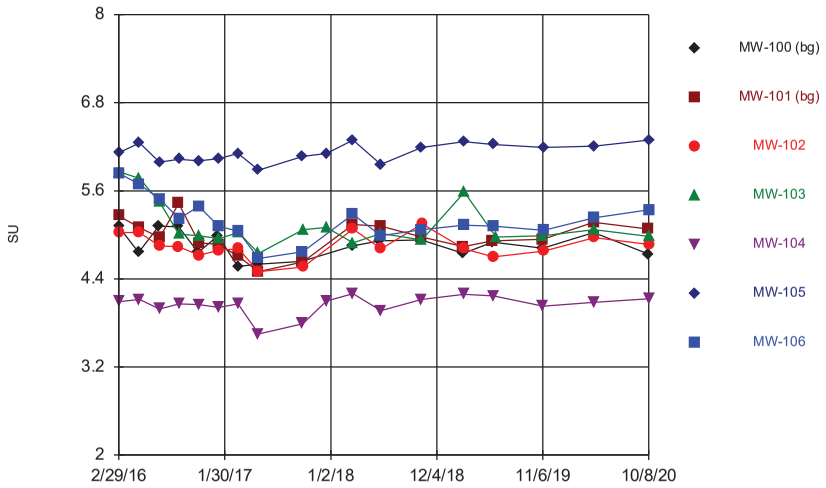
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 1/7/2021 5:38 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

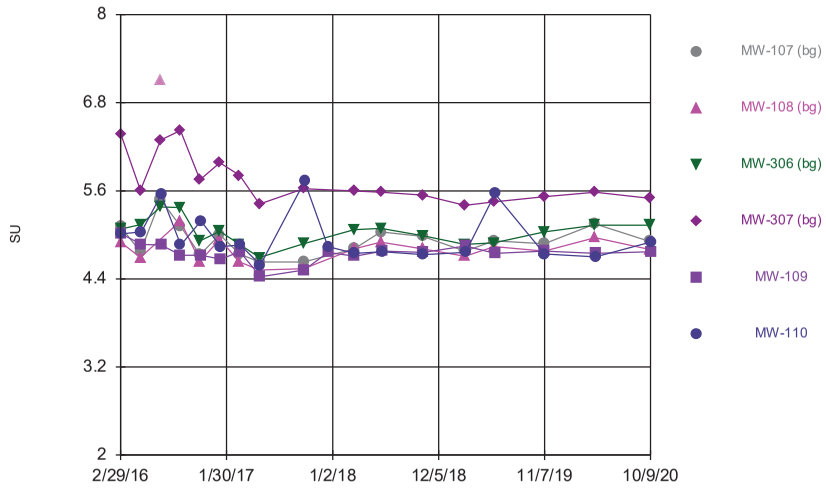
Time Series



Constituent: Field pH Analysis Run 1/7/2021 5:38 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

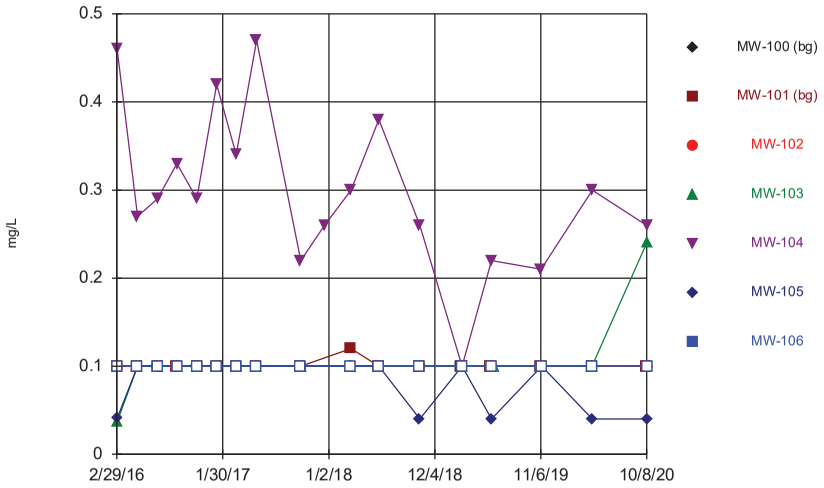
Time Series



Constituent: Field pH Analysis Run 1/7/2021 5:38 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

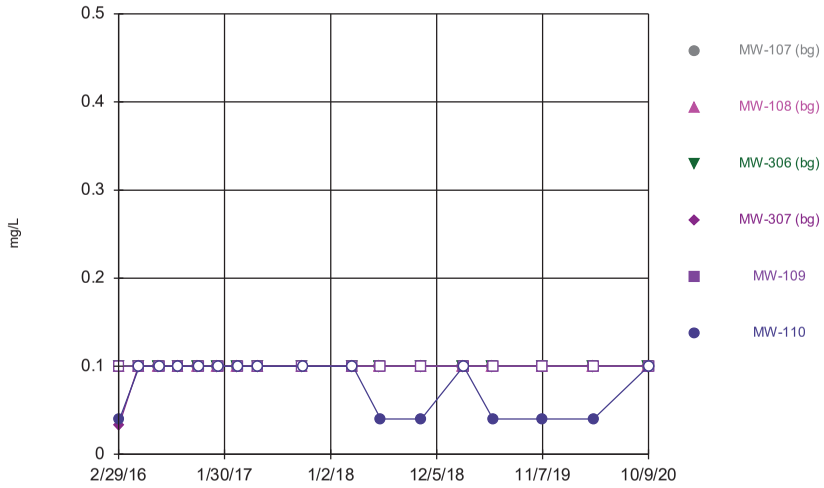
Time Series



Constituent: Fluoride Analysis Run 1/7/2021 5:38 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

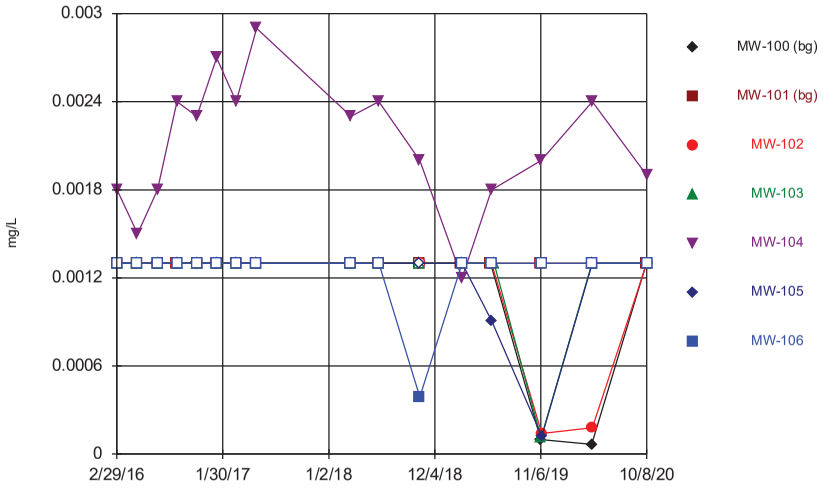
Time Series



Constituent: Fluoride Analysis Run 1/7/2021 5:38 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
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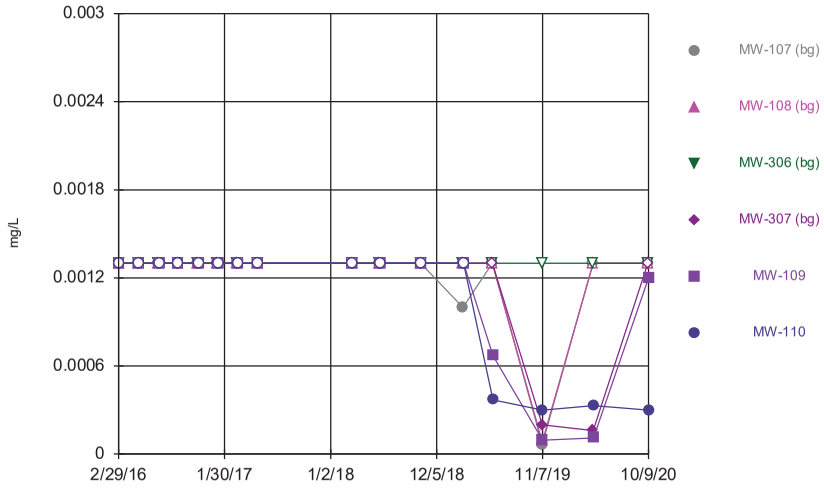
Time Series



Constituent: Lead Analysis Run 1/7/2021 5:38 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

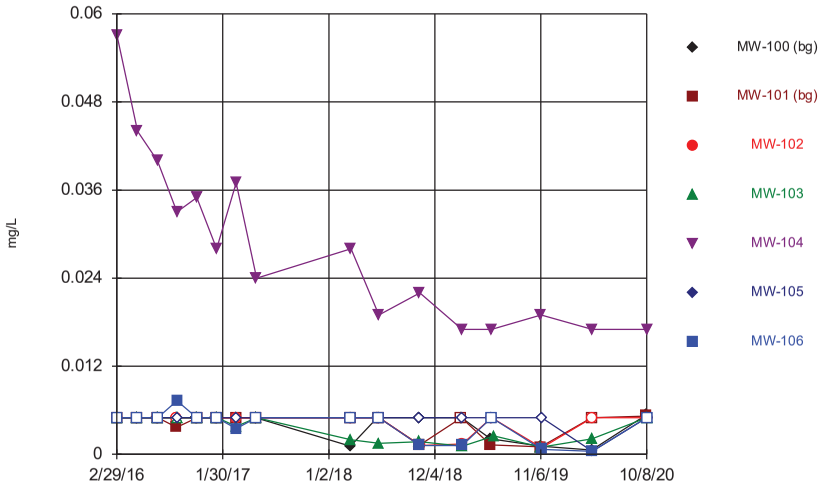
Time Series



Constituent: Lead Analysis Run 1/7/2021 5:38 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

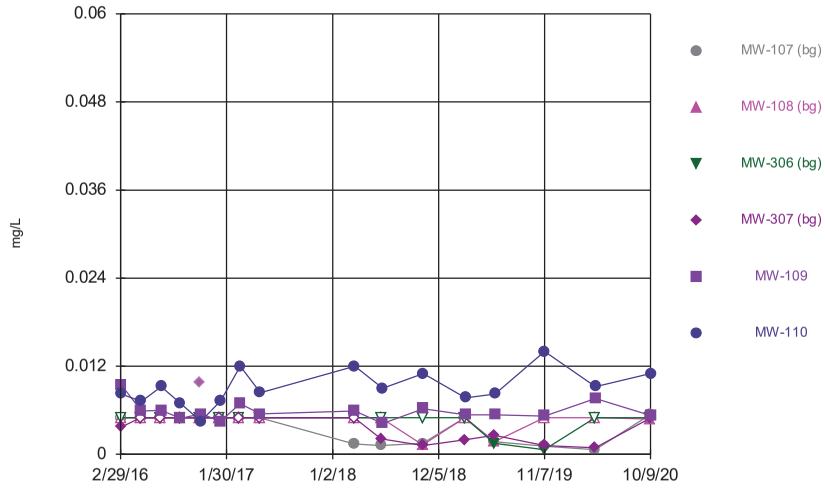
Time Series



Constituent: Lithium Analysis Run 1/7/2021 5:38 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

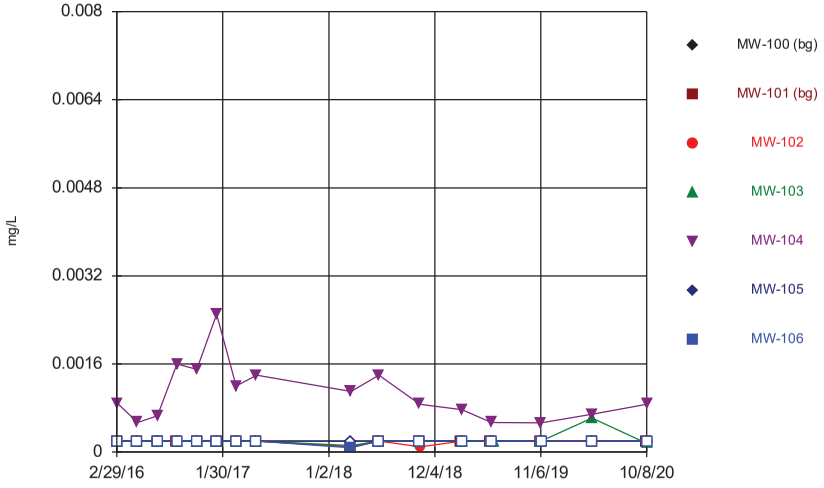
Time Series



Constituent: Lithium Analysis Run 1/7/2021 5:38 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

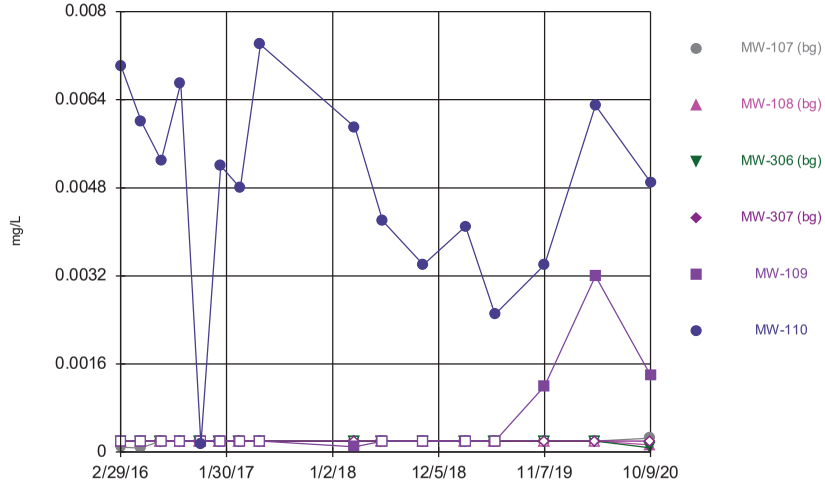
Time Series



Constituent: Mercury Analysis Run 1/7/2021 5:38 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

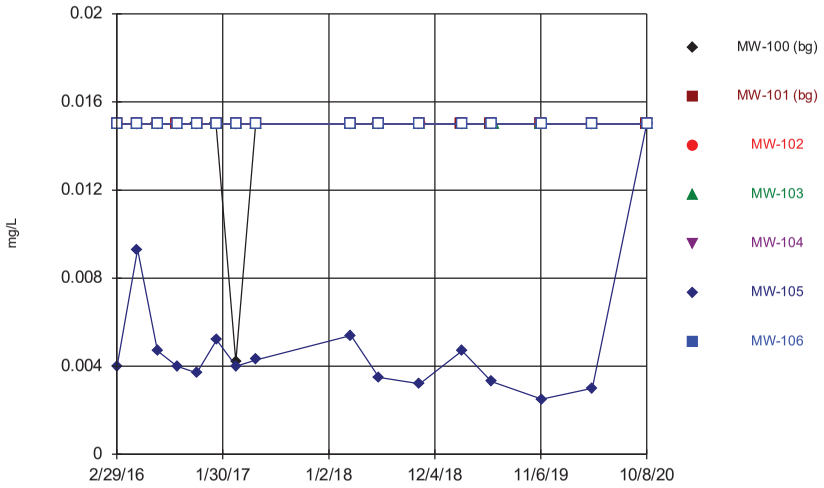
Time Series



Constituent: Mercury Analysis Run 1/7/2021 5:38 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

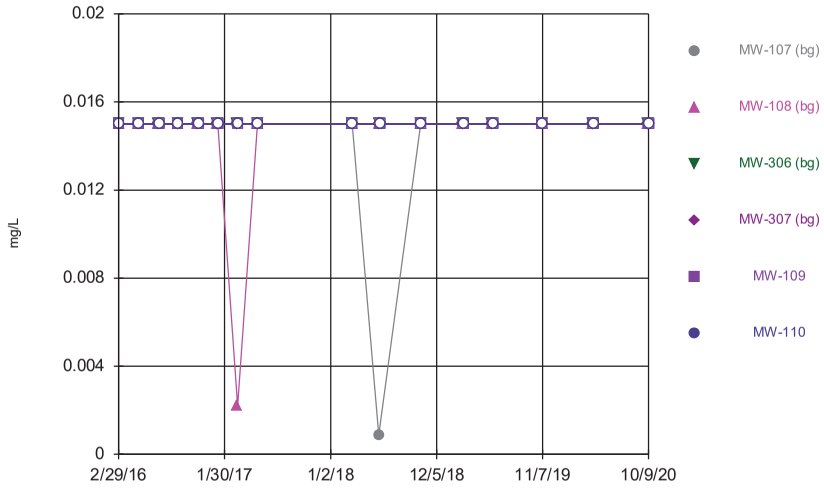
Time Series



Constituent: Molybdenum Analysis Run 1/7/2021 5:38 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

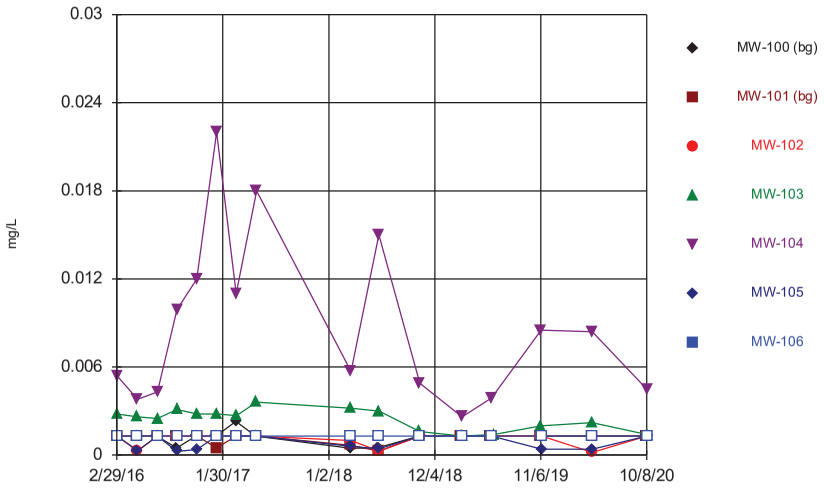
Time Series



Constituent: Molybdenum Analysis Run 1/7/2021 5:38 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

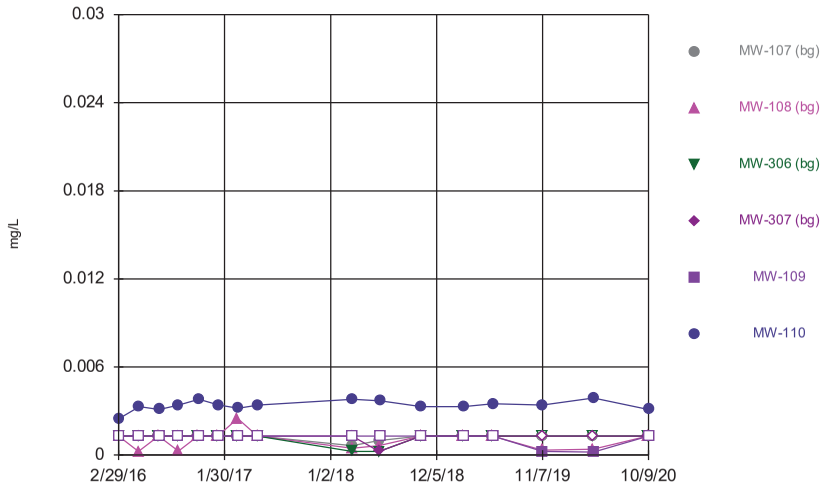
Time Series



Constituent: Selenium Analysis Run 1/7/2021 5:38 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

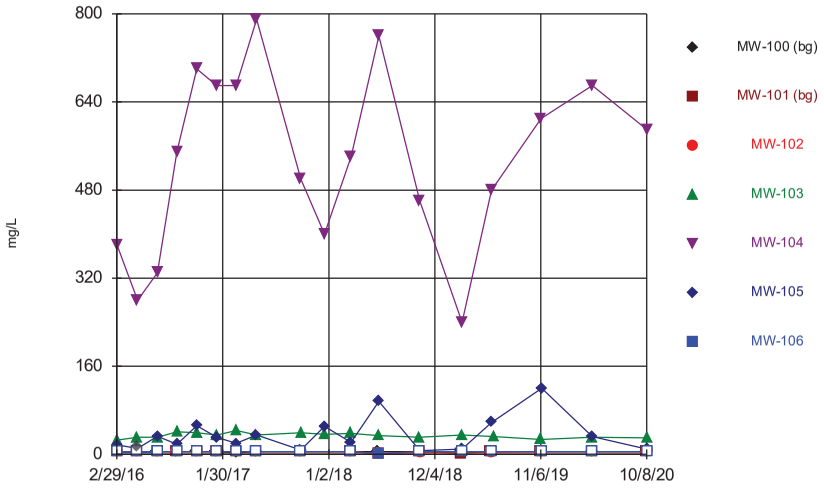
Time Series



Constituent: Selenium Analysis Run 1/7/2021 5:38 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

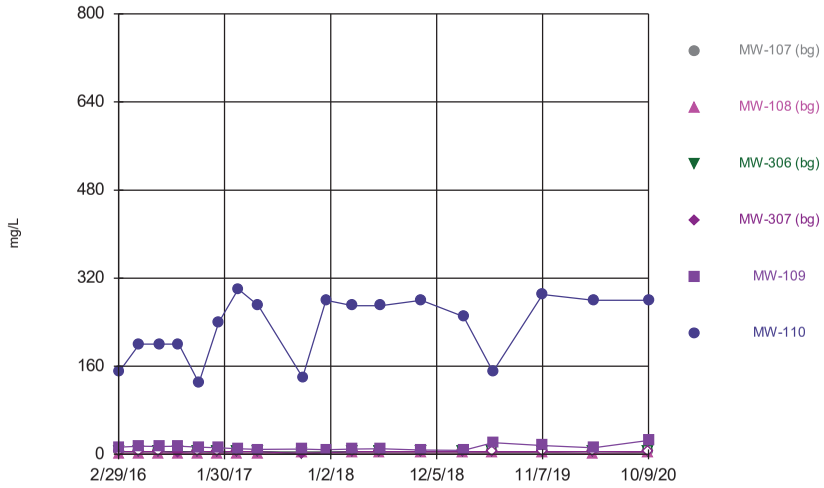
Time Series



Constituent: Sulfate Analysis Run 1/7/2021 5:38 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

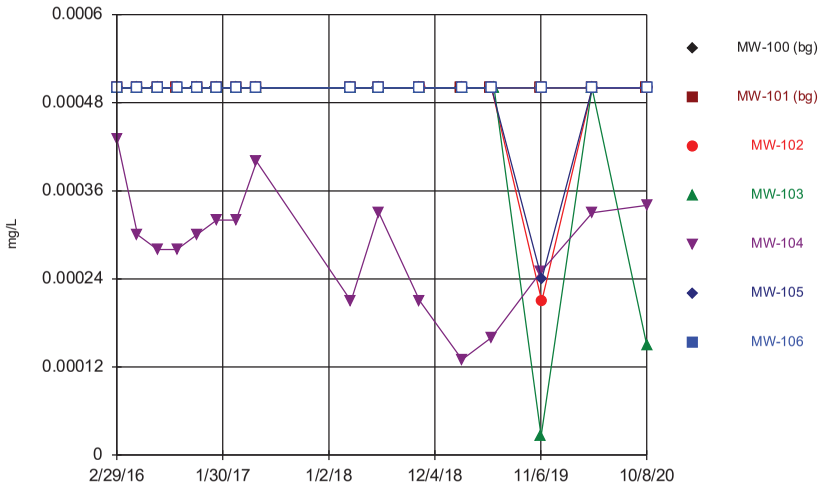
Time Series



Constituent: Sulfate Analysis Run 1/7/2021 5:38 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
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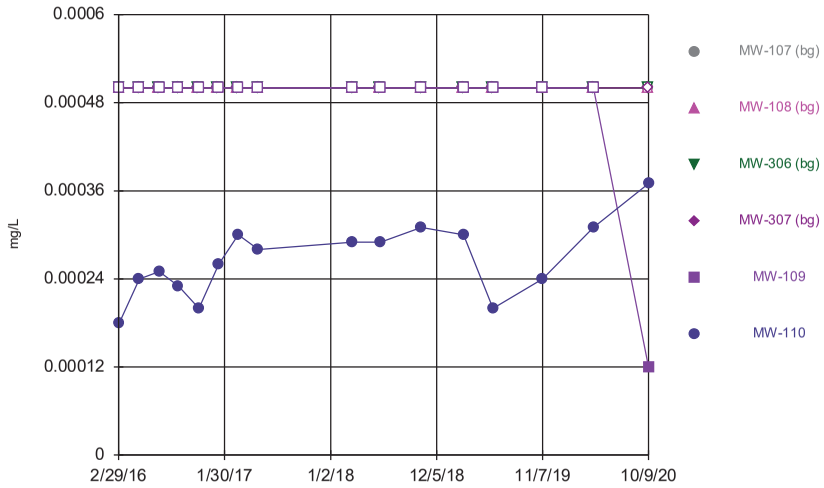
Time Series



Constituent: Thallium Analysis Run 1/7/2021 5:38 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

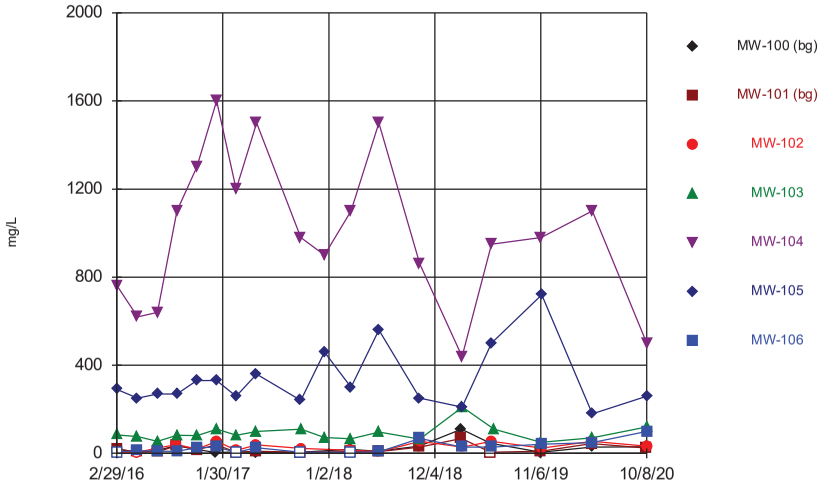
Time Series



Constituent: Thallium Analysis Run 1/7/2021 5:38 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

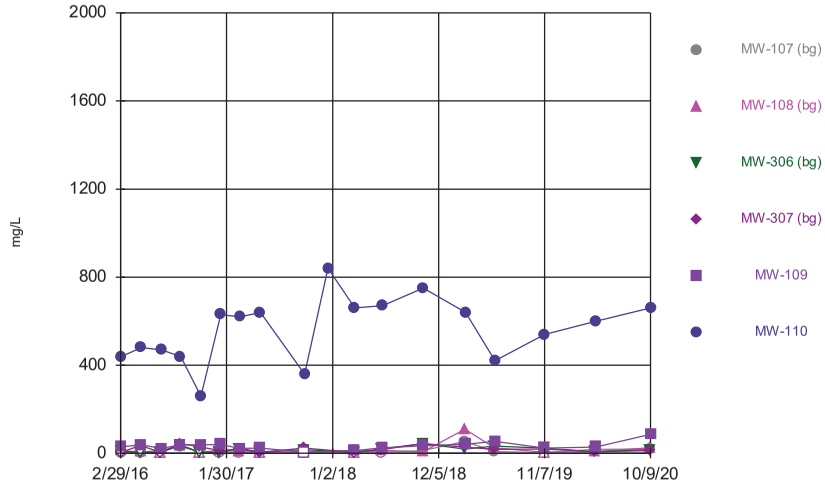
Time Series



Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:38 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:38 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	<0.0025	<0.0025						<0.0025	<0.0025
3/1/2016			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
5/2/2016	<0.0025							<0.0025	<0.0025
5/4/2016		<0.0025					<0.0025		
5/5/2016			<0.0025	<0.0025	<0.0025	<0.0025			
7/5/2016	<0.0025							<0.0025	<0.0025
7/7/2016			<0.0025	<0.0025	<0.0025	<0.0025			
7/8/2016		<0.0025					<0.0025		
9/6/2016	<0.0025	<0.0025	<0.0025					<0.0025	<0.0025
9/7/2016				<0.0025	<0.0025	<0.0025	<0.0025		
11/7/2016	<0.0025							<0.0025	<0.0025
11/9/2016					<0.0025	<0.0025	<0.0025		
11/10/2016		<0.0025	<0.0025	<0.0025					
1/9/2017	<0.0025							<0.0025	<0.0025
1/11/2017		<0.0025			<0.0025	<0.0025	<0.0025		
1/12/2017			<0.0025	<0.0025					
3/13/2017	<0.0025							<0.0025	<0.0025
3/14/2017		<0.0025			<0.0025	<0.0025	<0.0025		
3/15/2017			<0.0025	<0.0025					
5/15/2017	<0.0025							<0.0025	<0.0025
5/18/2017		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
3/12/2018	<0.0025							<0.0025	<0.0025
3/14/2018		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
6/5/2018	<0.0025							<0.0025	<0.0025
6/10/2018		<0.0025			<0.0025	<0.0025	<0.0025		
6/11/2018			<0.0025	<0.0025					
10/16/2018	<0.0025							<0.0025	<0.0025
10/18/2018		<0.0025							
2/27/2019	<0.0025	<0.0025						<0.0025	<0.0025
3/1/2019					<0.0025	<0.0025	<0.0025		
3/2/2019			<0.0025	<0.0025					
4/16/2020	<0.0025	<0.0025						<0.0025	<0.0025
4/17/2020				<0.0025			<0.0025		
4/18/2020			<0.0025		<0.0025	<0.0025			
10/7/2020	<0.0025	<0.0025						<0.0025	<0.0025
10/8/2020			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	<0.0025	<0.0025		
3/2/2016			<0.0025	<0.0025
5/2/2016		<0.0025		
5/3/2016	<0.0025			
5/5/2016			<0.0025	<0.0025
7/5/2016	<0.0025	<0.0025		
7/7/2016			<0.0025	<0.0025
9/6/2016	<0.0025	<0.0025		
9/7/2016			<0.0025	<0.0025
11/7/2016	<0.0025	<0.0025		
11/10/2016			<0.0025	<0.0025
1/9/2017	<0.0025	<0.0025		
1/12/2017			<0.0025	<0.0025
3/13/2017	<0.0025	<0.0025		
3/14/2017			<0.0025	
3/15/2017				<0.0025
5/15/2017	<0.0025	<0.0025		
5/18/2017			<0.0025	<0.0025
3/12/2018	<0.0025	<0.0025		
3/14/2018			<0.0025	<0.0025
6/6/2018	<0.0025	<0.0025		
6/11/2018			<0.0025	<0.0025
10/17/2018	<0.0025	<0.0025		
2/27/2019	<0.0025	<0.0025		
3/1/2019			<0.0025	<0.0025
4/16/2020	<0.0025	<0.0025		
4/17/2020			<0.0025	<0.0025
10/7/2020	<0.0025	<0.0025		
10/9/2020			<0.0025	<0.0025

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	<0.0013	<0.0013						<0.0013	<0.0013
3/1/2016			<0.0013	<0.0013	0.0085	0.0039 (J)	<0.0013		
5/2/2016	<0.0013							<0.0013	<0.0013
5/4/2016		<0.0013					<0.0013		
5/5/2016			<0.0013	<0.0013	0.0077	0.0039			
7/5/2016	<0.0013							<0.0013	<0.0013
7/7/2016			<0.0013	<0.0013	0.0082	0.0037			
7/8/2016		<0.0013					<0.0013		
9/6/2016	<0.0013	<0.0013	<0.0013					<0.0013	<0.0013
9/7/2016				<0.0013	0.012	0.0032	<0.0013		
11/7/2016	<0.0013							<0.0013	<0.0013
11/9/2016					0.0071	0.0038	<0.0013		
11/10/2016		<0.0013	0.0005 (J)	0.00051 (J)					
1/9/2017	<0.0013							<0.0013	<0.0013
1/11/2017		<0.0013			0.0071	0.0035	<0.0013		
1/12/2017			<0.0013	<0.0013					
3/13/2017	0.00069 (J)							<0.0013	0.00069 (J)
3/14/2017		<0.0013			0.0067	0.0036	<0.0013		
3/15/2017			<0.0013	<0.0013					
5/15/2017	<0.0013							<0.0013	<0.0013
5/18/2017		<0.0013	<0.0013	<0.0013	0.0087	0.0036	<0.0013		
3/12/2018	<0.0013							<0.0013	<0.0013
3/14/2018		<0.0013	<0.0013	<0.0013	0.0027	0.0039	<0.0013		
6/5/2018	<0.0013							<0.0013	<0.0013
6/10/2018		0.00046 (J)			0.0047	0.0034	<0.0013		
6/11/2018			<0.0013	<0.0013					
10/16/2018	<0.0013							<0.0013	<0.0013
10/18/2018		<0.0013		<0.0013	0.0019	0.0044	<0.0013		
10/19/2018			<0.0013						
2/27/2019	<0.0013	<0.0013						<0.0013	<0.0013
3/1/2019					<0.0013	0.0047	<0.0013		
3/2/2019			<0.0013	<0.0013					
5/31/2019	<0.0013	<0.0013						<0.0013	<0.0013
6/3/2019			<0.0013		0.003	0.0045	<0.0013		
6/11/2019				<0.0013					
11/6/2019	0.0002 (J)	0.00019 (J)						0.0002 (J)	0.00012 (J)
11/7/2019				0.00019 (J)	8.9E-05 (J)				
11/9/2019			<0.0013			0.0045	<0.0013		
4/16/2020	<0.0013	<0.0013						<0.0013	<0.0013
4/17/2020				<0.0013			<0.0013		
4/18/2020			<0.0013		0.0014	0.0054			
10/7/2020	<0.0013	0.00056 (J)						<0.0013	<0.0013
10/8/2020			<0.0013	0.0021	0.0019	0.0046	<0.0013		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	<0.0013	0.00038 (J)		
3/2/2016			<0.0013	<0.0013
5/2/2016		0.00073 (J)		
5/3/2016	<0.0013			
5/5/2016			<0.0013	0.00061 (J)
7/5/2016	<0.0013	0.00077 (J)		
7/7/2016			<0.0013	<0.0013
9/6/2016	<0.0013	0.0013		
9/7/2016			<0.0013	<0.0013
11/7/2016	<0.0013	<0.0013		
11/10/2016			<0.0013	0.00047 (J)
1/9/2017	<0.0013	0.00053 (J)		
1/12/2017			<0.0013	<0.0013
3/13/2017	<0.0013	<0.0013		
3/14/2017			<0.0013	
3/15/2017				<0.0013
5/15/2017	<0.0013	<0.0013		
5/18/2017			<0.0013	0.00051 (J)
3/12/2018	<0.0013	<0.0013		
3/14/2018			<0.0013	0.00056 (J)
6/6/2018	<0.0013	<0.0013		
6/11/2018			<0.0013	0.0005 (J)
10/17/2018	<0.0013	<0.0013		
10/18/2018			<0.0013	<0.0013
2/27/2019	<0.0013	<0.0013		
3/1/2019			<0.0013	<0.0013
5/31/2019	<0.0013	<0.0013		
6/3/2019			<0.0013	<0.0013
11/6/2019	0.00014 (J)	0.00024 (J)		
11/7/2019			0.00025 (V)	0.0002 (J)
4/16/2020	<0.0013	<0.0013		
4/17/2020			<0.0013	0.00012 (J)
10/7/2020	0.00064 (J)	<0.0013		
10/9/2020			<0.0013	<0.0013

Time Series

Constituent: Barium (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	0.014	0.0097 (J)						0.013	0.013
3/1/2016			0.0081 (J)	0.055	0.017	0.043	0.016		
5/2/2016	0.013							0.013	0.01
5/4/2016		0.0095					0.012		
5/5/2016			0.011	0.056	0.018	0.033			
7/5/2016	0.013							0.013	0.0089
7/7/2016			0.012	0.055	0.02	0.042			
7/8/2016		0.0093					0.015		
9/6/2016	0.016	0.011	0.012					0.013	0.01
9/7/2016				0.07	0.027	0.043	0.012		
11/7/2016	0.014							0.013	0.0096
11/9/2016					0.022	0.046	0.01		
11/10/2016		0.0092	0.0099	0.061					
1/9/2017	0.015							0.012	0.011
1/11/2017		0.0092			0.03	0.042	0.01		
1/12/2017			0.0085	0.058					
3/13/2017	0.015							0.013	0.011
3/14/2017		0.0095			0.02	0.038	0.0097		
3/15/2017			0.009	0.07					
5/15/2017	0.015							0.011	0.0089
5/18/2017		0.0095	0.0095	0.068	0.027	0.051	0.01		
3/12/2018	0.017							0.013	0.01
3/14/2018		0.0089	0.0084	0.052	0.025	0.038	0.0096		
6/5/2018	0.018							0.014	0.011
6/10/2018		0.0092			0.025	0.055	0.0089		
6/11/2018			0.0089	0.053					
10/16/2018	0.017							0.011	0.011
10/18/2018		0.0089		0.052	0.021	0.035	0.0096		
10/19/2018			0.0085						
2/27/2019	0.021	0.011						0.014	0.011
3/1/2019					0.018	0.032	0.0095		
3/2/2019			0.01	0.011					
5/31/2019	0.02	0.0088						0.013	0.01
6/3/2019			0.012		0.031	0.05	0.0098		
6/11/2019				0.043					
11/6/2019	0.019	0.0094						0.012	0.0097
11/7/2019				0.04	0.02				
11/9/2019			0.011			0.06	0.011		
4/16/2020	0.02	0.0099						0.012	0.012
4/17/2020				0.05			0.012		
4/18/2020			0.012		0.021	0.045			
10/7/2020	0.02	0.0088						0.012	0.011
10/8/2020			0.0086	0.037	0.022	0.028	0.0099		

Time Series

Constituent: Barium (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	0.012	0.015		
3/2/2016			0.022	0.058
5/2/2016		0.013		
5/3/2016	0.012			
5/5/2016			0.02	0.05
7/5/2016	0.011	0.017		
7/7/2016			0.021	0.044
9/6/2016	0.012	0.017		
9/7/2016			0.023	0.051
11/7/2016	0.012	0.023		
11/10/2016			0.019	0.046
1/9/2017	0.013	0.016		
1/12/2017			0.018	0.047
3/13/2017	0.013	0.016		
3/14/2017			0.02	
3/15/2017				0.046
5/15/2017	0.012	0.015		
5/18/2017			0.019	0.045
3/12/2018	0.013	0.015		
3/14/2018			0.017	0.036
6/6/2018	0.014	0.017		
6/11/2018			0.016	0.036
10/17/2018	0.012	0.016		
10/18/2018			0.019	0.035
2/27/2019	0.015	0.018		
3/1/2019			0.018	0.036
5/31/2019	0.014	0.016		
6/3/2019			0.017	0.04
11/6/2019	0.013	0.017		
11/7/2019			0.019	0.027
4/16/2020	0.014	0.017		
4/17/2020			0.026	0.032
10/7/2020	0.013	0.016		
10/9/2020			0.026	0.026

Time Series

Constituent: Beryllium (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	<0.0025	<0.0025						<0.0025	<0.0025
3/1/2016			<0.0025	<0.0025	0.0013 (J)	<0.0025	<0.0025		
5/2/2016	<0.0025							<0.0025	<0.0025
5/4/2016		<0.0025					<0.0025		
5/5/2016			<0.0025	<0.0025	0.00088 (J)	<0.0025			
7/5/2016	<0.0025							<0.0025	<0.0025
7/7/2016			<0.0025	<0.0025	0.001 (J)	<0.0025			
7/8/2016		<0.0025					<0.0025		
9/6/2016	<0.0025	<0.0025	<0.0025					<0.0025	<0.0025
9/7/2016				<0.0025	0.00078 (J)	<0.0025	<0.0025		
11/7/2016	<0.0025							<0.0025	<0.0025
11/9/2016					0.0012 (J)	<0.0025	<0.0025		
11/10/2016		<0.0025	<0.0025	<0.0025					
1/9/2017	<0.0025							<0.0025	<0.0025
1/11/2017		<0.0025			0.0014 (J)	<0.0025	<0.0025		
1/12/2017			<0.0025	<0.0025					
3/13/2017	<0.0025							<0.0025	<0.0025
3/14/2017		<0.0025			0.0013 (J)	<0.0025	<0.0025		
3/15/2017			<0.0025	<0.0025					
5/15/2017	<0.0025							<0.0025	<0.0025
5/18/2017		<0.0025	<0.0025	<0.0025	0.0016 (J)	<0.0025	<0.0025		
3/12/2018	<0.0025							<0.0025	<0.0025
3/14/2018		<0.0025	<0.0025	<0.0025	0.0011 (J)	<0.0025	<0.0025		
6/5/2018	<0.0025							<0.0025	<0.0025
6/10/2018		<0.0025			0.0011 (J)	<0.0025	<0.0025		
6/11/2018			<0.0025	<0.0025					
10/16/2018	<0.0025							<0.0025	<0.0025
10/18/2018		<0.0025		<0.0025	0.00084 (J)	<0.0025	<0.0025		
10/19/2018			<0.0025						
2/27/2019	<0.0025	<0.0025						<0.0025	<0.0025
3/1/2019					0.00057 (J)	<0.0025	<0.0025		
3/2/2019			<0.0025	<0.0025					
5/31/2019	<0.0025	<0.0025						<0.0025	<0.0025
6/3/2019			<0.0025		0.00074 (J)	<0.0025	<0.0025		
6/11/2019				<0.0025					
11/6/2019	9E-05 (J)	4.7E-05 (J)						6.6E-05 (J)	<0.0025
11/7/2019				<0.0025	0.00065				
11/9/2019			<0.0025			<0.0025	<0.0025		
4/16/2020	5.4E-05 (J)	4.3E-05 (J)						6.1E-05 (J)	<0.0025
4/17/2020				<0.0025			<0.0025		
4/18/2020			0.00011 (J)		0.00096	<0.0025			
10/7/2020	0.0014 (J)	0.0014 (J)						0.0015 (J)	0.0015 (J)
10/8/2020			<0.0025	<0.0025	0.00039 (J)	<0.0025	<0.0025		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	<0.0025	<0.0025		
3/2/2016			<0.0025	<0.0025
5/2/2016		<0.0025		
5/3/2016	<0.0025			
5/5/2016			<0.0025	<0.0025
7/5/2016	<0.0025	<0.0025		
7/7/2016			<0.0025	<0.0025
9/6/2016	<0.0025	<0.0025		
9/7/2016			<0.0025	<0.0025
11/7/2016	<0.0025	<0.0025		
11/10/2016			<0.0025	<0.0025
1/9/2017	<0.0025	<0.0025		
1/12/2017			<0.0025	<0.0025
3/13/2017	<0.0025	<0.0025		
3/14/2017			<0.0025	
3/15/2017				<0.0025
5/15/2017	<0.0025	<0.0025		
5/18/2017			<0.0025	<0.0025
3/12/2018	<0.0025	<0.0025		
3/14/2018			<0.0025	<0.0025
6/6/2018	<0.0025	<0.0025		
6/11/2018			<0.0025	<0.0025
10/17/2018	<0.0025	<0.0025		
10/18/2018			<0.0025	<0.0025
2/27/2019	<0.0025	<0.0025		
3/1/2019			<0.0025	<0.0025
5/31/2019	<0.0025	<0.0025		
6/3/2019			<0.0025	<0.0025
11/6/2019	<0.0025	<0.0025		
11/7/2019			<0.0025	8.4E-05 (J)
4/16/2020	<0.0025	<0.0025		
4/17/2020			4.4E-05 (J)	0.00013 (J)
10/7/2020	0.0014 (J)	0.0014 (J)		
10/9/2020			<0.0025	<0.0025

Time Series

Constituent: Boron (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	<0.05	<0.05						<0.05	<0.05
3/1/2016			<0.05	<0.05 (*)	8.7	<0.05 (*)	<0.05		
5/2/2016	<0.05							<0.05	<0.05
5/4/2016		<0.05					<0.05 (*)		
5/5/2016			<0.05	<0.05 (*)	7.8	<0.05 (*)			
7/5/2016	<0.05							<0.05	<0.05
7/7/2016			<0.05	0.33	7	1			
7/8/2016		<0.05					<0.05		
9/6/2016	<0.05	<0.05	<0.05					<0.05	<0.05
9/7/2016				0.37	12	0.53	0.022 (J)		
11/7/2016	<0.05							<0.05	<0.05
11/9/2016					9.6	1.6	<0.05		
11/10/2016		<0.05	<0.05	0.43					
1/9/2017	<0.05							<0.05	<0.05
1/11/2017		<0.05			11	0.9	<0.05		
1/12/2017			<0.05	0.44					
3/13/2017	<0.05							<0.05	0.022 (J)
3/14/2017		<0.05			10	0.63	0.071		
3/15/2017			<0.05	0.46					
5/15/2017	<0.05							<0.05	<0.05
5/18/2017		<0.05	<0.05	0.44	15	1.5	<0.05 (*)		
10/2/2017	<0.05							<0.05	0.023 (J)
10/5/2017		<0.05			12	0.32	<0.05		
10/6/2017			<0.05	0.37					
12/19/2017				0.35 (R)	11 (R)	1.6 (R)			
3/12/2018	<0.05							<0.05	<0.05
3/14/2018		<0.05	<0.05	0.32	11	0.7	<0.05		
6/5/2018	<0.05							<0.05	<0.05
6/10/2018		<0.05			12	2.4	0.066		
6/11/2018			<0.05	0.26					
10/16/2018	<0.05							<0.05	<0.05
10/18/2018		0.081		0.25	9.6	0.43	0.067		
10/19/2018			0.34						
2/27/2019	<0.05	<0.05						<0.05	<0.05
3/1/2019					6.5	0.4	0.048 (J)		
3/2/2019			<0.05	<0.05					
5/31/2019	<0.05	<0.05						<0.05	<0.05
6/3/2019			0.17		11	1.7	<0.05		
6/11/2019				0.39					
11/6/2019	0.017 (V)	0.016 (V)						0.016 (V)	0.022 (V)
11/7/2019				0.19	11				
11/9/2019			0.023 (J)			1.8	0.097 (V)		
4/16/2020	0.02	0.013						0.013	0.017
4/17/2020				0.31			0.07		
4/18/2020			0.012		11	1.7			
10/7/2020	<0.05	<0.05						<0.05	<0.05
10/8/2020			0.033 (J)	0.31	12	0.37	0.031 (J)		

Time Series

Constituent: Boron (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	<0.05	<0.05		
3/2/2016			<0.05 (*)	3
5/2/2016		<0.05		
5/3/2016	<0.05			
5/5/2016			<0.05 (*)	2.9
7/5/2016	<0.05	<0.05		
7/7/2016			0.1	3
9/6/2016	<0.05	<0.05		
9/7/2016			0.073	3.8
11/7/2016	<0.05	<0.05		
11/10/2016			0.073	2.1
1/9/2017	<0.05	<0.05		
1/12/2017			0.059	4
3/13/2017	<0.05	<0.05		
3/14/2017			0.044 (J)	
3/15/2017				4.2
5/15/2017	<0.05	<0.05		
5/18/2017			<0.05 (*)	4.4
10/2/2017	<0.05	<0.05		
10/5/2017			0.047 (J)	
10/6/2017				2.3
12/19/2017				5.3 (R)
3/12/2018	<0.05	<0.05		
3/14/2018			<0.05	4.6
6/6/2018	<0.05	<0.05		
6/11/2018			0.11	4.2
10/17/2018	<0.05	<0.05		
10/18/2018			0.15	4.3
2/27/2019	<0.05	<0.05		
3/1/2019			0.23	3.8
5/31/2019	<0.05	<0.05		
6/3/2019			0.45	3
11/6/2019	0.011 (V)	0.0099 (J)		
11/7/2019			0.42	4.2
4/16/2020	0.0075 (J)	0.0055 (J)		
4/17/2020			0.83	4.6
10/7/2020	<0.05	<0.05		
10/9/2020			0.37	4.8

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	<0.0025	<0.0025						<0.0025	<0.0025
3/1/2016			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
5/2/2016	<0.0025							<0.0025	<0.0025
5/4/2016		<0.0025					<0.0025		
5/5/2016			<0.0025	<0.0025	<0.0025	<0.0025			
7/5/2016	<0.0025							<0.0025	<0.0025
7/7/2016			<0.0025	<0.0025	<0.0025	<0.0025			
7/8/2016		<0.0025					<0.0025		
9/6/2016	<0.0025	<0.0025	<0.0025					<0.0025	<0.0025
9/7/2016				<0.0025	<0.0025	<0.0025	<0.0025		
11/7/2016	<0.0025							<0.0025	<0.0025
11/9/2016					<0.0025	<0.0025	<0.0025		
11/10/2016		<0.0025	<0.0025	<0.0025					
1/9/2017	<0.0025							<0.0025	<0.0025
1/11/2017		<0.0025			0.00049 (J)	<0.0025	<0.0025		
1/12/2017			<0.0025	<0.0025					
3/13/2017	<0.0025							<0.0025	<0.0025
3/14/2017		<0.0025			<0.0025	<0.0025	<0.0025		
3/15/2017			<0.0025	<0.0025					
5/15/2017	<0.0025							<0.0025	<0.0025
5/18/2017		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
3/12/2018	<0.0025							<0.0025	<0.0025
3/14/2018		<0.0025	<0.0025	<0.0025	0.00052 (J)	<0.0025	<0.0025		
6/5/2018	<0.0025							<0.0025	<0.0025
6/10/2018		<0.0025			0.00049 (J)	<0.0025	<0.0025		
6/11/2018			<0.0025	<0.0025					
10/16/2018	<0.0025							<0.0025	<0.0025
10/18/2018		<0.0025		<0.0025	0.00044 (J)	<0.0025	<0.0025		
10/19/2018			<0.0025						
2/27/2019	<0.0025	<0.0025						<0.0025	<0.0025
3/1/2019					0.00038 (J)	<0.0025	<0.0025		
3/2/2019			<0.0025	<0.0025					
5/31/2019	<0.0025	<0.0025						<0.0025	<0.0025
6/3/2019			<0.0025		0.0006 (J)	<0.0025	<0.0025		
6/11/2019				<0.0025					
11/6/2019	<0.0025	<0.0025						<0.0025	<0.0025
11/7/2019				<0.0025	0.00075				
11/9/2019			<0.0025			<0.0025	<0.0025		
4/16/2020	<0.0025	<0.0025						<0.0025	<0.0025
4/17/2020				<0.0025			<0.0025		
4/18/2020			<0.0025		0.00037 (J)	<0.0025			
10/7/2020	<0.0025	<0.0025						<0.0025	<0.0025
10/8/2020			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	<0.0025	<0.0025		
3/2/2016			<0.0025	<0.0025
5/2/2016		<0.0025		
5/3/2016	<0.0025			
5/5/2016			<0.0025	<0.0025
7/5/2016	<0.0025	<0.0025		
7/7/2016			<0.0025	<0.0025
9/6/2016	<0.0025	<0.0025		
9/7/2016			<0.0025	<0.0025
11/7/2016	<0.0025	<0.0025		
11/10/2016			<0.0025	<0.0025
1/9/2017	<0.0025	<0.0025		
1/12/2017			<0.0025	<0.0025
3/13/2017	<0.0025	<0.0025		
3/14/2017			<0.0025	
3/15/2017				<0.0025
5/15/2017	<0.0025	<0.0025		
5/18/2017			<0.0025	<0.0025
3/12/2018	<0.0025	<0.0025		
3/14/2018			<0.0025	<0.0025
6/6/2018	<0.0025	<0.0025		
6/11/2018			<0.0025	<0.0025
10/17/2018	<0.0025	<0.0025		
10/18/2018			<0.0025	<0.0025
2/27/2019	<0.0025	<0.0025		
3/1/2019			<0.0025	<0.0025
5/31/2019	<0.0025	<0.0025		
6/3/2019			<0.0025	<0.0025
11/6/2019	<0.0025	<0.0025		
11/7/2019			7.8E-05 (J)	0.00032 (J)
4/16/2020	<0.0025	<0.0025		
4/17/2020			<0.0025	0.00011 (J)
10/7/2020	<0.0025	<0.0025		
10/9/2020			<0.0025	<0.0025

Time Series

Constituent: Calcium (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	1	1 (J)						0.67	1.4
3/1/2016			0.99 (J)	5.6	46	63	1.8		
5/2/2016	0.78							0.58	1.1
5/4/2016		0.62					1.1		
5/5/2016			1.2	5.4	37	58			
7/5/2016	0.65							0.43	0.94
7/7/2016			1.1	3.9	38	55			
7/8/2016		0.4					0.82		
9/6/2016	0.7	0.45	1					0.48	1
9/7/2016				4.2	55	59	0.57		
11/7/2016	0.8							0.56	1.2
11/9/2016					52	61	0.62		
11/10/2016		0.44	0.73	3.5					
1/9/2017	0.74							0.43	1.2
1/11/2017		0.42			56	66	0.44		
1/12/2017			0.63	3.3					
3/13/2017	0.78							0.48	1.3
3/14/2017		0.42			55	63	0.46		
3/15/2017			0.72	4.1					
5/15/2017	0.76							0.37	1
5/18/2017		0.38	0.71	3.9	61	68	0.41		
10/2/2017	0.78							0.47	1.2
10/5/2017		0.39			55	58	0.39		
10/6/2017			0.56	4.3					
12/19/2017				3.7 (R)	47 (R)	69 (R)			
3/12/2018	0.88							0.49	1.4
3/14/2018		0.49	0.63	3.9	55	62	0.47		
6/5/2018	0.9							0.49	1.2
6/10/2018		0.39			67	86	0.39		
6/11/2018			0.55	3.5					
10/16/2018	0.86							0.42	1.4
10/18/2018		0.41		3.1	52	63	0.47		
10/19/2018			0.37						
2/27/2019	0.96	0.44						0.56	1.3
3/1/2019					28	51	0.46		
3/2/2019			0.57	0.56					
5/31/2019	0.76	0.28						0.33	1.1
6/3/2019			2		49	65	0.38		
6/11/2019				3.5					
11/6/2019	0.88	0.46						0.49	1.2
11/7/2019				3.4	62				
11/9/2019			0.61 (V)			84	0.56 (V)		
4/16/2020	0.84	0.38						0.36	1.3
4/17/2020				3.5			0.42		
4/18/2020			0.45		62	58			
10/7/2020	0.93	0.47						0.43	1.6
10/8/2020			0.67	3.7	59	50	0.51		

Time Series

Constituent: Calcium (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	0.6	1.5		
3/2/2016			2	23
5/2/2016		0.83		
5/3/2016	0.55			
5/5/2016			2.6	21
7/5/2016	0.53	1.6		
7/7/2016			2.9	20
9/6/2016	0.5	1.6		
9/7/2016			3.1	20
11/7/2016	0.68	1.5		
11/10/2016			2.7	8.7
1/9/2017	0.56	0.98		
1/12/2017			2.9	27
3/13/2017	0.62	0.75		
3/14/2017			3.1	
3/15/2017				32
5/15/2017	0.58	0.83		
5/18/2017			3	30
10/2/2017	0.62	0.83		
10/5/2017			3.7	
10/6/2017				15
12/19/2017			3.1 (R)	41 (R)
3/12/2018	0.59	0.71		
3/14/2018			3.1	35
6/6/2018	0.59	0.68		
6/11/2018			2.6	30
10/17/2018	0.54	0.66		
10/18/2018			2.8	38
2/27/2019	0.63	0.7		
3/1/2019			3.1	28
5/31/2019	0.45	0.52		
6/3/2019			3.9	13
11/6/2019	0.55	0.74		
11/7/2019			4.3	32
4/16/2020	0.53	0.59		
4/17/2020			5.2	29
10/7/2020	0.63	0.67		
10/9/2020			5.9	31

Time Series

Constituent: Chloride (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	5.3	5.4						8.1	7.4
3/1/2016			4.8	6.6	90	36	4.4		
5/2/2016	4.4							6	6.3
5/4/2016		4.5					3		
5/5/2016			5.6	6.5	63	34			
7/5/2016	4.2							5.2	4.8
7/7/2016			5	7.3	75	34			
7/8/2016		4.9					3.5		
9/6/2016	4.3	4.3	4.8					5.5	6
9/7/2016				7.4	140	33	3.3		
11/7/2016	4.2							5.4	5.7
11/9/2016					180	38	3.9		
11/10/2016		4.5	4.7	8.4					
1/9/2017	5.3							6.1	6.8
1/11/2017		5.3			200	34	4.1		
1/12/2017			5.6	9.2					
3/13/2017	5.2							5.5	6.8
3/14/2017		5.5			150	35	4		
3/15/2017			5.9	9.5					
5/15/2017	4.8							4.7	6.1
5/18/2017		5	5.7	9.9	190	60	4		
10/2/2017	5.5							6.1	6
10/5/2017		5.6			120	33	4.5		
10/6/2017			6	10					
12/19/2017				9.3 (R)	84 (R)	120 (R)			
3/12/2018	5.3							6.1	5.9
3/14/2018		5.2	5.2	7.7	160	45	3.7		
6/5/2018	5.3							5.5	6.5
6/10/2018		5.2			190	140	3.6		
6/11/2018			4.9	8					
10/16/2018	5.5							5.1	5.9
10/18/2018		5.2		12	100	32	5		
10/19/2018			6.7						
2/27/2019	4.6	5.1						5	4.3
3/1/2019					42	30	1.7 (J)		
3/2/2019			4.4	8.5					
5/31/2019	5.1	5						5.4	4.5
6/3/2019			13		110	86	3.3		
6/11/2019				17					
11/6/2019	5.8	6						6.1	5.7
11/7/2019				15	120				
11/9/2019			6.1			200	4.7		
4/16/2020	6.1	5.8						5.3	5.6
4/17/2020				20			4.8		
4/18/2020			6.3		130	73			
10/7/2020	6.6	5.9						5.7	5.1
10/8/2020			6.4	18	95	26	5		

Time Series

Constituent: Chloride (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	5.6	4		
3/2/2016			5	87
5/2/2016		3.6		
5/3/2016	5.1			
5/5/2016			6.8	87
7/5/2016	4.7	3.6		
7/7/2016			6.7	83
9/6/2016	4.4	4		
9/7/2016			4.8	80
11/7/2016	4.6	4.4		
11/10/2016			4.2	35
1/9/2017	5.3	4.4		
1/12/2017			4.4	130
3/13/2017	5.6	4.1		
3/14/2017			4.4	
3/15/2017				150
5/15/2017	5.2	3.7		
5/18/2017			5	140
10/2/2017	5.5	4.8		
10/5/2017			5.8	
10/6/2017				62
12/19/2017				180 (R)
3/12/2018	5.6	4		
3/14/2018			6.9	140
6/6/2018	5.6	4.1		
6/11/2018			6	140
10/17/2018	5.5	3.7		
10/18/2018			7.5	160
2/27/2019	5.1	4		
3/1/2019			7.2	140
5/31/2019	5.4	3.7		
6/3/2019			8.5	79
11/6/2019	5.9	4.7		
11/7/2019			18	120
4/16/2020	6.2	4.9		
4/17/2020			29	120
10/7/2020	6.1	4.7		
10/9/2020			22	100

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	<0.0025	<0.0025						<0.0025	<0.0025
3/1/2016			<0.0025	<0.0025	<0.0025	0.0023 (J)	<0.0025		
5/2/2016	0.0029							0.0019 (J)	0.0034
5/4/2016		<0.0025					<0.0025		
5/5/2016			<0.0025	<0.0025	0.0014 (J)	<0.0025			
7/5/2016	<0.0025							0.0051	0.0059
7/7/2016			<0.0025	<0.0025	0.0014 (J)	0.002 (J)			
7/8/2016		<0.0025					<0.0025		
9/6/2016	<0.0025	<0.0025	<0.0025					<0.0025	<0.0025
9/7/2016				<0.0025	0.0019 (J)	0.0029	<0.0025		
11/7/2016	<0.0025							<0.0025	<0.0025
11/9/2016					0.0023 (J)	0.0025	<0.0025		
11/10/2016		<0.0025	<0.0025	<0.0025					
1/9/2017	<0.0025							0.017 (o)	<0.0025
1/11/2017		<0.0025			0.0024 (J)	0.002 (J)	<0.0025		
1/12/2017			<0.0025	<0.0025					
3/13/2017	<0.0025							<0.0025	<0.0025
3/14/2017		<0.0025			0.0023 (J)	0.0025	<0.0025		
3/15/2017			<0.0025	<0.0025					
5/15/2017	<0.0025							<0.0025	<0.0025
5/18/2017		<0.0025	<0.0025	<0.0025	0.0023 (J)	0.002 (J)	<0.0025		
3/12/2018	<0.0025							<0.0025	<0.0025
3/14/2018		<0.0025	<0.0025	<0.0025	0.0023 (J)	0.0022 (J)	<0.0025		
6/5/2018	<0.0025							<0.0025	<0.0025
6/10/2018		<0.0025			0.0022 (J)	0.002 (J)	<0.0025		
6/11/2018			<0.0025	<0.0025					
10/16/2018	<0.0025							<0.0025	<0.0025
10/18/2018		<0.0025		<0.0025	0.0016 (J)	0.0029	<0.0025		
10/19/2018			<0.0025						
2/27/2019	<0.0025	<0.0025						<0.0025	<0.0025
3/1/2019					<0.0025	0.0026	<0.0025		
3/2/2019			0.0028	0.0052					
5/31/2019	<0.0025	<0.0025						<0.0025	<0.0025
6/3/2019			<0.0025		0.0015 (J)	0.0022 (J)	<0.0025		
6/11/2019				0.0011 (J)					
11/6/2019	<0.0025	<0.0025						<0.0025	<0.0025
11/7/2019				0.00028 (J)	<0.0025				
11/9/2019			0.00037 (J)			0.0022 (J)	<0.0025		
4/16/2020	<0.0025	<0.0025						<0.0025	<0.0025
4/17/2020				0.00026 (J)			<0.0025		
4/18/2020			<0.0025		0.0016	0.0029			
10/7/2020	<0.0025	0.0046						0.001 (J)	0.0015 (J)
10/8/2020			<0.0025	<0.0025	0.0031	0.0028	0.0019 (J)		

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	<0.0025	0.00056 (J)		
3/2/2016			<0.0025	<0.0025
5/2/2016		0.0021 (J)		
5/3/2016	0.0012 (J)			
5/5/2016			<0.0025	<0.0025
7/5/2016	<0.0025	<0.0025		
7/7/2016			<0.0025	<0.0025
9/6/2016	<0.0025	<0.0025		
9/7/2016			<0.0025	<0.0025
11/7/2016	<0.0025	<0.0025		
11/10/2016			<0.0025	<0.0025
1/9/2017	<0.0025	<0.0025		
1/12/2017			<0.0025	<0.0025
3/13/2017	<0.0025	<0.0025		
3/14/2017			<0.0025	
3/15/2017				<0.0025
5/15/2017	<0.0025	<0.0025		
5/18/2017			<0.0025	<0.0025
3/12/2018	<0.0025	<0.0025		
3/14/2018			<0.0025	<0.0025
6/6/2018	<0.0025	<0.0025		
6/11/2018			<0.0025	<0.0025
10/17/2018	<0.0025	<0.0025		
10/18/2018			<0.0025	<0.0025
2/27/2019	<0.0025	<0.0025		
3/1/2019			<0.0025	<0.0025
5/31/2019	<0.0025	<0.0025		
6/3/2019			<0.0025	<0.0025
11/6/2019	<0.0025	<0.0025		
11/7/2019			<0.0025	0.00042 (J)
4/16/2020	<0.0025	<0.0025		
4/17/2020			<0.0025	0.0004 (J)
10/7/2020	0.0033	0.0017 (J)		
10/9/2020			<0.0025	0.0016 (J)

Time Series

Constituent: Cobalt (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	0.00039 (J)	<0.0025						0.00064 (J)	0.00023 (J)
3/1/2016			<0.0025	0.001 (J)	0.017	<0.0025	0.0007 (J)		
5/2/2016	0.0013 (J)							0.0014 (J)	0.00092 (J)
5/4/2016		<0.0025					0.001 (J)		
5/5/2016			<0.0025	0.00064 (J)	0.012	<0.0025			
7/5/2016	0.00049 (J)							0.0027	0.0032
7/7/2016			<0.0025	<0.0025	0.012	<0.0025			
7/8/2016		<0.0025					0.00057 (J)		
9/6/2016	0.00062 (J)	0.00042 (J)	<0.0025					0.00062 (J)	<0.0025
9/7/2016				0.00044 (J)	0.018	<0.0025	0.00061 (J)		
11/7/2016	0.00049 (J)							0.00058 (J)	<0.0025
11/9/2016					0.022	<0.0025	0.00055 (J)		
11/10/2016		<0.0025	<0.0025	<0.0025					
1/9/2017	0.00045 (J)							0.00059 (J)	<0.0025
1/11/2017		<0.0025			0.025	<0.0025	0.00045 (J)		
1/12/2017			<0.0025	<0.0025					
3/13/2017	0.00048 (J)							0.0005 (J)	<0.0025
3/14/2017		<0.0025			0.019	<0.0025	0.00059 (J)		
3/15/2017			<0.0025	<0.0025					
5/15/2017	0.00052 (J)							0.00046 (J)	<0.0025
5/18/2017		<0.0025	<0.0025	<0.0025	0.023	<0.0025	0.00059 (J)		
3/12/2018	0.00055 (J)							0.00055 (J)	<0.0025
3/14/2018		<0.0025	<0.0025	<0.0025	0.014	<0.0025	0.00044 (J)		
6/5/2018	0.00051 (J)							0.00052 (J)	<0.0025
6/10/2018		<0.0025			0.029	<0.0025	0.0004 (J)		
6/11/2018			<0.0025	<0.0025					
10/16/2018	0.00058 (J)							0.00045 (J)	<0.0025
10/18/2018		<0.0025		<0.0025	0.016	<0.0025	<0.0025		
10/19/2018			<0.0025						
2/27/2019	0.00065 (J)	<0.0025						0.00056 (J)	<0.0025
3/1/2019					0.009	<0.0025	<0.0025		
3/2/2019			<0.0025	0.00041 (J)					
5/31/2019	0.00046 (J)	<0.0025						<0.0025	<0.0025
6/3/2019			<0.0025		0.015	<0.0025	<0.0025		
6/11/2019				<0.0025					
11/6/2019	0.00056 (J)	0.00033 (J)						0.00048 (J)	0.00019 (J)
11/7/2019				0.00015 (J)	0.022				
11/9/2019			0.00016 (J)			0.00087 (J)	0.00036 (J)		
4/16/2020	0.00058	0.00035 (J)						0.00043 (J)	0.00021 (J)
4/17/2020				0.00021 (J)			0.00036 (J)		
4/18/2020			0.00023 (J)		0.013	0.00037 (J)			
10/7/2020	0.0006 (J)	<0.0025						<0.0025	<0.0025
10/8/2020			<0.0025	<0.0025	0.017	<0.0025	<0.0025		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	0.00064 (J)	0.00071 (J)		
3/2/2016			0.00075 (J)	0.0047 (J)
5/2/2016		0.001 (J)		
5/3/2016	0.00079 (J)			
5/5/2016			0.0042	0.0047
7/5/2016	<0.0025	0.00055 (J)		
7/7/2016			0.0043	0.0041
9/6/2016	0.00094 (J)	0.00057 (J)		
9/7/2016			0.0049	0.0047
11/7/2016	0.00041 (J)	0.00047 (J)		
11/10/2016			0.004	0.0043
1/9/2017	0.00074 (J)	0.00054 (J)		
1/12/2017			0.0045	0.0048
3/13/2017	0.00091 (J)	0.0004 (J)		
3/14/2017			0.0039	
3/15/2017				0.0066
5/15/2017	0.00075 (J)	0.00046 (J)		
5/18/2017			0.005	0.0065
3/12/2018	0.00044 (J)	<0.0025		
3/14/2018			0.0038	0.012
6/6/2018	0.0004 (J)	0.00048 (J)		
6/11/2018			0.0044	0.0096
10/17/2018	<0.0025	0.00043 (J)		
10/18/2018			0.0036	0.025
2/27/2019	<0.0025	0.00045 (J)		
3/1/2019			0.0052	0.02
5/31/2019	<0.0025	<0.0025		
6/3/2019			0.0071	0.0053
11/6/2019	0.00029 (J)	0.00094 (J)		
11/7/2019			0.0085	0.019
4/16/2020	0.00029 (J)	0.00053		
4/17/2020			0.0089	0.013
10/7/2020	<0.0025	<0.0025		
10/9/2020			0.0072	0.015

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	1.27	1.09						1.42	2.4
3/1/2016			0.996	5.24	11.8	4.21	0.872		
5/2/2016	0.808							1.03	1.62
5/4/2016		0.848					<5		
5/5/2016			2.82	4.13	9.43	2.24			
7/5/2016	0.947							0.961	1.01
7/7/2016			1.58	7.01	13.8	3.28			
7/8/2016		1.46					1.02		
9/6/2016	1.07	1.34	1.46					1.07	1.8
9/7/2016				7.94	13.7	2.83	0.826		
11/7/2016	0.602							0.818	1.86
11/9/2016					16.9	4.28	1.17		
11/10/2016		1.23	1.92	7					
1/9/2017	0.865							0.934	2.25
1/11/2017		1.11			24.9	4.62	0.924		
1/12/2017			1.48	7.87					
3/13/2017	0.693							0.937	1.87
3/14/2017		1.01			15.5	2.28	0.889		
3/15/2017			1.41	7.1					
5/15/2017	0.786							0.685	1.4
5/18/2017		0.745	1.23	7.26	19.8	3	0.338		
3/12/2018	0.933							1.09	1.97
3/14/2018		0.614	1.64	7.02	13.1	2.82	0.789		
6/5/2018	0.713							0.927	2.17
6/10/2018		0.959			19.1	6.2	0.852		
6/11/2018			1.51	5.54					
10/16/2018	2.14							1.07	2.2
10/18/2018		0.944		5.59	12.1	2.89	1.05		
10/19/2018			1						
2/27/2019	0.651	0.827						0.912	1.8
3/1/2019					10.4	2.89	1.01		
3/2/2019			1.5	1.69					
5/31/2019	1.33	0.99						1.24	1.8
6/3/2019			2.67		19.1	4.84	1.33		
6/11/2019				5.8					
11/6/2019	1.32	0.892						0.509 (U)	2.32
11/7/2019				4.83	20.8				
11/9/2019			1.31			6.06	0.663		
4/16/2020	0.971	0.497						0.568	1.35
4/17/2020				5.33			0.604		
4/18/2020			0.931		13.8	2.03			
10/7/2020	1.14	1.07						0.763	1.75
10/8/2020			1.08	5.59	13.6	2.03	1.49		

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	0.647	<5		
3/2/2016			2.39	7.8
5/2/2016		<5		
5/3/2016	0.748			
5/5/2016			1.54	5.51
7/5/2016	0.591	<5		
7/7/2016			2.17	7.65
9/6/2016	0.831	0.566		
9/7/2016			2.24	5.9
11/7/2016	0.983	0.784		
11/10/2016			2.69	5.04
1/9/2017	0.767	0.541		
1/12/2017			1.81	9.04
3/13/2017	1.26	0.442		
3/14/2017			1.74	
3/15/2017				6.46
5/15/2017	0.553	0.345		
5/18/2017			1.7	8.31
3/12/2018	0.783	0.848		
3/14/2018			1.99	7.06
6/6/2018	1.08	0.78		
6/11/2018			1.59	7.06
10/17/2018	1.19	0.88		
10/18/2018			1.77	7.22
2/27/2019	0.741	0.431		
3/1/2019			1.51	5.59
5/31/2019	0.759	0.884		
6/3/2019			0.42 (U)	4.73
11/6/2019	0.105 (U)	0.366 (U)		
11/7/2019			3.07	5.46
4/16/2020	0.588	0.264 (U)		
4/17/2020			2.45	4.26
10/7/2020	0.709 (U)	0.46 (U)		
10/9/2020			4	5.63

Time Series

Constituent: Field pH (SU) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	5.11	5.26						5.11	4.9
3/1/2016			5.03	5.86	4.09	6.12	5.84		
5/2/2016	4.76							4.77	4.69
5/4/2016		5.1					5.69		
5/5/2016			5.03	5.77	4.12	6.25			
7/5/2016	5.12							5.48	7.11 (o)
7/7/2016			4.85	5.45	3.99	5.99			
7/8/2016		4.96					5.49		
9/6/2016	5.11	5.43	4.84					5.12	5.19
9/7/2016				5.01	4.06	6.03	5.22		
11/7/2016	4.76							4.73	4.64
11/9/2016					4.05	6.01	5.39		
11/10/2016		4.89	4.72	4.99					
1/9/2017	4.99							5	4.94
1/11/2017		4.87			4.01	6.04	5.12		
1/12/2017			4.79	4.95					
3/13/2017	4.57							4.74	4.63
3/14/2017		4.71			4.06	6.11	5.05		
3/15/2017			4.81	5.03					
5/15/2017	4.6							4.63	4.52
5/18/2017		4.5	4.5	4.75	3.65	5.88	4.68		
10/2/2017	4.64							4.63	4.54
10/5/2017		4.63			3.79	6.07	4.77		
10/6/2017			4.56	5.07					
12/19/2017				5.1 (R)	4.1 (R)	6.11 (R)			
3/12/2018	4.85							4.81	4.81
3/14/2018		5.14	5.08	4.89	4.2	6.29	5.28		
6/5/2018	4.92							5.04	4.9
6/10/2018		5.12			3.97	5.96	4.99		
6/11/2018			4.81	5.02					
10/16/2018	4.93							4.98	4.81
10/18/2018		4.97		4.93	4.12	6.19	5.07		
10/19/2018			5.15						
2/27/2019	4.75	4.84						4.78	4.71
3/1/2019					4.19	6.27	5.13		
3/2/2019			4.81	5.58					
5/31/2019	4.9	4.92						4.92	4.84
6/3/2019			4.7		4.17	6.23	5.12		
6/11/2019				4.97					
11/6/2019	4.82	4.94						4.88	4.78
11/7/2019				4.99	4.03				
11/9/2019			4.78			6.19	5.06		
4/16/2020	5.03	5.17						5.15	4.96
4/17/2020				5.07			5.23		
4/18/2020			4.96		4.08	6.21			
10/7/2020	4.74	5.08						4.91	4.8
10/8/2020			4.87	4.98	4.13	6.29	5.34		

Time Series

Constituent: Field pH (SU) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	5.08	6.37		
3/2/2016			5.015 (D)	5.015 (D)
5/2/2016		5.605 (D)		
5/3/2016	5.14			
5/5/2016			4.87	5.04
7/5/2016	5.38	6.29		
7/7/2016			4.86	5.55
9/6/2016	5.37	6.42		
9/7/2016			4.72	4.86
11/7/2016	4.92	5.75		
11/10/2016			4.72	5.19
1/9/2017	5.05	5.98		
1/12/2017			4.67	4.84
3/13/2017	4.87	5.81		
3/14/2017			4.77	
3/15/2017				4.86
5/15/2017	4.69	5.42		
5/18/2017			4.43	4.59
10/2/2017	4.88	5.63		
10/5/2017			4.52	
10/6/2017				5.73
12/19/2017			4.76 (R)	4.84 (R)
3/12/2018	5.07	5.6		
3/14/2018			4.71	4.75
6/6/2018	5.09	5.58		
6/11/2018			4.78	4.77
10/17/2018	4.99	5.54		
10/18/2018			4.76	4.73
2/27/2019	4.87	5.4		
3/1/2019			4.85	4.76
5/31/2019	4.89	5.45		
6/3/2019			4.75	5.56
11/6/2019	5.04	5.52		
11/7/2019			4.78	4.74
4/16/2020	5.13	5.58		
4/17/2020			4.75	4.7
10/7/2020	5.13	5.5		
10/9/2020			4.77	4.9

Time Series

Constituent: Fluoride (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	<0.1	<0.1						<0.1	<0.1
3/1/2016			<0.1	0.037 (J)	0.46	0.041 (J)	<0.1		
5/2/2016	<0.1							<0.1	<0.1
5/4/2016		<0.1					<0.1		
5/5/2016			<0.1	<0.1	0.27	<0.1			
7/5/2016	<0.1							<0.1	<0.1
7/7/2016			<0.1	<0.1	0.29	<0.1			
7/8/2016		<0.1					<0.1		
9/6/2016	<0.1	<0.1	<0.1					<0.1	<0.1
9/7/2016				<0.1	0.33	<0.1	<0.1		
11/7/2016	<0.1							<0.1	<0.1
11/9/2016					0.29	<0.1	<0.1		
11/10/2016		<0.1	<0.1	<0.1					
1/9/2017	<0.1							<0.1	<0.1
1/11/2017		<0.1			0.42	<0.1	<0.1		
1/12/2017			<0.1	<0.1					
3/13/2017	<0.1							<0.1	<0.1
3/14/2017		<0.1			0.34	<0.1	<0.1		
3/15/2017			<0.1	<0.1					
5/15/2017	<0.1							<0.1	<0.1
5/18/2017		<0.1	<0.1	<0.1	0.47	<0.1	<0.1		
10/2/2017	<0.1							<0.1	<0.1
10/5/2017		<0.1			0.22	<0.1	<0.1		
10/6/2017			<0.1	<0.1					
12/19/2017					0.26 (R)				
3/12/2018	<0.1							<0.1	<0.1
3/14/2018		0.12	<0.1	<0.1	0.3	<0.1	<0.1		
6/5/2018	<0.1							<0.1	<0.1
6/10/2018		<0.1			0.38	<0.1	<0.1		
6/11/2018			<0.1	<0.1					
10/16/2018	<0.1							<0.1	<0.1
10/18/2018		<0.1		<0.1	0.26	0.04 (J)	<0.1		
10/19/2018			<0.1						
2/27/2019	<0.1	<0.1						<0.1	<0.1
3/1/2019					0.1	<0.1	<0.1		
3/2/2019			<0.1	<0.1					
5/31/2019	<0.1	<0.1						<0.1	<0.1
6/3/2019			<0.1		0.22	0.04 (J)	<0.1		
6/11/2019				<0.1					
11/6/2019	<0.1	<0.1						<0.1	<0.1
11/7/2019				<0.1	0.21				
11/9/2019			<0.1			<0.1	<0.1		
4/16/2020	<0.1	<0.1						<0.1	<0.1
4/17/2020				<0.1			<0.1		
4/18/2020			<0.1		0.3	0.04 (J)			
10/7/2020	<0.1	<0.1						<0.1	<0.1
10/8/2020			<0.1	0.24	0.26	0.04 (J)	<0.1		

Time Series

Constituent: Fluoride (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	<0.1	0.033 (J)		
3/2/2016			<0.1	0.039 (J)
5/2/2016		<0.1		
5/3/2016	<0.1			
5/5/2016			<0.1	<0.1
7/5/2016	<0.1	<0.1		
7/7/2016			<0.1	<0.1
9/6/2016	<0.1	<0.1		
9/7/2016			<0.1	<0.1
11/7/2016	<0.1	<0.1		
11/10/2016			<0.1	<0.1
1/9/2017	<0.1	<0.1		
1/12/2017			<0.1	<0.1
3/13/2017	<0.1	<0.1		
3/14/2017			<0.1	
3/15/2017				<0.1
5/15/2017	<0.1	<0.1		
5/18/2017			<0.1	<0.1
10/2/2017	<0.1	<0.1		
10/5/2017			<0.1	
10/6/2017				<0.1
3/12/2018	<0.1	<0.1		
3/14/2018			<0.1	<0.1
6/6/2018	<0.1	<0.1		
6/11/2018			<0.1	0.04 (J)
10/17/2018	<0.1	<0.1		
10/18/2018			<0.1	0.04 (J)
2/27/2019	<0.1	<0.1		
3/1/2019			<0.1	<0.1
5/31/2019	<0.1	<0.1		
6/3/2019			<0.1	0.04 (J)
11/6/2019	<0.1	<0.1		
11/7/2019			<0.1	0.04 (J)
4/16/2020	<0.1	<0.1		
4/17/2020			<0.1	0.04 (J)
10/7/2020	<0.1	<0.1		
10/9/2020			<0.1	<0.1

Time Series

Constituent: Lead (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	<0.0013	<0.0013						<0.0013	<0.0013
3/1/2016			<0.0013	<0.0013	0.0018 (J)	<0.0013	<0.0013		
5/2/2016	<0.0013							<0.0013	<0.0013
5/4/2016		<0.0013					<0.0013		
5/5/2016			<0.0013	<0.0013	0.0015	<0.0013			
7/5/2016	<0.0013							<0.0013	<0.0013
7/7/2016			<0.0013	<0.0013	0.0018	<0.0013			
7/8/2016		<0.0013					<0.0013		
9/6/2016	<0.0013	<0.0013	<0.0013					<0.0013	<0.0013
9/7/2016				<0.0013	0.0024	<0.0013	<0.0013		
11/7/2016	<0.0013							<0.0013	<0.0013
11/9/2016					0.0023	<0.0013	<0.0013		
11/10/2016		<0.0013	<0.0013	<0.0013					
1/9/2017	<0.0013							<0.0013	<0.0013
1/11/2017		<0.0013			0.0027	<0.0013	<0.0013		
1/12/2017			<0.0013	<0.0013					
3/13/2017	<0.0013							<0.0013	<0.0013
3/14/2017		<0.0013			0.0024	<0.0013	<0.0013		
3/15/2017			<0.0013	<0.0013					
5/15/2017	<0.0013							<0.0013	<0.0013
5/18/2017		<0.0013	<0.0013	<0.0013	0.0029	<0.0013	<0.0013		
3/12/2018	<0.0013							<0.0013	<0.0013
3/14/2018		<0.0013	<0.0013	<0.0013	0.0023	<0.0013	<0.0013		
6/5/2018	<0.0013							<0.0013	<0.0013
6/10/2018		<0.0013			0.0024	<0.0013	<0.0013		
6/11/2018			<0.0013	<0.0013					
10/16/2018	<0.0013							<0.0013	<0.0013
10/18/2018		<0.0013		<0.0013	0.002	<0.0013	0.00039 (J)		
10/19/2018			<0.0013						
2/27/2019	<0.0013	<0.0013						0.001 (J)	<0.0013
3/1/2019					0.0012 (J)	<0.0013	<0.0013		
3/2/2019			<0.0013	<0.0013					
5/31/2019	<0.0013	<0.0013						<0.0013	<0.0013
6/3/2019			<0.0013		0.0018	0.00091 (J)	<0.0013		
6/11/2019				<0.0013					
11/6/2019	0.0001 (J)	<0.0013						6.6E-05 (J)	8.4E-05 (J)
11/7/2019				0.00011 (J)	0.002				
11/9/2019			0.00014 (J)			0.00012 (J)	<0.0013		
4/16/2020	6.6E-05 (J)	<0.0013						<0.0013	<0.0013
4/17/2020				<0.0013			<0.0013		
4/18/2020			0.00018 (J)		0.0024	<0.0013			
10/7/2020	<0.0013	<0.0013						<0.0013	<0.0013
10/8/2020			<0.0013	<0.0013	0.0019	<0.0013	<0.0013		

Time Series

Constituent: Lead (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	<0.0013	<0.0013		
3/2/2016			<0.0013	<0.0013
5/2/2016		<0.0013		
5/3/2016	<0.0013			
5/5/2016			<0.0013	<0.0013
7/5/2016	<0.0013	<0.0013		
7/7/2016			<0.0013	<0.0013
9/6/2016	<0.0013	<0.0013		
9/7/2016			<0.0013	<0.0013
11/7/2016	<0.0013	<0.0013		
11/10/2016			<0.0013	<0.0013
1/9/2017	<0.0013	<0.0013		
1/12/2017			<0.0013	<0.0013
3/13/2017	<0.0013	<0.0013		
3/14/2017			<0.0013	
3/15/2017				<0.0013
5/15/2017	<0.0013	<0.0013		
5/18/2017			<0.0013	<0.0013
3/12/2018	<0.0013	<0.0013		
3/14/2018			<0.0013	<0.0013
6/6/2018	<0.0013	<0.0013		
6/11/2018			<0.0013	<0.0013
10/17/2018	<0.0013	<0.0013		
10/18/2018			<0.0013	<0.0013
2/27/2019	<0.0013	<0.0013		
3/1/2019			<0.0013	<0.0013
5/31/2019	<0.0013	<0.0013		
6/3/2019			0.00067 (J)	0.00037 (J)
11/6/2019	<0.0013	0.0002 (J)		
11/7/2019			9.4E-05 (J)	0.0003 (J)
4/16/2020	<0.0013	0.00016 (J)		
4/17/2020			0.00011 (J)	0.00033
10/7/2020	<0.0013	<0.0013		
10/9/2020			0.0012 (J)	0.0003 (J)

Time Series

Constituent: Lithium (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	<0.005	<0.005						<0.005	<0.005
3/1/2016			<0.005	<0.005	0.057	<0.005	<0.005		
5/2/2016	<0.005							<0.005	<0.005
5/4/2016		<0.005					<0.005		
5/5/2016			<0.005	<0.005	0.044	<0.005			
7/5/2016	<0.005							<0.005	<0.005
7/7/2016			<0.005	<0.005	0.04	<0.005			
7/8/2016		<0.005					<0.005		
9/6/2016	<0.005	0.0037 (J)	<0.005					<0.005	<0.005
9/7/2016				<0.005	0.033	<0.005	0.0073		
11/7/2016	<0.005							<0.005	<0.005
11/9/2016					0.035	<0.005	<0.005		
11/10/2016		<0.005	<0.005	<0.005					
1/9/2017	<0.005							<0.005	<0.005
1/11/2017		<0.005			0.028	<0.005	<0.005		
1/12/2017			<0.005	<0.005					
3/13/2017	<0.005							<0.005	<0.005
3/14/2017		<0.005			0.037	<0.005	0.0035 (J)		
3/15/2017			<0.005	0.0038 (J)					
5/15/2017	<0.005							<0.005	<0.005
5/18/2017		<0.005	<0.005	<0.005	0.024	<0.005	<0.005		
3/12/2018	0.0011 (J)							0.0014 (J)	<0.005
3/14/2018		<0.005	<0.005	0.002 (J)	0.028	<0.005	<0.005		
6/5/2018	<0.005							0.0012 (J)	<0.005
6/10/2018		<0.005			0.019	<0.005	<0.005		
6/11/2018			<0.005	0.0015 (J)					
10/16/2018	<0.005							0.0015 (J)	0.0013 (J)
10/18/2018		0.0013 (J)		0.0017 (J)	0.022	<0.005	0.0012 (J)		
10/19/2018			0.0012 (J)						
2/27/2019	<0.005	<0.005						<0.005	<0.005
3/1/2019					0.017	<0.005	0.0012 (J)		
3/2/2019			0.0014 (J)	0.0011 (J)					
5/31/2019	0.0021 (J)	0.0013 (J)						0.0017 (J)	0.0017 (J)
6/3/2019			<0.005		0.017	<0.005	<0.005		
6/11/2019				0.0025 (J)					
11/6/2019	0.0011	0.001						0.0011	<0.005
11/7/2019				0.00097 (J)	0.019				
11/9/2019			0.0009 (J)			<0.005	0.00068 (J)		
4/16/2020	0.0006 (J)	<0.005						0.00063 (J)	<0.005
4/17/2020				0.0021			0.00043 (J)		
4/18/2020			<0.005		0.017	0.00039 (J)			
10/7/2020	0.0054	0.0052						0.0054	0.0048 (J)
10/8/2020			<0.005	<0.005	0.017	<0.005	<0.005		

Time Series

Constituent: Lithium (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	<0.005	0.0037		
3/2/2016			0.0095 (J)	0.0082 (J)
5/2/2016		<0.005		
5/3/2016	<0.005			
5/5/2016			0.0059	0.0072
7/5/2016	<0.005	<0.005		
7/7/2016			0.006	0.0092
9/6/2016	<0.005	<0.005		
9/7/2016			0.0049 (J)	0.0069
11/7/2016	<0.005	0.0097 (o)		
11/10/2016			0.0055	0.0045 (J)
1/9/2017	<0.005	<0.005		
1/12/2017			0.0045 (J)	0.0073
3/13/2017	<0.005	<0.005		
3/14/2017			0.0069	
3/15/2017				0.012
5/15/2017	<0.005	<0.005		
5/18/2017			0.0055	0.0084
3/12/2018	<0.005	<0.005		
3/14/2018			0.0059	0.012
6/6/2018	<0.005	0.0021 (J)		
6/11/2018			0.0042 (J)	0.009
10/17/2018	<0.005	0.0012 (J)		
10/18/2018			0.0062	0.011
2/27/2019	<0.005	0.002 (J)		
3/1/2019			0.0054	0.0077
5/31/2019	0.0015 (J)	0.0026 (J)		
6/3/2019			0.0054	0.0082
11/6/2019	0.00063 (J)	0.0012		
11/7/2019			0.0052	0.014
4/16/2020	<0.005	0.00091 (J)		
4/17/2020			0.0076	0.0092
10/7/2020	0.005	0.0049 (J)		
10/9/2020			0.0053	0.011

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	<0.0002	<0.0002						9.1E-05 (J)	<0.0002
3/1/2016			<0.0002	<0.0002	0.00089	<0.0002	<0.0002		
5/2/2016	<0.0002							7.4E-05 (J)	<0.0002
5/4/2016		<0.0002					<0.0002		
5/5/2016			<0.0002	<0.0002	0.00054	<0.0002			
7/5/2016	<0.0002							<0.0002	<0.0002
7/7/2016			<0.0002	<0.0002 (*)	0.00066 (V)	<0.0002			
7/8/2016		<0.0002 (*)					<0.0002 (*)		
9/6/2016	<0.0002 (*)	<0.0002	<0.0002					<0.0002 (*)	<0.0002
9/7/2016				<0.0002	0.0016	<0.0002	<0.0002		
11/7/2016	<0.0002							<0.0002	<0.0002
11/9/2016					0.0015	<0.0002	<0.0002		
11/10/2016		<0.0002	<0.0002	<0.0002					
1/9/2017	<0.0002 (*)							<0.0002 (*)	<0.0002 (*)
1/11/2017		<0.0002			0.0025	<0.0002	<0.0002		
1/12/2017			<0.0002	<0.0002					
3/13/2017	<0.0002							<0.0002	<0.0002
3/14/2017		<0.0002 (*)			0.0012	<0.0002	<0.0002		
3/15/2017			<0.0002	<0.0002 (*)					
5/15/2017	<0.0002							<0.0002	<0.0002
5/18/2017		<0.0002	<0.0002	<0.0002	0.0014	<0.0002	<0.0002		
3/12/2018	<0.0002							<0.0002	<0.0002
3/14/2018		9.3E-05 (J)	9.4E-05 (J)	0.00012 (J)	0.0011	<0.0002	8E-05 (J)		
6/5/2018	<0.0002							<0.0002	<0.0002
6/10/2018		<0.0002			0.0014	<0.0002	<0.0002		
6/11/2018			<0.0002	<0.0002					
10/16/2018	<0.0002							<0.0002	<0.0002
10/18/2018		<0.0002		<0.0002	0.00087	<0.0002	<0.0002		
10/19/2018			9.4E-05 (J)						
2/27/2019	<0.0002	<0.0002						<0.0002	<0.0002
3/1/2019					0.00077	<0.0002	<0.0002		
3/2/2019			<0.0002	<0.0002					
5/31/2019	<0.0002	<0.0002						<0.0002	<0.0002
6/3/2019			<0.0002		0.00054	<0.0002	<0.0002		
6/11/2019				<0.0002					
11/6/2019	<0.0002	<0.0002						<0.0002	<0.0002
11/7/2019				<0.0002	0.00053				
11/9/2019			<0.0002			<0.0002	<0.0002		
4/16/2020	<0.0002	<0.0002						<0.0002	<0.0002
4/17/2020				0.00062			<0.0002		
4/18/2020			<0.0002		0.00069	<0.0002			
10/7/2020	<0.0002	<0.0002						0.00025	0.00013 (J)
10/8/2020			<0.0002	0.00016 (J)	0.00087	<0.0002	<0.0002		

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	<0.0002	<0.0002		
3/2/2016			<0.0002	0.007
5/2/2016		<0.0002		
5/3/2016	<0.0002			
5/5/2016			<0.0002	0.006
7/5/2016	<0.0002	<0.0002		
7/7/2016			<0.0002 (*)	0.0053
9/6/2016	<0.0002 (*)	<0.0002 (*)		
9/7/2016			<0.0002	0.0067
11/7/2016	<0.0002	<0.0002		
11/10/2016			<0.0002	0.00014 (J)
1/9/2017	<0.0002 (*)	<0.0002 (*)		
1/12/2017			<0.0002	0.0052
3/13/2017	<0.0002	<0.0002		
3/14/2017			<0.0002	
3/15/2017				0.0048
5/15/2017	<0.0002	<0.0002		
5/18/2017			<0.0002	0.0074
3/12/2018	<0.0002	<0.0002		
3/14/2018			9.7E-05 (J)	0.0059
6/6/2018	<0.0002	<0.0002		
6/11/2018			<0.0002	0.0042
10/17/2018	<0.0002	<0.0002		
10/18/2018			<0.0002	0.0034
2/27/2019	<0.0002	<0.0002		
3/1/2019			<0.0002	0.0041
5/31/2019	<0.0002	<0.0002		
6/3/2019			<0.0002	0.0025
11/6/2019	<0.0002	<0.0002		
11/7/2019			0.0012	0.0034
4/16/2020	<0.0002	<0.0002		
4/17/2020			0.0032	0.0063
10/7/2020	8E-05 (J)	<0.0002		
10/9/2020			0.0014	0.0049

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	<0.015	<0.015						<0.015	<0.015
3/1/2016			<0.015	<0.015	<0.015	0.004 (J)	<0.015		
5/2/2016	<0.015							<0.015	<0.015
5/4/2016		<0.015					<0.015		
5/5/2016			<0.015	<0.015	<0.015	0.0093 (J)			
7/5/2016	<0.015							<0.015	<0.015
7/7/2016			<0.015	<0.015	<0.015	0.0047 (J)			
7/8/2016		<0.015					<0.015		
9/6/2016	<0.015	<0.015	<0.015					<0.015	<0.015
9/7/2016				<0.015	<0.015	0.004 (J)	<0.015		
11/7/2016	<0.015							<0.015	<0.015
11/9/2016					<0.015	0.0037 (J)	<0.015		
11/10/2016		<0.015	<0.015	<0.015					
1/9/2017	<0.015							<0.015	<0.015
1/11/2017		<0.015			<0.015	0.0052 (J)	<0.015		
1/12/2017			<0.015	<0.015					
3/13/2017	0.0042 (J)							<0.015	0.0022 (J)
3/14/2017		<0.015			<0.015	0.004 (J)	<0.015		
3/15/2017			<0.015	<0.015					
5/15/2017	<0.015							<0.015	<0.015
5/18/2017		<0.015	<0.015	<0.015	<0.015	0.0043 (J)	<0.015		
3/12/2018	<0.015							<0.015	<0.015
3/14/2018		<0.015	<0.015	<0.015	<0.015	0.0054 (J)	<0.015		
6/5/2018	<0.015							0.00088 (J)	<0.015
6/10/2018		<0.015			<0.015	0.0035 (J)	<0.015		
6/11/2018			<0.015	<0.015					
10/16/2018	<0.015							<0.015	<0.015
10/18/2018		<0.015		<0.015	<0.015	0.0032 (J)	<0.015		
10/19/2018			<0.015						
2/27/2019	<0.015	<0.015						<0.015	<0.015
3/1/2019					<0.015	0.0047 (J)	<0.015		
3/2/2019			<0.015	<0.015					
5/31/2019	<0.015	<0.015						<0.015	<0.015
6/3/2019			<0.015		<0.015	0.0033 (J)	<0.015		
6/11/2019				<0.015					
11/6/2019	<0.015	<0.015						<0.015	<0.015
11/7/2019				<0.015	<0.015				
11/9/2019			<0.015			0.0025 (J)	<0.015		
4/16/2020	<0.015	<0.015						<0.015	<0.015
4/17/2020				<0.015			<0.015		
4/18/2020			<0.015		<0.015	0.003			
10/7/2020	<0.015	<0.015						<0.015	<0.015
10/8/2020			<0.015	<0.015	<0.015	<0.015	<0.015		

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	<0.015	<0.015		
3/2/2016			<0.015	<0.015
5/2/2016		<0.015		
5/3/2016	<0.015			
5/5/2016			<0.015	<0.015
7/5/2016	<0.015	<0.015		
7/7/2016			<0.015	<0.015
9/6/2016	<0.015	<0.015		
9/7/2016			<0.015	<0.015
11/7/2016	<0.015	<0.015		
11/10/2016			<0.015	<0.015
1/9/2017	<0.015	<0.015		
1/12/2017			<0.015	<0.015
3/13/2017	<0.015	<0.015		
3/14/2017			<0.015	
3/15/2017				<0.015
5/15/2017	<0.015	<0.015		
5/18/2017			<0.015	<0.015
3/12/2018	<0.015	<0.015		
3/14/2018			<0.015	<0.015
6/6/2018	<0.015	<0.015		
6/11/2018			<0.015	<0.015
10/17/2018	<0.015	<0.015		
10/18/2018			<0.015	<0.015
2/27/2019	<0.015	<0.015		
3/1/2019			<0.015	<0.015
5/31/2019	<0.015	<0.015		
6/3/2019			<0.015	<0.015
11/6/2019	<0.015	<0.015		
11/7/2019			<0.015	<0.015
4/16/2020	<0.015	<0.015		
4/17/2020			<0.015	<0.015
10/7/2020	<0.015	<0.015		
10/9/2020			<0.015	<0.015

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	<0.0013	<0.0013						<0.0013	<0.0013
3/1/2016			<0.0013	0.0028 (J)	0.0054 (J)	<0.0013	<0.0013		
5/2/2016	<0.0013							<0.0013	0.00025 (J)
5/4/2016		<0.0013					<0.0013		
5/5/2016			0.00029 (J)	0.0026	0.0038	0.0003 (J)			
7/5/2016	<0.0013							<0.0013	<0.0013
7/7/2016			<0.0013 (*)	0.0025	0.0043	<0.0013			
7/8/2016		<0.0013					<0.0013		
9/6/2016	0.00049 (J)	<0.0013	<0.0013					<0.0013	0.00027 (J)
9/7/2016				0.0031	0.0099	0.00026 (J)	<0.0013		
11/7/2016	<0.0013							<0.0013	<0.0013
11/9/2016					0.012	0.00038 (J)	<0.0013		
11/10/2016		<0.0013	<0.0013	0.0028					
1/9/2017	<0.0013							<0.0013	<0.0013
1/11/2017		0.00049 (J)			0.022	<0.0013	<0.0013		
1/12/2017			<0.0013	0.0028					
3/13/2017	0.0023							<0.0013	0.0025
3/14/2017		<0.0013			0.011	<0.0013	<0.0013		
3/15/2017			<0.0013	0.0027					
5/15/2017	<0.0013							<0.0013	<0.0013
5/18/2017		<0.0013	<0.0013	0.0036	0.018	<0.0013	<0.0013		
3/12/2018	0.00046 (J)							0.00064 (J)	0.00047 (J)
3/14/2018		0.00067 (J)	0.001 (J)	0.0032	0.0057	0.0006 (J)	<0.0013		
6/5/2018	0.00049 (J)							0.00098 (J)	0.00065 (J)
6/10/2018		0.00028 (J)			0.015	0.00043 (J)	<0.0013		
6/11/2018			0.00028 (J)	0.003					
10/16/2018	<0.0013							<0.0013	<0.0013
10/18/2018		<0.0013		0.0016	0.0049	<0.0013	<0.0013		
10/19/2018			<0.0013						
2/27/2019	<0.0013	<0.0013						<0.0013	<0.0013
3/1/2019					0.0026	<0.0013	<0.0013		
3/2/2019			<0.0013	<0.0013					
5/31/2019	<0.0013	<0.0013						<0.0013	<0.0013
6/3/2019			<0.0013		0.0039	<0.0013	<0.0013		
6/11/2019				0.0014					
11/6/2019	<0.0013	<0.0013						<0.0013	0.00034
11/7/2019				0.002	0.0085				
11/9/2019			<0.0013			0.00041	<0.0013		
4/16/2020	<0.0013	<0.0013						<0.0013	0.0004
4/17/2020				0.0022			<0.0013		
4/18/2020			0.00019 (J)		0.0084	0.0004			
10/7/2020	<0.0013	<0.0013						<0.0013	<0.0013
10/8/2020			<0.0013	0.0014	0.0045	<0.0013	<0.0013		

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	<0.0013	<0.0013		
3/2/2016			<0.0013	0.0025 (J)
5/2/2016		<0.0013		
5/3/2016	<0.0013			
5/5/2016			<0.0013	0.0033
7/5/2016	<0.0013	<0.0013		
7/7/2016			<0.0013	0.0031
9/6/2016	<0.0013	<0.0013		
9/7/2016			<0.0013	0.0034
11/7/2016	<0.0013	<0.0013		
11/10/2016			<0.0013	0.0038
1/9/2017	<0.0013	<0.0013		
1/12/2017			<0.0013	0.0034
3/13/2017	<0.0013	<0.0013		
3/14/2017			<0.0013	
3/15/2017				0.0032
5/15/2017	<0.0013	<0.0013		
5/18/2017			<0.0013	0.0034
3/12/2018	0.00026 (J)	<0.0013		
3/14/2018			<0.0013	0.0038
6/6/2018	0.00025 (J)	0.00026 (J)		
6/11/2018			<0.0013	0.0037
10/17/2018	<0.0013	<0.0013		
10/18/2018			<0.0013	0.0033
2/27/2019	<0.0013	<0.0013		
3/1/2019			<0.0013	0.0033
5/31/2019	<0.0013	<0.0013		
6/3/2019			<0.0013	0.0035
11/6/2019	<0.0013	<0.0013		
11/7/2019			0.00024 (J)	0.0034
4/16/2020	<0.0013	<0.0013		
4/17/2020			0.0002 (J)	0.0039
10/7/2020	<0.0013	<0.0013		
10/9/2020			<0.0013	0.0031

Time Series

Constituent: Sulfate (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	<5	<5						<5	1.6 (J)
3/1/2016			<5	26	380	17	<5		
5/2/2016	15 (o)							<5	2.1 (J)
5/4/2016		<5					<5		
5/5/2016			<5	31	280	11			
7/5/2016	<5							<5	2 (J)
7/7/2016			<5	31	330	33			
7/8/2016		<5					<5		
9/6/2016	<5	<5	<5					<5	1.8 (J)
9/7/2016				41	550	18	<5		
11/7/2016	<5							<5	1.7 (J)
11/9/2016					700	52	<5		
11/10/2016		<5	<5	39					
1/9/2017	<5							2.6 (J)	1.5 (J)
1/11/2017		<5			670	31	<5		
1/12/2017			<5	35					
3/13/2017	2.5 (J)							<5	2.2 (J)
3/14/2017		<5			670	20	<5		
3/15/2017			<5 (*)	43					
5/15/2017	<5							<5	1.9 (J)
5/18/2017		<5 (X)	<5 (X)	35	790	35	<5 (X)		
10/2/2017	<5							<5	3.4 (J)
10/5/2017		<5			500	7.7	<5		
10/6/2017			<5	39					
12/19/2017				36 (R)	400 (R)	51 (R)			
3/12/2018	<5							<5	2.6 (J)
3/14/2018		<5	<5	38	540	22	<5		
6/5/2018	<5							<5	2.6 (J)
6/10/2018		1.5 (J)			760	96	1.4 (J)		
6/11/2018			1.7 (J)	34					
10/16/2018	<5							<5	2.8 (J)
10/18/2018		<5		31	460	6.6	<5		
10/19/2018			3.4 (J)						
2/27/2019	<5	1.9 (J)						<5	2.4 (J)
3/1/2019					240	9.6	<5		
3/2/2019			<5	35					
5/31/2019	<5	<5						<5	3.3 (J)
6/3/2019			3.5 (J)		480	58	<5		
6/11/2019				32					
11/6/2019	<5	<5						<5	3.7 (J)
11/7/2019				27	610				
11/9/2019			<5			120	<5		
4/16/2020	<5	<5						<5	1.7 (J)
4/17/2020				31			<5		
4/18/2020			<5		670	32			
10/7/2020	<5	<5						<5	4 (J)
10/8/2020			<5	30	590	9.3	<5		

Time Series

Constituent: Sulfate (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	<5	<5		
3/2/2016			13	150
5/2/2016		<5		
5/3/2016	<5			
5/5/2016			15	200
7/5/2016	<5	<5		
7/7/2016			14	200
9/6/2016	<5	3.7 (J)		
9/7/2016			15	200
11/7/2016	<5	<5		
11/10/2016			13	130
1/9/2017	<5	<5		
1/12/2017			12	240
3/13/2017	<5	<5		
3/14/2017			10 (V)	
3/15/2017				300
5/15/2017	<5	<5		
5/18/2017			8.7	270
10/2/2017	1.5 (J)	1.7 (J)		
10/5/2017			9.8	
10/6/2017				140
12/19/2017			8.4 (R)	280 (R)
3/12/2018	<5	<5		
3/14/2018			9.7	270
6/6/2018	<5	<5		
6/11/2018			10	270
10/17/2018	<5	<5		
10/18/2018			8.1	280
2/27/2019	<5	<5		
3/1/2019			7.4	250
5/31/2019	<5	<5		
6/3/2019			21	150
11/6/2019	<5	<5		
11/7/2019			16	290
4/16/2020	<5	<5		
4/17/2020			12	280
10/7/2020	<5	<5		
10/9/2020			25	280

Time Series

Constituent: Thallium (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	<0.0005	<0.0005						<0.0005	<0.0005
3/1/2016			<0.0005	<0.0005	0.00043 (J)	<0.0005	<0.0005		
5/2/2016	<0.0005							<0.0005	<0.0005
5/4/2016		<0.0005					<0.0005		
5/5/2016			<0.0005	<0.0005	0.0003 (J)	<0.0005			
7/5/2016	<0.0005							<0.0005	<0.0005
7/7/2016			<0.0005	<0.0005	0.00028 (J)	<0.0005			
7/8/2016		<0.0005					<0.0005		
9/6/2016	<0.0005	<0.0005	<0.0005					<0.0005	<0.0005
9/7/2016				<0.0005	0.00028 (J)	<0.0005	<0.0005		
11/7/2016	<0.0005							<0.0005	<0.0005
11/9/2016					0.0003 (J)	<0.0005	<0.0005		
11/10/2016		<0.0005	<0.0005	<0.0005					
1/9/2017	<0.0005							<0.0005	<0.0005
1/11/2017		<0.0005			0.00032 (J)	<0.0005	<0.0005		
1/12/2017			<0.0005	<0.0005					
3/13/2017	<0.0005							<0.0005	<0.0005
3/14/2017		<0.0005			0.00032 (J)	<0.0005	<0.0005		
3/15/2017			<0.0005	<0.0005					
5/15/2017	<0.0005							<0.0005	<0.0005
5/18/2017		<0.0005	<0.0005	<0.0005	0.0004 (J)	<0.0005	<0.0005		
3/12/2018	<0.0005							<0.0005	<0.0005
3/14/2018		<0.0005	<0.0005	<0.0005	0.00021 (J)	<0.0005	<0.0005		
6/5/2018	<0.0005							<0.0005	<0.0005
6/10/2018		<0.0005			0.00033 (J)	<0.0005	<0.0005		
6/11/2018			<0.0005	<0.0005					
10/16/2018	<0.0005							<0.0005	<0.0005
10/18/2018		<0.0005		<0.0005	0.00021 (J)	<0.0005	<0.0005		
10/19/2018			<0.0005						
2/27/2019	<0.0005	<0.0005						<0.0005	<0.0005
3/1/2019					0.00013 (J)	<0.0005	<0.0005		
3/2/2019			<0.0005	<0.0005					
5/31/2019	<0.0005	<0.0005						<0.0005	<0.0005
6/3/2019			<0.0005		0.00016 (J)	<0.0005	<0.0005		
6/11/2019				<0.0005					
11/6/2019	<0.0005	<0.0005						<0.0005	<0.0005
11/7/2019				2.6E-05 (J)	0.00025				
11/9/2019			0.00021 (J)			0.00024 (J)	<0.0005		
4/16/2020	<0.0005	<0.0005						<0.0005	<0.0005
4/17/2020				<0.0005			<0.0005		
4/18/2020			<0.0005		0.00033	<0.0005			
10/7/2020	<0.0005	<0.0005						<0.0005	<0.0005
10/8/2020			<0.0005	0.00015 (J)	0.00034 (J)	<0.0005	<0.0005		

Time Series

Constituent: Thallium (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	<0.0005	<0.0005		
3/2/2016			<0.0005	0.00018 (J)
5/2/2016		<0.0005		
5/3/2016	<0.0005			
5/5/2016			<0.0005	0.00024 (J)
7/5/2016	<0.0005	<0.0005		
7/7/2016			<0.0005	0.00025 (J)
9/6/2016	<0.0005	<0.0005		
9/7/2016			<0.0005	0.00023 (J)
11/7/2016	<0.0005	<0.0005		
11/10/2016			<0.0005	0.0002 (J)
1/9/2017	<0.0005	<0.0005		
1/12/2017			<0.0005	0.00026 (J)
3/13/2017	<0.0005	<0.0005		
3/14/2017			<0.0005	
3/15/2017				0.0003 (J)
5/15/2017	<0.0005	<0.0005		
5/18/2017			<0.0005	0.00028 (J)
3/12/2018	<0.0005	<0.0005		
3/14/2018			<0.0005	0.00029 (J)
6/6/2018	<0.0005	<0.0005		
6/11/2018			<0.0005	0.00029 (J)
10/17/2018	<0.0005	<0.0005		
10/18/2018			<0.0005	0.00031 (J)
2/27/2019	<0.0005	<0.0005		
3/1/2019			<0.0005	0.0003 (J)
5/31/2019	<0.0005	<0.0005		
6/3/2019			<0.0005	0.0002 (J)
11/6/2019	<0.0005	<0.0005		
11/7/2019			<0.0005	0.00024 (J)
4/16/2020	<0.0005	<0.0005		
4/17/2020			<0.0005	0.00031
10/7/2020	<0.0005	<0.0005		
10/9/2020			0.00012 (J)	0.00037 (J)

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-102	MW-103	MW-104	MW-105	MW-106	MW-107 (bg)	MW-108 (bg)
2/29/2016	20	20						<5	12
3/1/2016			<5	84	760	290	<5		
5/2/2016	<5							<5	6
5/4/2016		6					12		
5/5/2016			<5	76	620	250			
7/5/2016	12							14	<5
7/7/2016			24	54	640	270			
7/8/2016		6					10		
9/6/2016	36	36	40					30	38
9/7/2016				82	1100	270	10		
11/7/2016	18							8	<5
11/9/2016					1300	330	26		
11/10/2016		16	20	80					
1/9/2017	4 (J)							<5	14
1/11/2017		38			1600	330	28		
1/12/2017			54	110					
3/13/2017	6							<5	8
3/14/2017		<5			1200	260	<5		
3/15/2017			14	82					
5/15/2017	<5							<5	<5
5/18/2017		10	38	100	1500	360	26		
10/2/2017	<5							<5	6
10/5/2017		<5			980	240	<5		
10/6/2017			22	110					
12/19/2017				72 (R)	900 (R)	460 (R)			
3/12/2018	18							14	<5
3/14/2018		8	14	66	1100	300	<5		
6/5/2018	10							<5	14
6/10/2018		8			1500	560	6		
6/11/2018			8	96					
10/16/2018	32							12	6
10/18/2018		28		64	860	250	68		
10/19/2018			54						
2/27/2019	110	68						54	110
3/1/2019					440	210	28		
3/2/2019			28	210					
5/31/2019	46	<5						8	26
6/3/2019			54		950	500	28		
6/11/2019				110					
11/6/2019	<5	10						4 (J)	<5
11/7/2019				50	980				
11/9/2019			24			720	42		
4/16/2020	28	44						18	8
4/17/2020				70			48		
4/18/2020			54		1100	180			
10/7/2020	30	24						20	26
10/8/2020			32	120	500	260	100		

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 1/7/2021 5:39 PM View: Descriptive - 100 Series

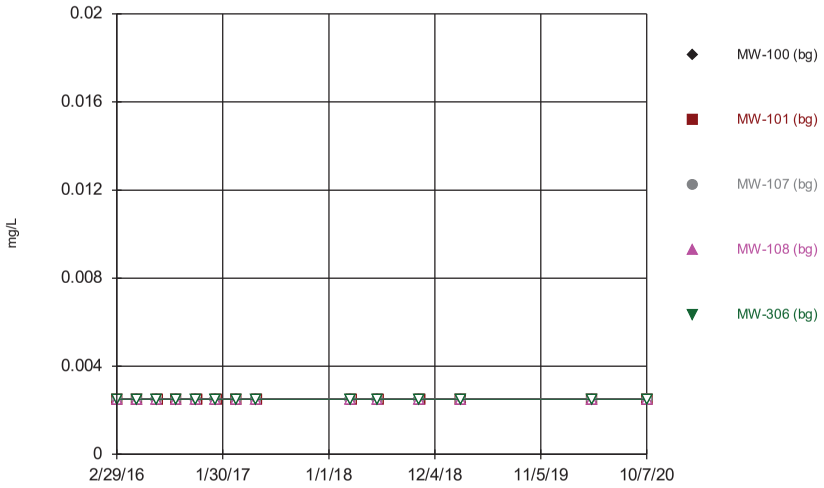
Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-306 (bg)	MW-307 (bg)	MW-109	MW-110
3/1/2016	10	<5		
3/2/2016			30	440
5/2/2016		36		
5/3/2016	<5			
5/5/2016			38	480
7/5/2016	<5	<5		
7/7/2016			22	470
9/6/2016	36	44		
9/7/2016			38	440
11/7/2016	<5	30		
11/10/2016			38	260
1/9/2017	<5	12		
1/12/2017			40	630
3/13/2017	22	20		
3/14/2017			22	
3/15/2017				620
5/15/2017	6	4 (J)		
5/18/2017			24	640
10/2/2017	16	24		
10/5/2017			<5	
10/6/2017				360
12/19/2017				840 (R)
3/12/2018	<5	<5		
3/14/2018			12	660
6/6/2018	20	16		
6/11/2018			26	670
10/17/2018	44	44		
10/18/2018			34	750
2/27/2019	20	28		
3/1/2019			42	640
5/31/2019	32	18		
6/3/2019			54	420
11/6/2019	24	20		
11/7/2019			24	540
4/16/2020	6	8		
4/17/2020			28	600
10/7/2020	16	12		
10/9/2020			86	660

200 Series

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

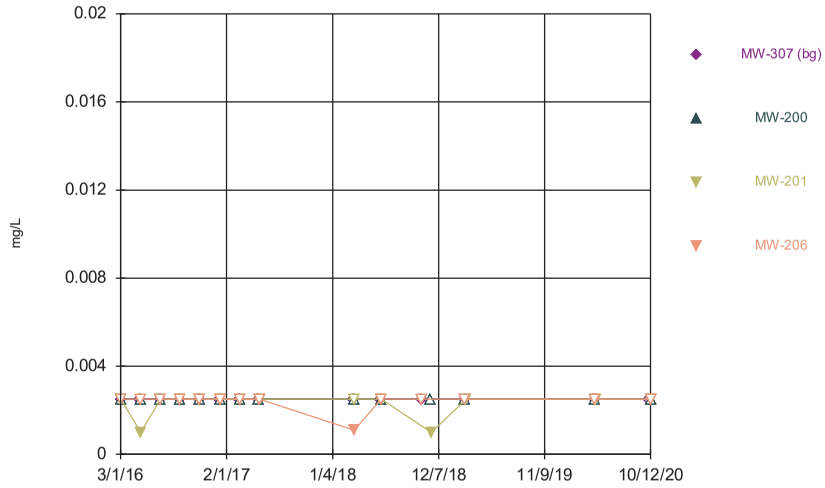
Time Series



Constituent: Antimony Analysis Run 1/7/2021 5:41 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

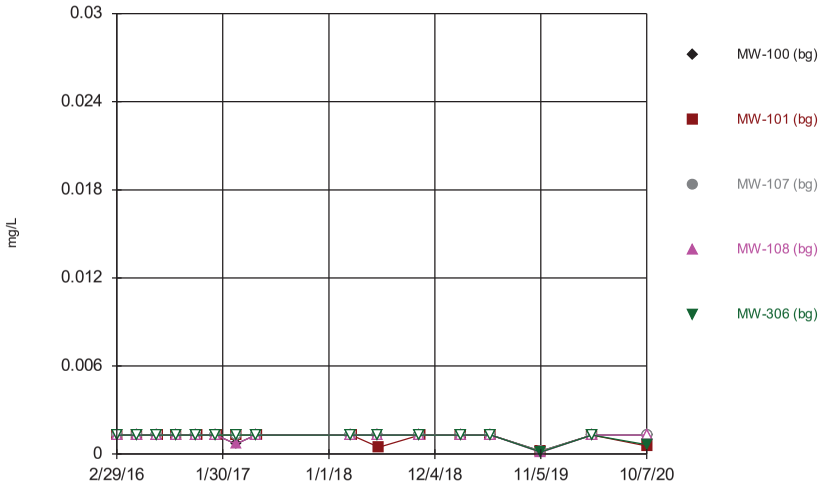
Time Series



Constituent: Antimony Analysis Run 1/7/2021 5:41 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

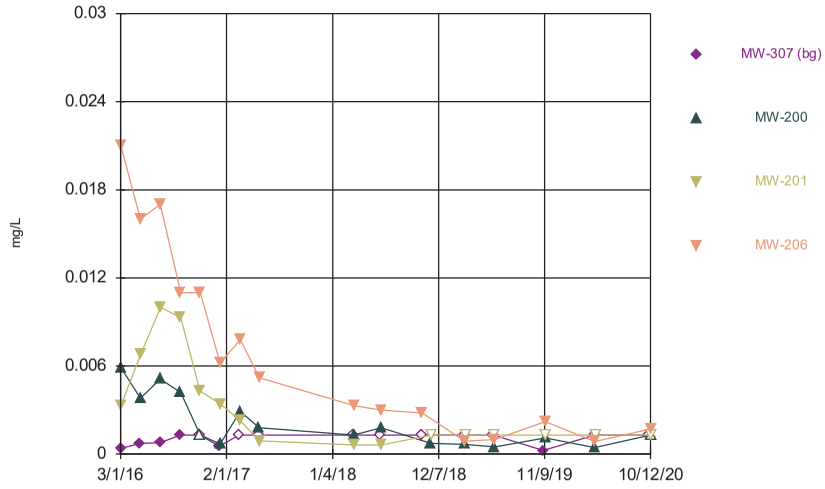
Time Series



Constituent: Arsenic Analysis Run 1/7/2021 5:41 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

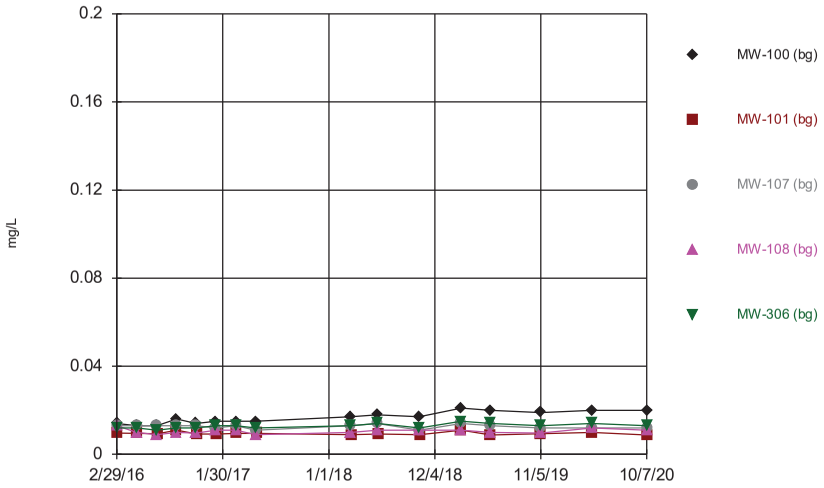
Time Series



Constituent: Arsenic Analysis Run 1/7/2021 5:41 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

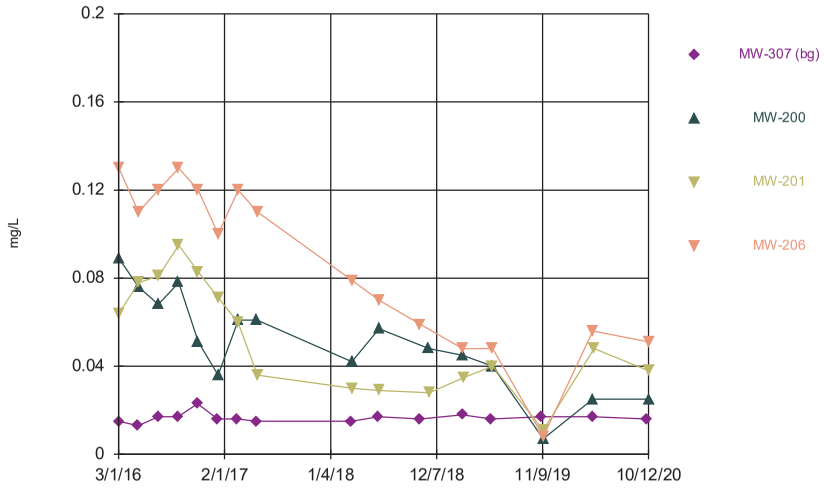
Time Series



Constituent: Barium Analysis Run 1/7/2021 5:41 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

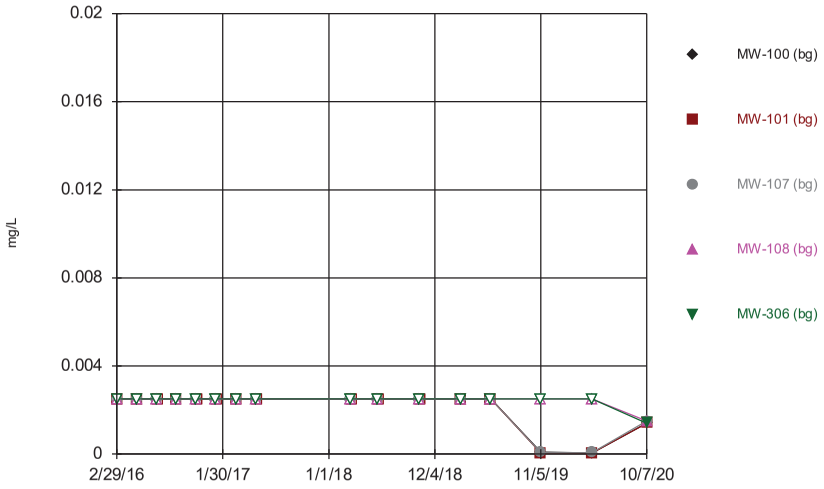
Time Series



Constituent: Barium Analysis Run 1/7/2021 5:41 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

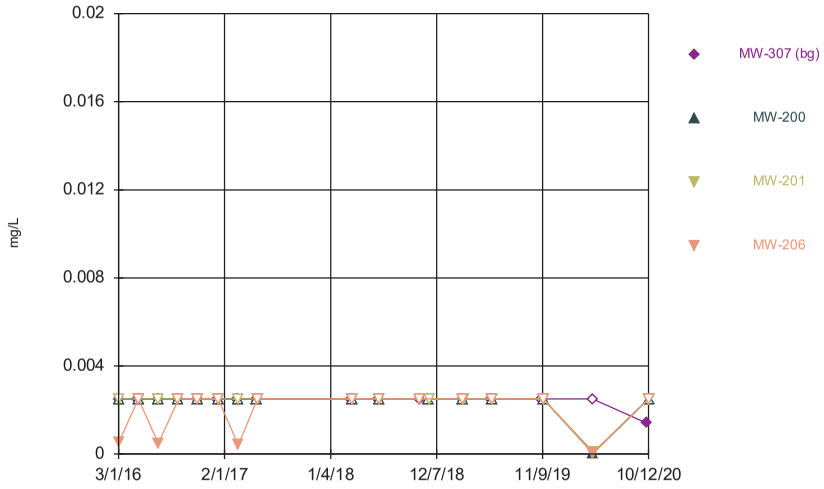
Time Series



Constituent: Beryllium Analysis Run 1/7/2021 5:41 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

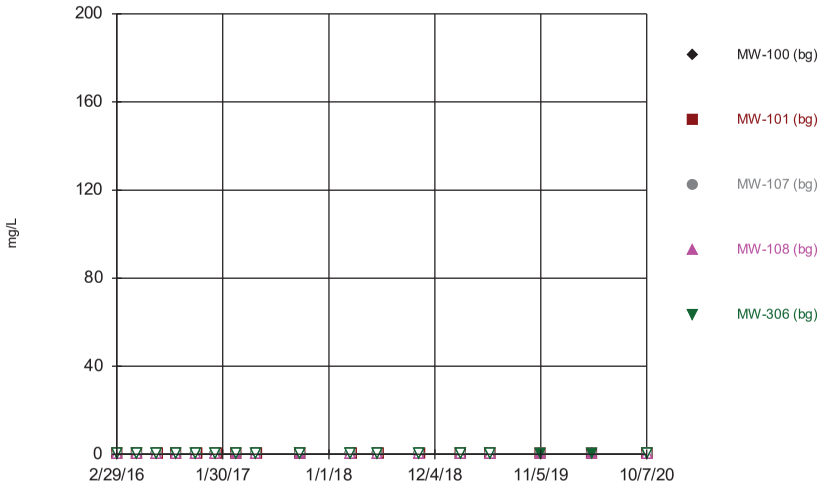
Time Series



Constituent: Beryllium Analysis Run 1/7/2021 5:41 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

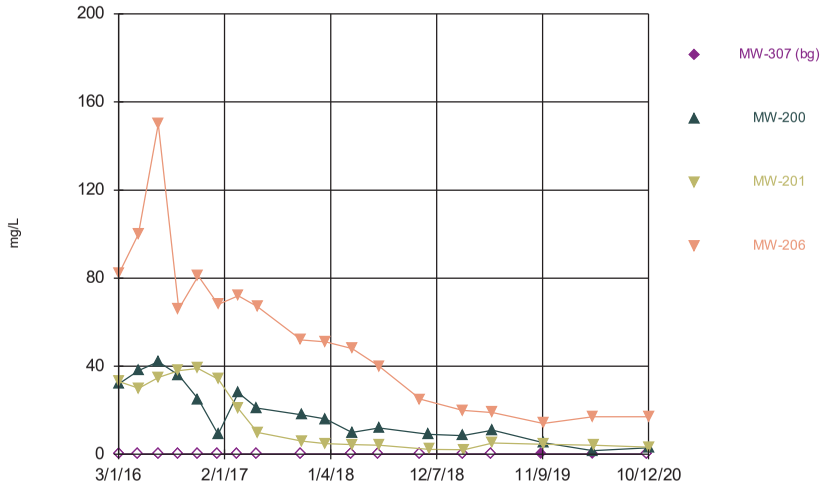
Time Series



Constituent: Boron Analysis Run 1/7/2021 5:41 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

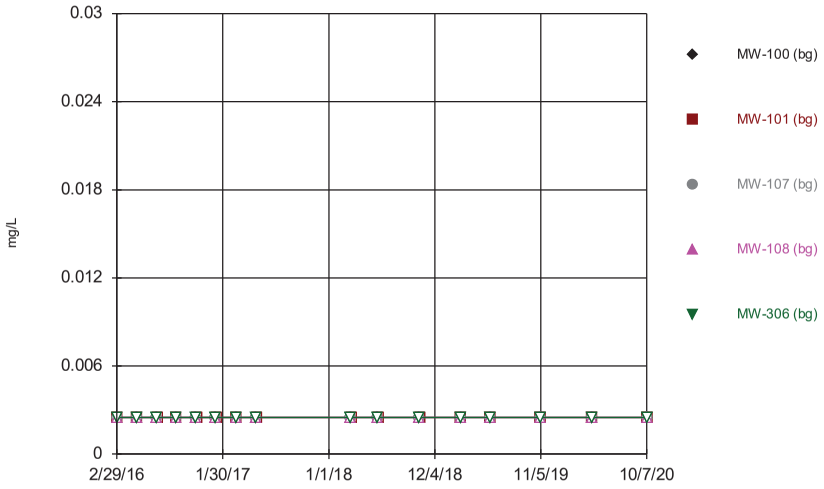
Time Series



Constituent: Boron Analysis Run 1/7/2021 5:41 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

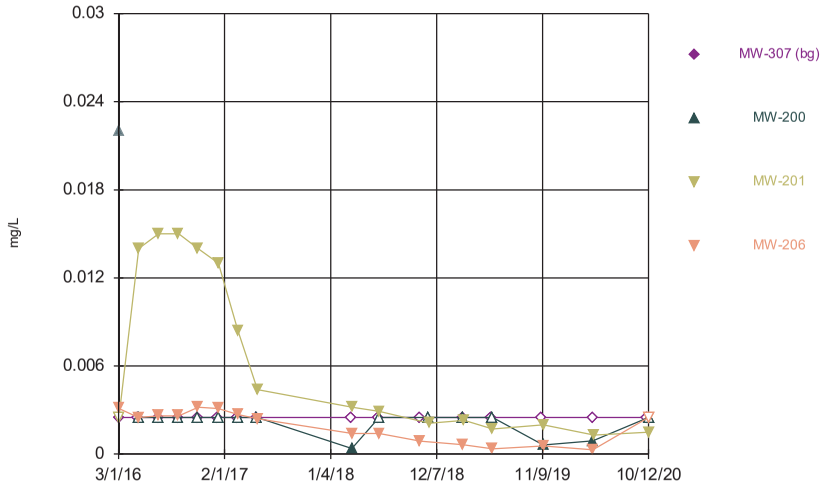
Time Series



Constituent: Cadmium Analysis Run 1/7/2021 5:41 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

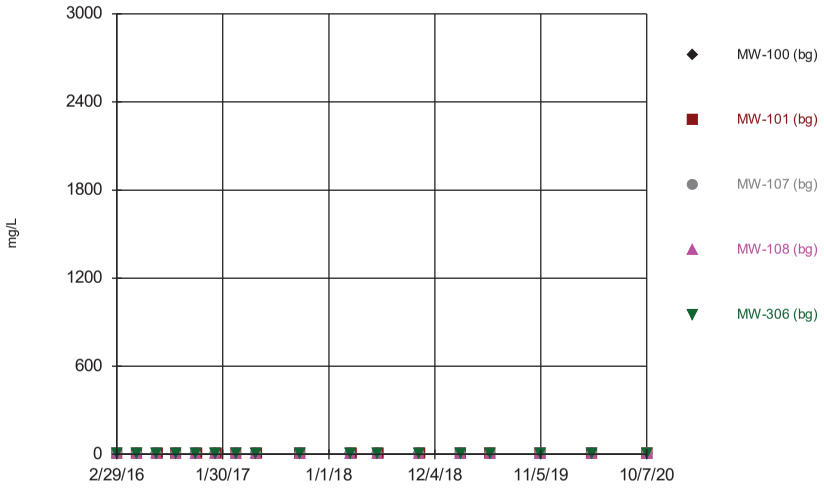
Time Series



Constituent: Cadmium Analysis Run 1/7/2021 5:41 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

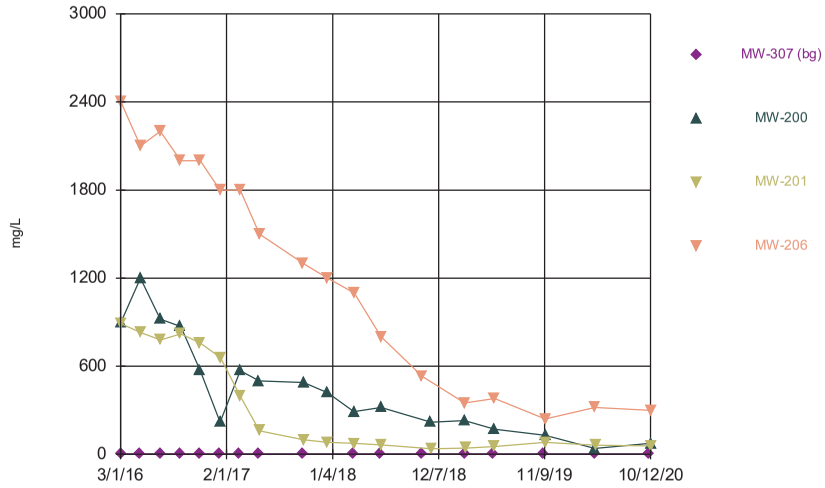
Time Series



Constituent: Calcium Analysis Run 1/7/2021 5:41 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

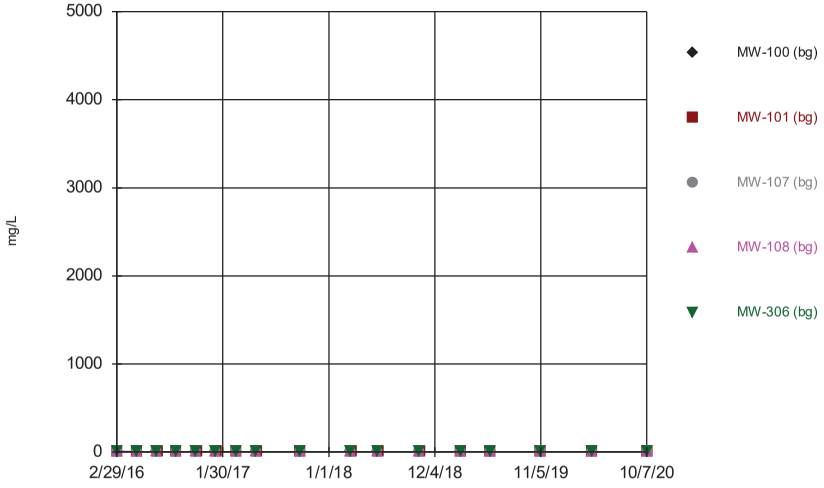
Time Series



Constituent: Calcium Analysis Run 1/7/2021 5:41 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

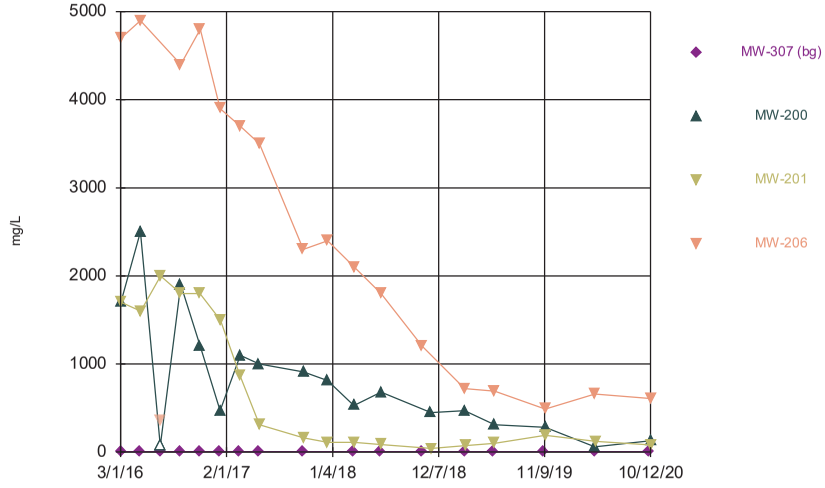
Time Series



Constituent: Chloride Analysis Run 1/7/2021 5:41 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

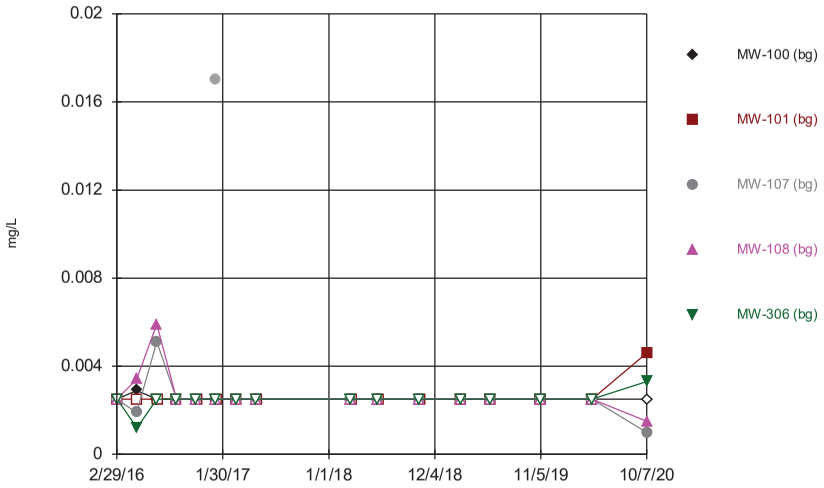
Time Series



Constituent: Chloride Analysis Run 1/7/2021 5:41 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

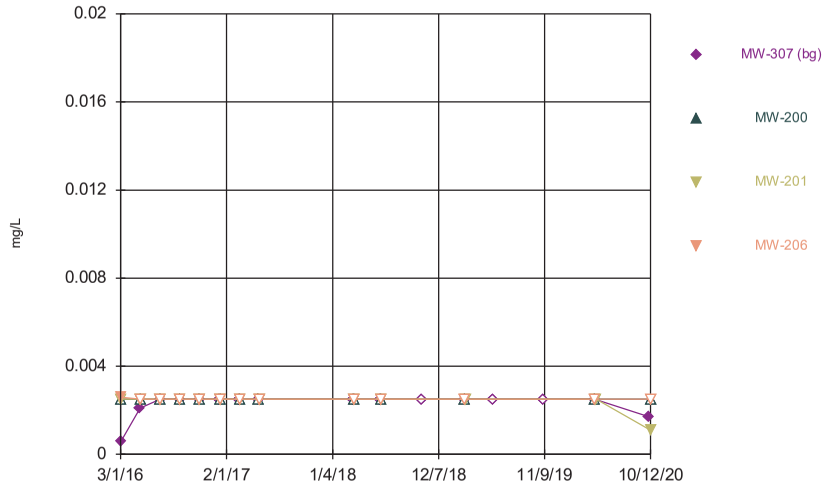
Time Series



Constituent: Chromium Analysis Run 1/7/2021 5:41 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

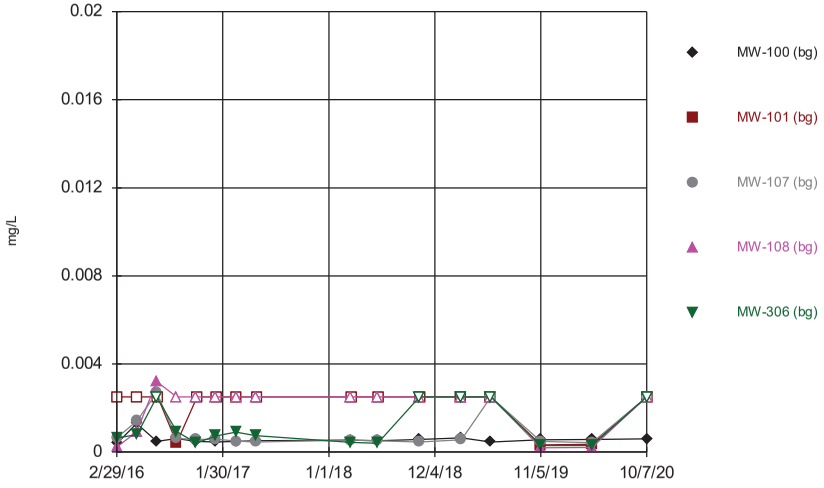
Time Series



Constituent: Chromium Analysis Run 1/7/2021 5:42 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

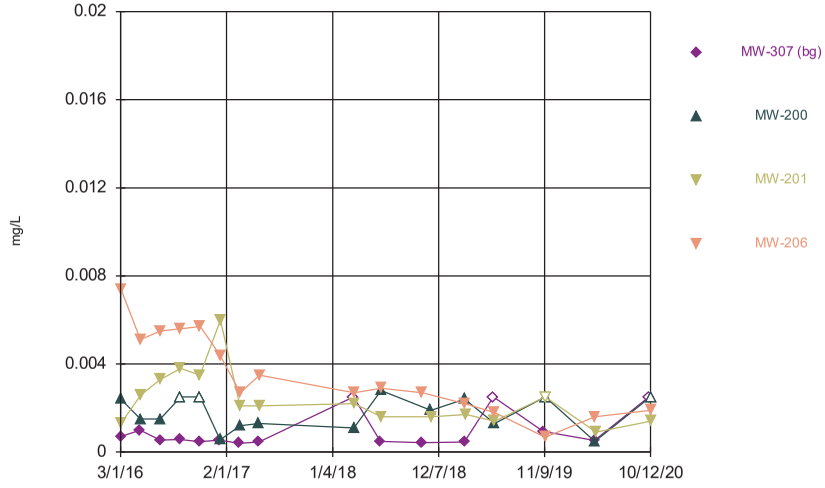
Time Series



Constituent: Cobalt Analysis Run 1/7/2021 5:42 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

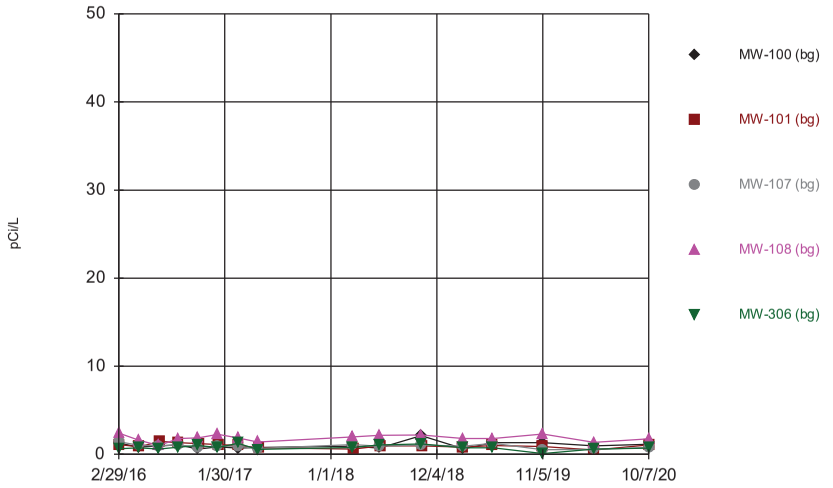
Time Series



Constituent: Cobalt Analysis Run 1/7/2021 5:42 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

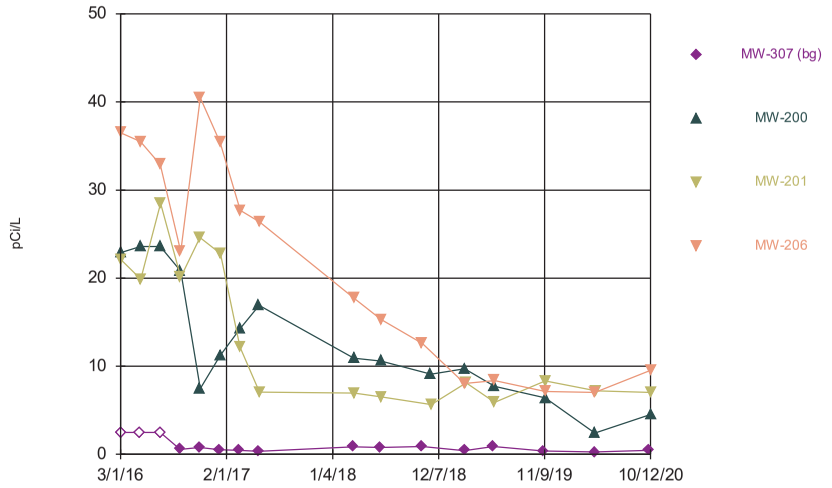
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 1/7/2021 5:42 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

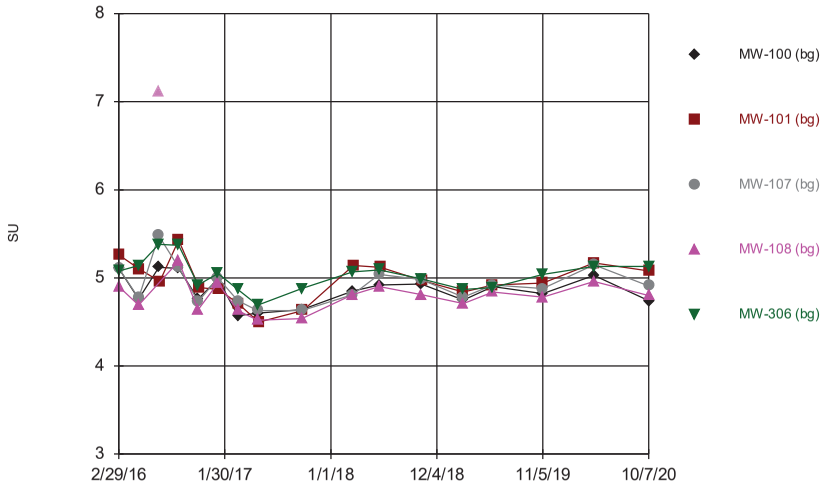
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 1/7/2021 5:42 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

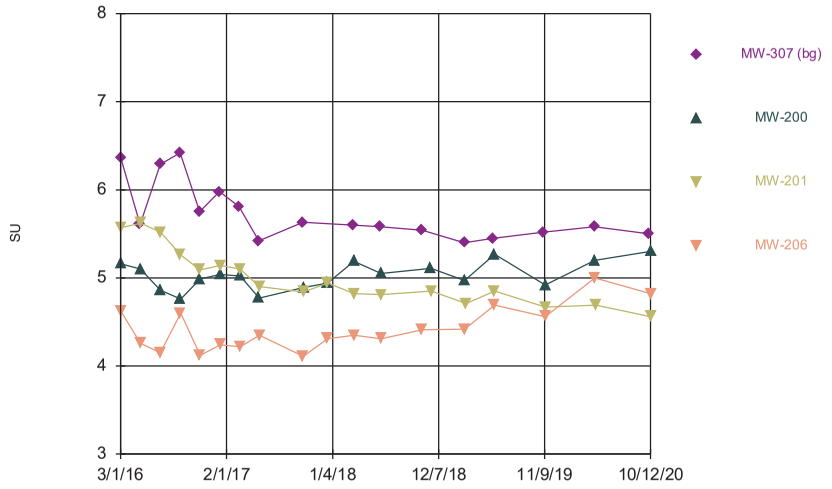
Time Series



Constituent: Field pH Analysis Run 1/7/2021 5:42 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

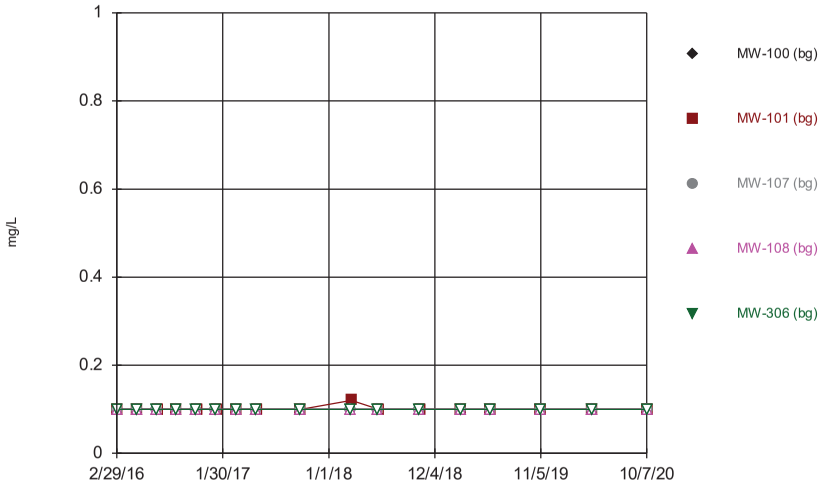
Time Series



Constituent: Field pH Analysis Run 1/7/2021 5:42 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

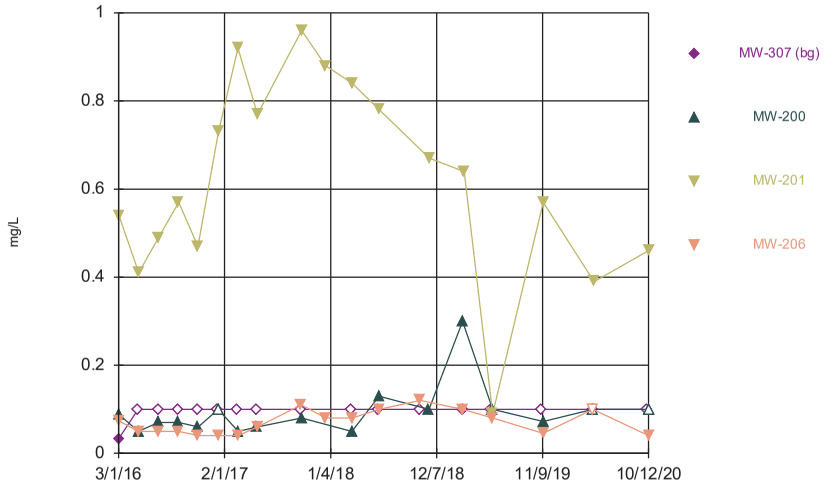
Time Series



Constituent: Fluoride Analysis Run 1/7/2021 5:42 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

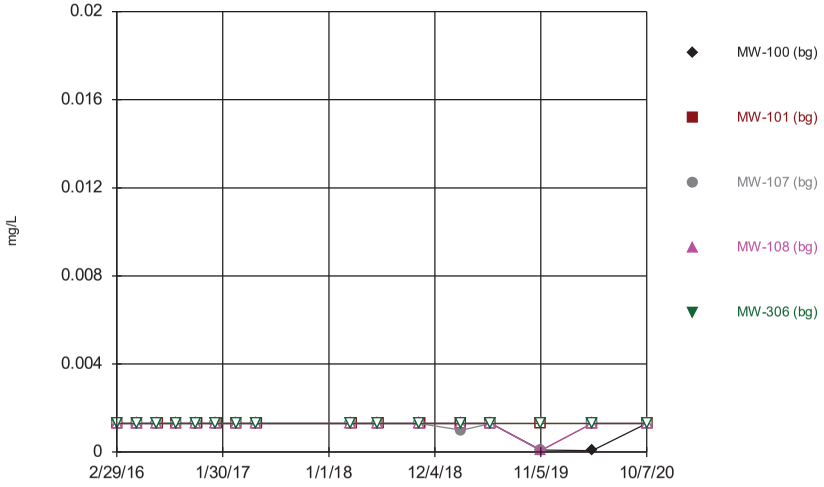
Time Series



Constituent: Fluoride Analysis Run 1/7/2021 5:42 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

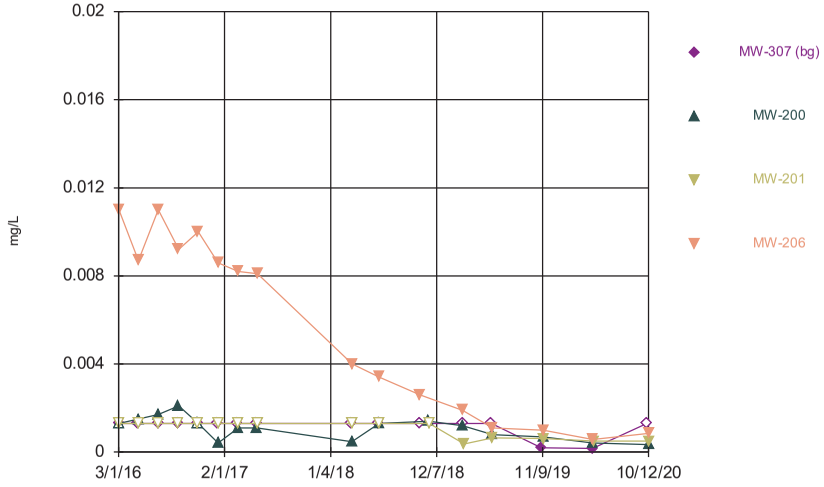
Time Series



Constituent: Lead Analysis Run 1/7/2021 5:42 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

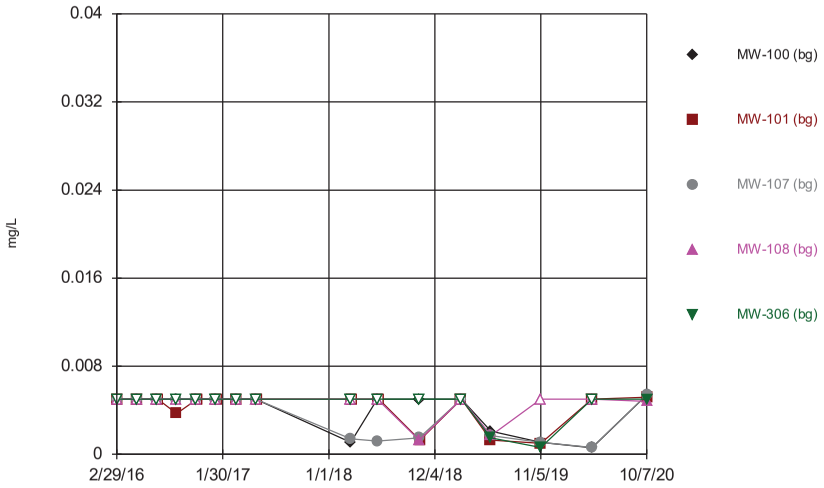
Time Series



Constituent: Lead Analysis Run 1/7/2021 5:42 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

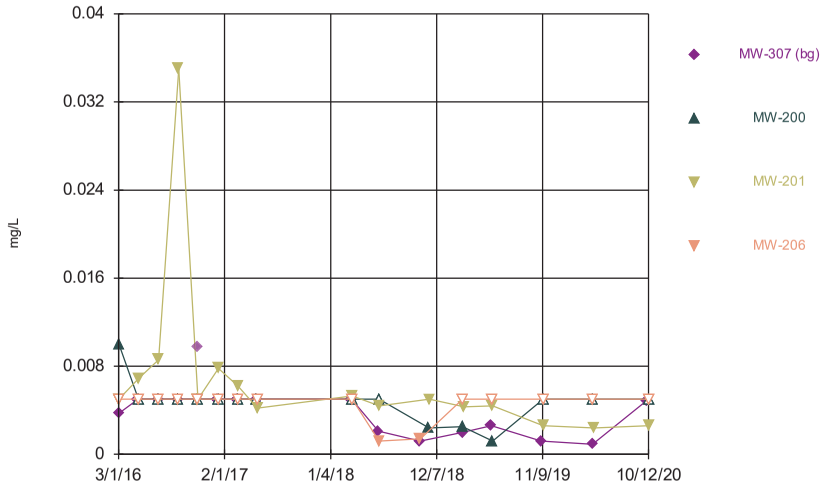
Time Series



Constituent: Lithium Analysis Run 1/7/2021 5:42 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

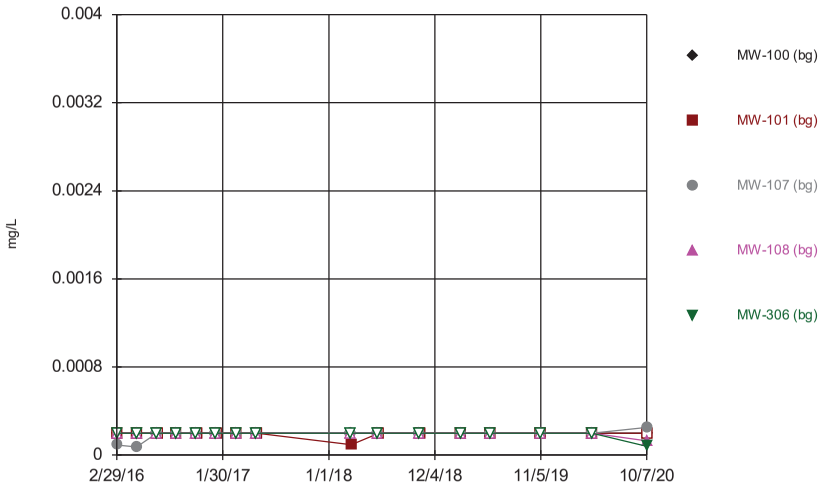
Time Series



Constituent: Lithium Analysis Run 1/7/2021 5:42 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

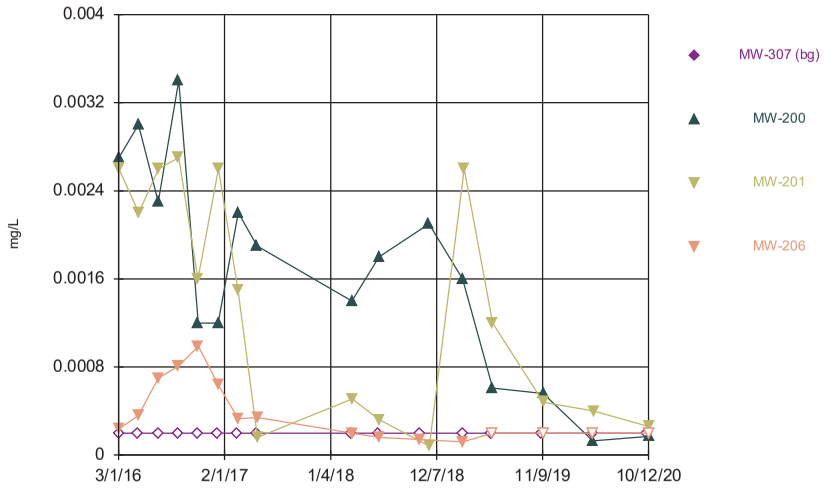
Time Series



Constituent: Mercury Analysis Run 1/7/2021 5:42 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

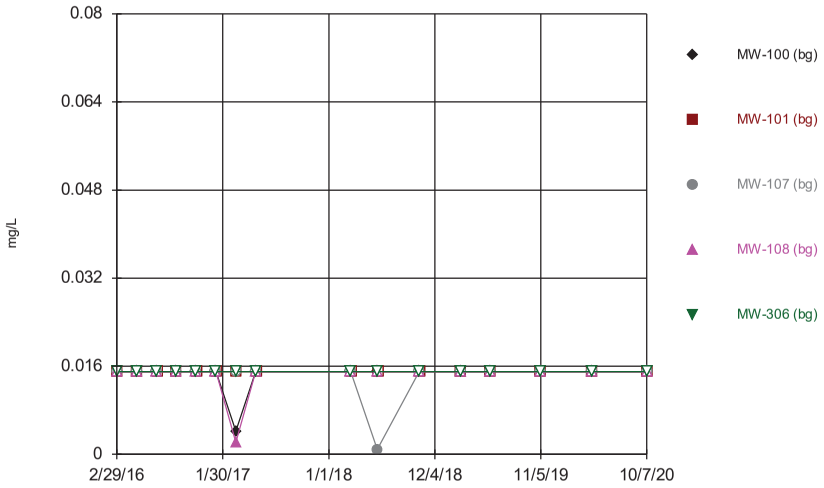
Time Series



Constituent: Mercury Analysis Run 1/7/2021 5:42 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
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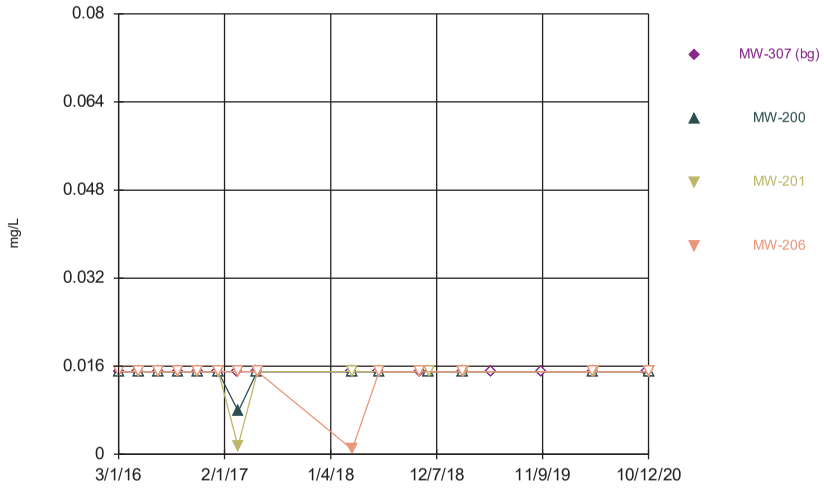
Time Series



Constituent: Molybdenum Analysis Run 1/7/2021 5:42 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

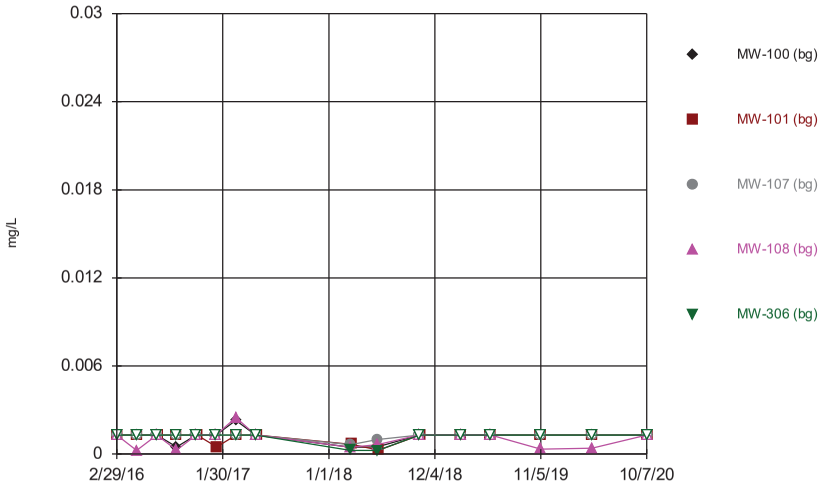
Time Series



Constituent: Molybdenum Analysis Run 1/7/2021 5:42 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

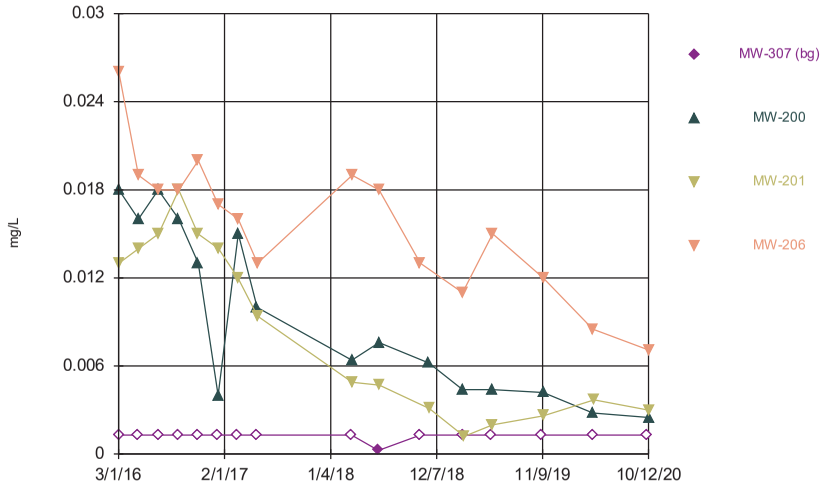
Time Series



Constituent: Selenium Analysis Run 1/7/2021 5:42 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

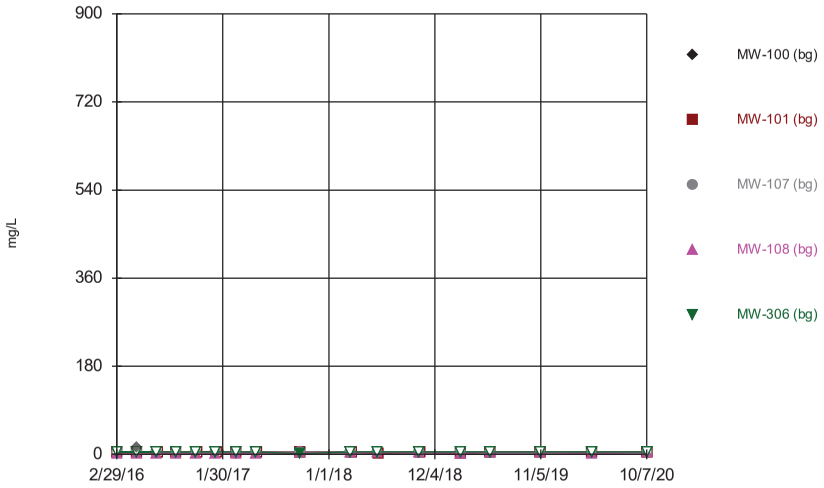
Time Series



Constituent: Selenium Analysis Run 1/7/2021 5:42 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

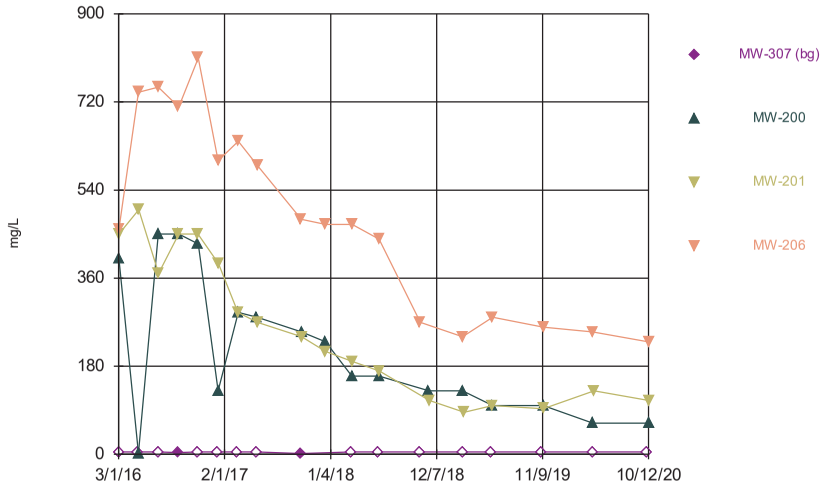
Time Series



Constituent: Sulfate Analysis Run 1/7/2021 5:42 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

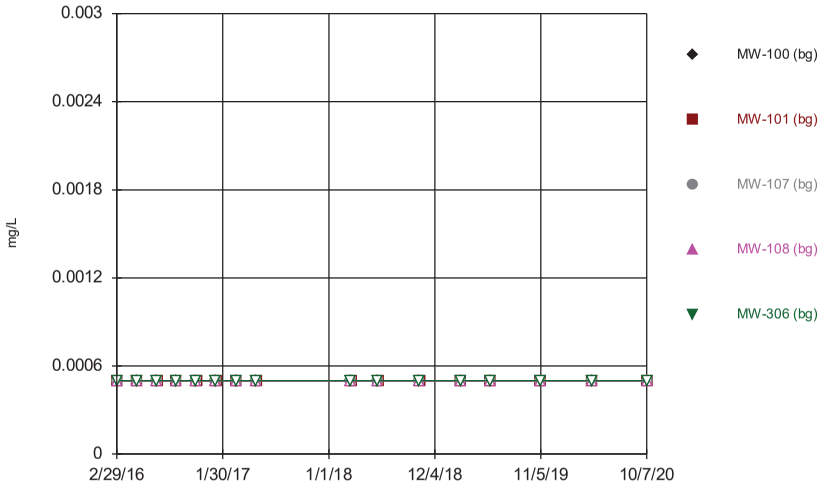
Time Series



Constituent: Sulfate Analysis Run 1/7/2021 5:42 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

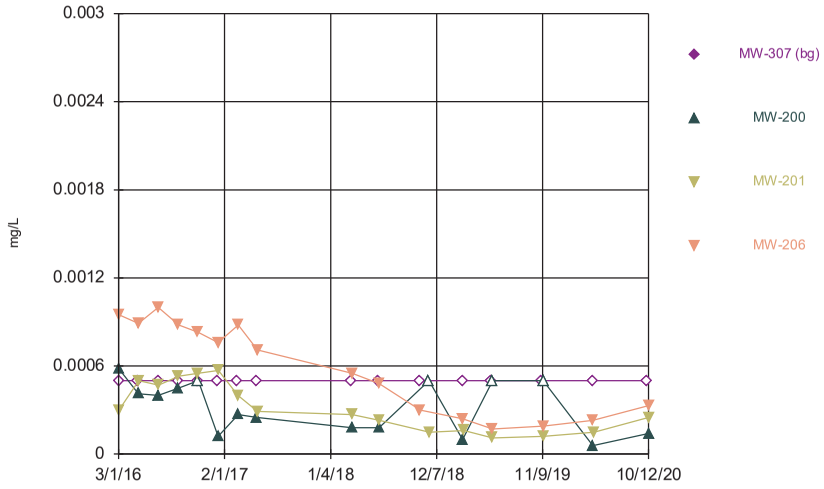
Time Series



Constituent: Thallium Analysis Run 1/7/2021 5:42 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

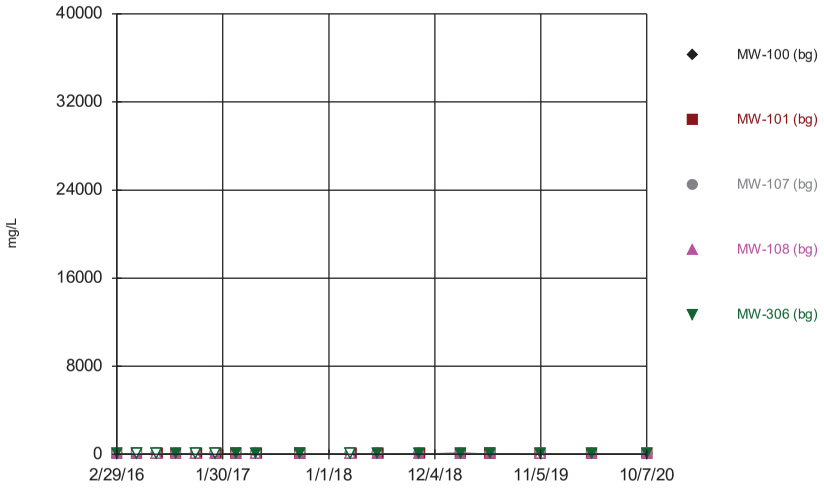
Time Series



Constituent: Thallium Analysis Run 1/7/2021 5:42 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

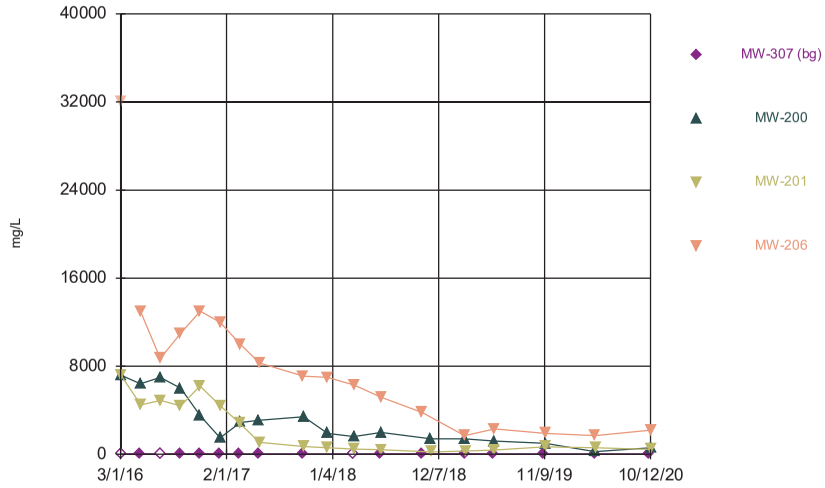
Time Series



Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:42 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:42 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/7/2021 5:43 PM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	<0.0025	<0.0025	<0.0025	<0.0025					
3/1/2016					<0.0025	<0.0025			
3/2/2016							<0.0025	<0.0025	<0.0025
5/2/2016	<0.0025		<0.0025	<0.0025		<0.0025			
5/3/2016					<0.0025		<0.0025		<0.0025
5/4/2016		<0.0025						0.001 (J)	
7/5/2016	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025
7/6/2016								<0.0025	
7/8/2016		<0.0025							
9/6/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
9/8/2016							<0.0025	<0.0025	<0.0025
11/7/2016	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
11/8/2016								<0.0025	
11/9/2016							<0.0025		<0.0025
11/10/2016		<0.0025							
1/9/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
1/11/2017		<0.0025							
1/12/2017							<0.0025		<0.0025
1/13/2017								<0.0025	
3/13/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
3/14/2017		<0.0025							
3/16/2017								<0.0025	
3/17/2017							<0.0025		<0.0025
5/15/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
5/16/2017							<0.0025		
5/17/2017								<0.0025	<0.0025
5/18/2017		<0.0025							
3/12/2018	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
3/13/2018							<0.0025		
3/14/2018		<0.0025						<0.0025	0.0011 (J)
6/5/2018	<0.0025		<0.0025	<0.0025					
6/6/2018					<0.0025	<0.0025			
6/8/2018							<0.0025		<0.0025
6/9/2018								<0.0025	
6/10/2018		<0.0025							
10/16/2018	<0.0025		<0.0025	<0.0025					
10/17/2018					<0.0025	<0.0025			<0.0025
10/18/2018		<0.0025							
11/13/2018							<0.0025		
11/14/2018								0.001 (J)	
2/27/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
2/28/2019							<0.0025		<0.0025
3/5/2019								<0.0025	
4/16/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
4/18/2020							<0.0025		<0.0025
4/22/2020								<0.0025	
10/7/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
10/12/2020							<0.0025	<0.0025	<0.0025

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/7/2021 5:43 PM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	<0.0013	<0.0013	<0.0013	<0.0013					
3/1/2016					<0.0013	0.00038 (J)			
3/2/2016							0.0059 (J)	0.0033 (J)	0.021
5/2/2016	<0.0013		<0.0013	<0.0013		0.00073 (J)			
5/3/2016					<0.0013		0.0038		0.016
5/4/2016		<0.0013						0.0068	
7/5/2016	<0.0013		<0.0013	<0.0013	<0.0013	0.00077 (J)	0.0051		0.017
7/6/2016								0.01	
7/8/2016		<0.0013							
9/6/2016	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0013			
9/8/2016							0.0042 (J)	0.0093	0.011
11/7/2016	<0.0013		<0.0013	<0.0013	<0.0013	<0.0013			
11/8/2016								0.0043 (J)	
11/9/2016							<0.0013		0.011
11/10/2016		<0.0013							
1/9/2017	<0.0013		<0.0013	<0.0013	<0.0013	0.00053 (J)			
1/11/2017		<0.0013							
1/12/2017							0.00068 (J)		0.0062
1/13/2017								0.0034	
3/13/2017	0.00069 (J)		<0.0013	0.00069 (J)	<0.0013	<0.0013			
3/14/2017		<0.0013							
3/16/2017								0.0023	
3/17/2017							0.0029		0.0078
5/15/2017	<0.0013		<0.0013	<0.0013	<0.0013	<0.0013			
5/16/2017							0.0018		
5/17/2017								0.0009 (J)	0.0052
5/18/2017		<0.0013							
3/12/2018	<0.0013		<0.0013	<0.0013	<0.0013	<0.0013			
3/13/2018							0.0013		
3/14/2018		<0.0013						0.00062 (J)	0.0033
6/5/2018	<0.0013		<0.0013	<0.0013					
6/6/2018					<0.0013	<0.0013			
6/8/2018							0.0018		0.003
6/9/2018								0.00063 (J)	
6/10/2018		0.00046 (J)							
10/16/2018	<0.0013		<0.0013	<0.0013					
10/17/2018					<0.0013	<0.0013			0.0028
10/18/2018		<0.0013							
11/13/2018							0.00072 (J)		
11/14/2018								<0.0013	
2/27/2019	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013			
2/28/2019							0.00067 (J)		0.00089 (J)
3/5/2019								<0.0013	
5/31/2019	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013			
6/4/2019							0.00048 (J)	<0.0013	0.001 (J)
11/6/2019	0.0002 (J)	0.00019 (J)	0.0002 (J)	0.00012 (J)	0.00014 (J)	0.00024 (J)			
11/12/2019							0.0011 (J)	<0.0013	0.0022 (V)
4/16/2020	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013			
4/18/2020							0.00044		0.00086
4/22/2020								<0.0013	
10/7/2020	<0.0013	0.00056 (J)	<0.0013	<0.0013	0.00064 (J)	<0.0013			
10/12/2020							<0.0013	<0.0013	0.0017

Time Series

Constituent: Barium (mg/L) Analysis Run 1/7/2021 5:43 PM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	0.014	0.0097 (J)	0.013	0.013					
3/1/2016					0.012	0.015			
3/2/2016							0.089	0.064	0.13
5/2/2016	0.013		0.013	0.01		0.013			
5/3/2016					0.012		0.076		0.11
5/4/2016		0.0095						0.078	
7/5/2016	0.013		0.013	0.0089	0.011	0.017	0.068		0.12
7/6/2016								0.081	
7/8/2016		0.0093							
9/6/2016	0.016	0.011	0.013	0.01	0.012	0.017			
9/8/2016							0.078	0.095	0.13
11/7/2016	0.014		0.013	0.0096	0.012	0.023			
11/8/2016								0.083	
11/9/2016							0.051		0.12
11/10/2016		0.0092							
1/9/2017	0.015		0.012	0.011	0.013	0.016			
1/11/2017		0.0092							
1/12/2017							0.036		0.1
1/13/2017								0.071	
3/13/2017	0.015		0.013	0.011	0.013	0.016			
3/14/2017		0.0095							
3/16/2017								0.06	
3/17/2017							0.061		0.12
5/15/2017	0.015		0.011	0.0089	0.012	0.015			
5/16/2017							0.061		
5/17/2017								0.036	0.11
5/18/2017		0.0095							
3/12/2018	0.017		0.013	0.01	0.013	0.015			
3/13/2018							0.042		
3/14/2018		0.0089						0.03	0.079
6/5/2018	0.018		0.014	0.011					
6/6/2018					0.014	0.017			
6/8/2018							0.057		0.07
6/9/2018								0.029	
6/10/2018		0.0092							
10/16/2018	0.017		0.011	0.011					
10/17/2018					0.012	0.016			0.059
10/18/2018		0.0089							
11/13/2018							0.048		
11/14/2018								0.028	
2/27/2019	0.021	0.011	0.014	0.011	0.015	0.018			
2/28/2019							0.045		0.048
3/5/2019								0.035	
5/31/2019	0.02	0.0088	0.013	0.01	0.014	0.016			
6/4/2019							0.04	0.04	0.048
11/6/2019	0.019	0.0094	0.012	0.0097	0.013	0.017			
11/12/2019							0.0071	0.011	0.0081
4/16/2020	0.02	0.0099	0.012	0.012	0.014	0.017			
4/18/2020							0.025		0.056
4/22/2020								0.048	
10/7/2020	0.02	0.0088	0.012	0.011	0.013	0.016			
10/12/2020							0.025	0.038	0.051

Time Series

Constituent: Beryllium (mg/L) Analysis Run 1/7/2021 5:43 PM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	<0.0025	<0.0025	<0.0025	<0.0025					
3/1/2016					<0.0025	<0.0025			
3/2/2016							<0.0025	<0.0025	0.00055 (J)
5/2/2016	<0.0025		<0.0025	<0.0025		<0.0025			
5/3/2016					<0.0025		<0.0025		<0.0025
5/4/2016		<0.0025						<0.0025	
7/5/2016	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		0.00048 (J)
7/6/2016								<0.0025	
7/8/2016		<0.0025							
9/6/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
9/8/2016							<0.0025	<0.0025	<0.0025
11/7/2016	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
11/8/2016								<0.0025	
11/9/2016							<0.0025		<0.0025
11/10/2016		<0.0025							
1/9/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
1/11/2017		<0.0025							
1/12/2017							<0.0025		<0.0025
1/13/2017								<0.0025	
3/13/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
3/14/2017		<0.0025							
3/16/2017								<0.0025	
3/17/2017							<0.0025		0.00042 (J)
5/15/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
5/16/2017							<0.0025		
5/17/2017								<0.0025	<0.0025
5/18/2017		<0.0025							
3/12/2018	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
3/13/2018							<0.0025		
3/14/2018		<0.0025						<0.0025	<0.0025
6/5/2018	<0.0025		<0.0025	<0.0025					
6/6/2018					<0.0025	<0.0025			
6/8/2018							<0.0025		<0.0025
6/9/2018								<0.0025	
6/10/2018		<0.0025							
10/16/2018	<0.0025		<0.0025	<0.0025					
10/17/2018					<0.0025	<0.0025			<0.0025
10/18/2018		<0.0025							
11/13/2018							<0.0025 (J3)		
11/14/2018								<0.0025 (J3)	
2/27/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
2/28/2019							<0.0025		<0.0025
3/5/2019								<0.0025	
5/31/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
6/4/2019							<0.0025	<0.0025	<0.0025
11/6/2019	9E-05 (J)	4.7E-05 (J)	6.6E-05 (J)	<0.0025	<0.0025	<0.0025			
11/12/2019							<0.0025	<0.0025	<0.0025
4/16/2020	5.4E-05 (J)	4.3E-05 (J)	6.1E-05 (J)	<0.0025	<0.0025	<0.0025			
4/18/2020							4.5E-05 (J)		4.1E-05 (J)
4/22/2020								6.9E-05 (J)	
10/7/2020	0.0014 (J)	0.0014 (J)	0.0015 (J)	0.0015 (J)	0.0014 (J)	0.0014 (J)			
10/12/2020							<0.0025	<0.0025	<0.0025

Time Series

Constituent: Boron (mg/L) Analysis Run 1/7/2021 5:43 PM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	<0.05	<0.05	<0.05	<0.05					
3/1/2016					<0.05	<0.05			
3/2/2016							32	33	82
5/2/2016	<0.05		<0.05	<0.05		<0.05			
5/3/2016					<0.05		38		100
5/4/2016		<0.05						30	
7/5/2016	<0.05		<0.05	<0.05	<0.05	<0.05	42		150
7/6/2016								35	
7/8/2016		<0.05							
9/6/2016	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
9/8/2016							36	38	66
11/7/2016	<0.05		<0.05	<0.05	<0.05	<0.05			
11/8/2016								39	
11/9/2016							25		81
11/10/2016		<0.05							
1/9/2017	<0.05		<0.05	<0.05	<0.05	<0.05			
1/11/2017		<0.05							
1/12/2017							9.1		68
1/13/2017								34	
3/13/2017	<0.05		<0.05	0.022 (J)	<0.05	<0.05			
3/14/2017		<0.05							
3/16/2017								21	
3/17/2017							28		72
5/15/2017	<0.05		<0.05	<0.05	<0.05	<0.05			
5/16/2017							21		
5/17/2017								10	67
5/18/2017		<0.05							
10/2/2017	<0.05		<0.05	0.023 (J)	<0.05	<0.05			
10/3/2017									52
10/4/2017							18	6	
10/5/2017		<0.05							
12/20/2017							16 (R)	4.9 (R)	51
3/12/2018	<0.05		<0.05	<0.05	<0.05	<0.05			
3/13/2018							10		
3/14/2018		<0.05						4.4	48
6/5/2018	<0.05		<0.05	<0.05					
6/6/2018					<0.05	<0.05			
6/8/2018							12		40
6/9/2018								4.1	
6/10/2018		<0.05							
10/16/2018	<0.05		<0.05	<0.05					
10/17/2018					<0.05	<0.05			25
10/18/2018		0.081							
11/13/2018							9.1		
11/14/2018								2.3	
2/27/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
2/28/2019							8.5		20
3/5/2019								2.1	
5/31/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
6/4/2019							11	5.2	19
11/6/2019	0.017 (V)	0.016 (V)	0.016 (V)	0.022 (V)	0.011 (V)	0.0099 (J)			
11/12/2019							5.3	4.5	14

Time Series

Constituent: Boron (mg/L) Analysis Run 1/7/2021 5:43 PM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
4/16/2020	0.02	0.013	0.013	0.017	0.0075 (J)	0.0055 (J)			
4/18/2020							1.6		17
4/22/2020								4.2	
10/7/2020	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
10/12/2020							3	3.3	17

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/7/2021 5:43 PM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	<0.0025	<0.0025	<0.0025	<0.0025					
3/1/2016					<0.0025	<0.0025			
3/2/2016							0.022 (o)	<0.0025	0.0031 (J)
5/2/2016	<0.0025		<0.0025	<0.0025		<0.0025			
5/3/2016					<0.0025		<0.0025		0.0025
5/4/2016		<0.0025						0.014	
7/5/2016	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		0.0026
7/6/2016								0.015	
7/8/2016		<0.0025							
9/6/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
9/8/2016							<0.0025	0.015	0.0026 (J)
11/7/2016	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
11/8/2016								0.014	
11/9/2016							<0.0025		0.0032 (J)
11/10/2016		<0.0025							
1/9/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
1/11/2017		<0.0025							
1/12/2017							<0.0025		0.0031
1/13/2017								0.013	
3/13/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
3/14/2017		<0.0025							
3/16/2017								0.0084	
3/17/2017							<0.0025		0.0027
5/15/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
5/16/2017							<0.0025		
5/17/2017								0.0044	0.0024 (J)
5/18/2017		<0.0025							
3/12/2018	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
3/13/2018							0.00039 (J)		
3/14/2018		<0.0025						0.0032	0.0014 (J)
6/5/2018	<0.0025		<0.0025	<0.0025					
6/6/2018					<0.0025	<0.0025			
6/8/2018							<0.0025		0.0014 (J)
6/9/2018								0.0029	
6/10/2018		<0.0025							
10/16/2018	<0.0025		<0.0025	<0.0025					
10/17/2018					<0.0025	<0.0025			0.00088 (J)
10/18/2018		<0.0025							
11/13/2018							<0.0025		
11/14/2018								0.0021 (J)	
2/27/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
2/28/2019							<0.0025		0.00065 (J)
3/5/2019								0.0023 (J)	
5/31/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
6/4/2019							<0.0025	0.0017 (J)	0.00035 (J)
11/6/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
11/12/2019							0.00061 (J)	0.002 (J)	0.00055 (J)
4/16/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
4/18/2020							0.00091		0.00029 (J)
4/22/2020								0.0013	
10/7/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
10/12/2020							<0.0025	0.0015 (J)	<0.0025

Time Series

Constituent: Calcium (mg/L) Analysis Run 1/7/2021 5:43 PM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	1	1 (J)	0.67	1.4					
3/1/2016					0.6	1.5			
3/2/2016							900	890	2400
5/2/2016	0.78		0.58	1.1		0.83			
5/3/2016					0.55		1200		2100
5/4/2016		0.62						830	
7/5/2016	0.65		0.43	0.94	0.53	1.6	920		2200
7/6/2016								780	
7/8/2016		0.4							
9/6/2016	0.7	0.45	0.48	1	0.5	1.6			
9/8/2016							870	820	2000
11/7/2016	0.8		0.56	1.2	0.68	1.5			
11/8/2016								760	
11/9/2016							570		2000
11/10/2016		0.44							
1/9/2017	0.74		0.43	1.2	0.56	0.98			
1/11/2017		0.42							
1/12/2017							220		1800
1/13/2017								660	
3/13/2017	0.78		0.48	1.3	0.62	0.75			
3/14/2017		0.42							
3/16/2017								400	
3/17/2017							570		1800
5/15/2017	0.76		0.37	1	0.58	0.83			
5/16/2017							500		
5/17/2017								160	1500
5/18/2017		0.38							
10/2/2017	0.78		0.47	1.2	0.62	0.83			
10/3/2017									1300
10/4/2017							490	100	
10/5/2017		0.39							
12/20/2017							420 (R)	82 (R)	1200
3/12/2018	0.88		0.49	1.4	0.59	0.71			
3/13/2018							290		
3/14/2018		0.49						75	1100
6/5/2018	0.9		0.49	1.2					
6/6/2018					0.59	0.68			
6/8/2018							320		800
6/9/2018								64	
6/10/2018		0.39							
10/16/2018	0.86		0.42	1.4					
10/17/2018					0.54	0.66			530
10/18/2018		0.41							
11/13/2018							220		
11/14/2018								38	
2/27/2019	0.96	0.44	0.56	1.3	0.63	0.7			
2/28/2019							230		350
3/5/2019								43	
5/31/2019	0.76	0.28	0.33	1.1	0.45	0.52			
6/4/2019							170	54	380 (D)
11/6/2019	0.88	0.46	0.49	1.2	0.55	0.74			
11/12/2019							130	82	240

Time Series

Constituent: Calcium (mg/L) Analysis Run 1/7/2021 5:43 PM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
4/16/2020	0.84	0.38	0.36	1.3	0.53	0.59			
4/18/2020							40		320
4/22/2020								61	
10/7/2020	0.93	0.47	0.43	1.6	0.63	0.67			
10/12/2020							74	58	300

Time Series

Constituent: Chloride (mg/L) Analysis Run 1/7/2021 5:43 PM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	5.3	5.4	8.1	7.4					
3/1/2016					5.6	4			
3/2/2016							1700	1700	4700
5/2/2016	4.4		6	6.3		3.6			
5/3/2016					5.1		2500		4900
5/4/2016		4.5						1600	
7/5/2016	4.2		5.2	4.8	4.7	3.6	<140 (*)		360 (o)
7/6/2016								2000	
7/8/2016		4.9							
9/6/2016	4.3	4.3	5.5	6	4.4	4			
9/8/2016							1900	1800	4400
11/7/2016	4.2		5.4	5.7	4.6	4.4			
11/8/2016								1800	
11/9/2016							1200		4800
11/10/2016		4.5							
1/9/2017	5.3		6.1	6.8	5.3	4.4			
1/11/2017		5.3							
1/12/2017							470		3900
1/13/2017								1500	
3/13/2017	5.2		5.5	6.8	5.6	4.1			
3/14/2017		5.5							
3/16/2017								870	
3/17/2017							1100		3700
5/15/2017	4.8		4.7	6.1	5.2	3.7			
5/16/2017							1000		
5/17/2017								310	3500
5/18/2017		5							
10/2/2017	5.5		6.1	6	5.5	4.8			
10/3/2017									2300
10/4/2017							910	160	
10/5/2017		5.6							
12/20/2017							810 (R)	110 (R)	2400
3/12/2018	5.3		6.1	5.9	5.6	4			
3/13/2018							530		
3/14/2018		5.2						110	2100
6/5/2018	5.3		5.5	6.5					
6/6/2018					5.6	4.1			
6/8/2018							680		1800
6/9/2018								86	
6/10/2018		5.2							
10/16/2018	5.5		5.1	5.9					
10/17/2018					5.5	3.7			1200
10/18/2018		5.2							
11/13/2018							450		
11/14/2018								41	
2/27/2019	4.6	5.1	5	4.3	5.1	4			
2/28/2019							470		720
3/5/2019								75	
5/31/2019	5.1	5	5.4	4.5	5.4	3.7			
6/4/2019							310	98	690
11/6/2019	5.8	6	6.1	5.7	5.9	4.7			
11/12/2019							280	190	490

Time Series

Constituent: Chloride (mg/L) Analysis Run 1/7/2021 5:43 PM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
4/16/2020	6.1	5.8	5.3	5.6	6.2	4.9			
4/18/2020							59		660
4/22/2020								120	
10/7/2020	6.6	5.9	5.7	5.1	6.1	4.7			
10/12/2020							130	82	610

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/7/2021 5:43 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	<0.0025	<0.0025	<0.0025	<0.0025					
3/1/2016					<0.0025	0.00056 (J)			
3/2/2016							<0.0025	<0.0025	0.0026 (J)
5/2/2016	0.0029		0.0019 (J)	0.0034		0.0021 (J)			
5/3/2016					0.0012 (J)		<0.0025		<0.0025
5/4/2016		<0.0025						<0.0025	
7/5/2016	<0.0025		0.0051	0.0059	<0.0025	<0.0025	<0.0025		<0.0025
7/6/2016								<0.0025	
7/8/2016		<0.0025							
9/6/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
9/8/2016							<0.0025	<0.0025	<0.0025
11/7/2016	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
11/8/2016								<0.0025	
11/9/2016							<0.0025		<0.0025
11/10/2016		<0.0025							
1/9/2017	<0.0025		0.017 (o)	<0.0025	<0.0025	<0.0025			
1/11/2017		<0.0025							
1/12/2017							<0.0025		<0.0025
1/13/2017								<0.0025	
3/13/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
3/14/2017		<0.0025							
3/16/2017								<0.0025	
3/17/2017							<0.0025		<0.0025
5/15/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
5/16/2017							<0.0025		
5/17/2017								<0.0025	<0.0025
5/18/2017		<0.0025							
3/12/2018	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
3/13/2018							<0.0025		
3/14/2018		<0.0025						<0.0025	<0.0025
6/5/2018	<0.0025		<0.0025	<0.0025					
6/6/2018					<0.0025	<0.0025			
6/8/2018							<0.0025		<0.0025
6/9/2018								<0.0025	
6/10/2018		<0.0025							
10/16/2018	<0.0025		<0.0025	<0.0025					
10/17/2018					<0.0025	<0.0025			
10/18/2018		<0.0025							
2/27/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
2/28/2019							<0.0025		<0.0025
3/5/2019								<0.0025	
5/31/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
11/6/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
4/16/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
4/18/2020							<0.0025		<0.0025
4/22/2020								<0.0025	
10/7/2020	<0.0025	0.0046	0.001 (J)	0.0015 (J)	0.0033	0.0017 (J)			
10/12/2020							<0.0025	0.0011 (J)	<0.0025

Time Series

Constituent: Cobalt (mg/L) Analysis Run 1/7/2021 5:43 PM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	0.00039 (J)	<0.0025	0.00064 (J)	0.00023 (J)					
3/1/2016					0.00064 (J)	0.00071 (J)			
3/2/2016							0.0024 (J)	0.0013 (J)	0.0074 (J)
5/2/2016	0.0013 (J)		0.0014 (J)	0.00092 (J)		0.001 (J)			
5/3/2016					0.00079 (J)		0.0015 (J)		0.0051
5/4/2016		<0.0025						0.0026	
7/5/2016	0.00049 (J)		0.0027	0.0032	<0.0025	0.00055 (J)	0.0015 (J)		0.0055
7/6/2016								0.0033	
7/8/2016		<0.0025							
9/6/2016	0.00062 (J)	0.00042 (J)	0.00062 (J)	<0.0025	0.00094 (J)	0.00057 (J)			
9/8/2016							<0.0025	0.0038 (J)	0.0056 (J)
11/7/2016	0.00049 (J)		0.00058 (J)	<0.0025	0.00041 (J)	0.00047 (J)			
11/8/2016								0.0035 (J)	
11/9/2016							<0.0025		0.0057 (J)
11/10/2016		<0.0025							
1/9/2017	0.00045 (J)		0.00059 (J)	<0.0025	0.00074 (J)	0.00054 (J)			
1/11/2017		<0.0025							
1/12/2017							0.00056 (J)		0.0044
1/13/2017								0.006	
3/13/2017	0.00048 (J)		0.0005 (J)	<0.0025	0.00091 (J)	0.0004 (J)			
3/14/2017		<0.0025							
3/16/2017								0.0021 (J)	
3/17/2017							0.0012 (J)		0.0027
5/15/2017	0.00052 (J)		0.00046 (J)	<0.0025	0.00075 (J)	0.00046 (J)			
5/16/2017							0.0013 (J)		
5/17/2017								0.0021 (J)	0.0035
5/18/2017		<0.0025							
3/12/2018	0.00055 (J)		0.00055 (J)	<0.0025	0.00044 (J)	<0.0025			
3/13/2018							0.0011 (J)		
3/14/2018		<0.0025						0.0022 (J)	0.0027
6/5/2018	0.00051 (J)		0.00052 (J)	<0.0025					
6/6/2018					0.0004 (J)	0.00048 (J)			
6/8/2018							0.0028		0.0029
6/9/2018								0.0016 (J)	
6/10/2018		<0.0025							
10/16/2018	0.00058 (J)		0.00045 (J)	<0.0025					
10/17/2018					<0.0025	0.00043 (J)			0.0027
10/18/2018		<0.0025							
11/13/2018							0.0019 (J)		
11/14/2018								0.0016 (J)	
2/27/2019	0.00065 (J)	<0.0025	0.00056 (J)	<0.0025	<0.0025	0.00045 (J)			
2/28/2019							0.0024 (J)		0.0022 (J)
3/5/2019								0.0017 (J)	
5/31/2019	0.00046 (J)	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
6/4/2019							0.0013 (J)	0.0014 (J)	0.0018 (J)
11/6/2019	0.00056 (J)	0.00033 (J)	0.00048 (J)	0.00019 (J)	0.00029 (J)	0.00094 (J)			
11/12/2019							<0.0025	<0.0025	0.00067 (J)
4/16/2020	0.00058	0.00035 (J)	0.00043 (J)	0.00021 (J)	0.00029 (J)	0.00053			
4/18/2020							0.00048 (J)		0.0016
4/22/2020								0.00091	
10/7/2020	0.0006 (J)	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
10/12/2020							<0.0025	0.0014 (J)	0.0019 (J)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 1/7/2021 5:43 PM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	1.27	1.09	1.42	2.4					
3/1/2016					0.647	<5			
3/2/2016							22.9	22.1	36.5
5/2/2016	0.808		1.03	1.62		<5			
5/3/2016					0.748		23.6		35.5
5/4/2016		0.848						19.9	
7/5/2016	0.947		0.961	1.01	0.591	<5	23.6		32.9
7/6/2016								28.5	
7/8/2016		1.46							
9/6/2016	1.07	1.34	1.07	1.8	0.831	0.566			
9/8/2016							20.8	20.1	23
11/7/2016	0.602		0.818	1.86	0.983	0.784			
11/8/2016								24.6	
11/9/2016							7.46		40.5
11/10/2016		1.23							
1/9/2017	0.865		0.934	2.25	0.767	0.541			
1/11/2017		1.11							
1/12/2017							11.2		35.4
1/13/2017								22.8	
3/13/2017	0.693		0.937	1.87	1.26	0.442			
3/14/2017		1.01							
3/16/2017								12.2	
3/17/2017							14.3		27.7
5/15/2017	0.786		0.685	1.4	0.553	0.345			
5/16/2017							16.9		
5/17/2017								7.05	26.4
5/18/2017		0.745							
3/12/2018	0.933		1.09	1.97	0.783	0.848			
3/13/2018							10.9		
3/14/2018		0.614						6.95	17.7
6/5/2018	0.713		0.927	2.17					
6/6/2018					1.08	0.78			
6/8/2018							10.6		15.3
6/9/2018								6.52	
6/10/2018		0.959							
10/16/2018	2.14		1.07	2.2					
10/17/2018					1.19	0.88			12.6
10/18/2018		0.944							
11/13/2018							9.09		
11/14/2018								5.66	
2/27/2019	0.651	0.827	0.912	1.8	0.741	0.431			
2/28/2019							9.7		8.04
3/5/2019								8.11	
5/31/2019	1.33	0.99	1.24	1.8	0.759	0.884			
6/4/2019							7.7	5.89	8.36
11/6/2019	1.32	0.892	0.509 (U)	2.32	0.105 (U)	0.366 (U)			
11/12/2019							6.4	8.32	7.14
4/16/2020	0.971	0.497	0.568	1.35	0.588	0.264 (U)			
4/18/2020							2.42		7.03
4/22/2020								7.2	
10/7/2020	1.14	1.07	0.763	1.75	0.709 (U)	0.46 (U)			
10/12/2020							4.51	7.02	9.54

Time Series

Constituent: Field pH (SU) Analysis Run 1/7/2021 5:43 PM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	5.11	5.26	5.11	4.9					
3/1/2016					5.08	6.37			
3/2/2016							5.16 (D)	5.57	4.62
5/2/2016	4.76		4.77	4.69		5.605 (D)			
5/3/2016					5.14		5.1		4.26
5/4/2016		5.1						5.62	
7/5/2016	5.12		5.48	7.11 (o)	5.38	6.29	4.86		4.15
7/6/2016								5.52	
7/8/2016		4.96							
9/6/2016	5.11	5.43	5.12	5.19	5.37	6.42			
9/8/2016							4.76	5.26	4.6
11/7/2016	4.76		4.73	4.64	4.92	5.75			
11/8/2016								5.09	
11/9/2016							4.99		4.12
11/10/2016		4.89							
1/9/2017	4.99		5	4.94	5.05	5.98			
1/11/2017		4.87							
1/12/2017							5.04		4.24
1/13/2017								5.14	
3/13/2017	4.57		4.74	4.63	4.87	5.81			
3/14/2017		4.71							
3/16/2017								5.1	
3/17/2017							5.02		4.22
5/15/2017	4.6		4.63	4.52	4.69	5.42			
5/16/2017							4.77		
5/17/2017								4.9	4.35
5/18/2017		4.5							
10/2/2017	4.64		4.63	4.54	4.88	5.63			
10/3/2017									4.11
10/4/2017							4.89	4.84	
10/5/2017		4.63							
12/20/2017							4.94 (R)	4.94 (R)	4.31
3/12/2018	4.85		4.81	4.81	5.07	5.6			
3/13/2018							5.19		
3/14/2018		5.14						4.82	4.35
6/5/2018	4.92		5.04	4.9					
6/6/2018					5.09	5.58			
6/8/2018							5.05		4.31
6/9/2018								4.81	
6/10/2018		5.12							
10/16/2018	4.93		4.98	4.81					
10/17/2018					4.99	5.54			4.41
10/18/2018		4.97							
11/13/2018							5.11		
11/14/2018								4.85	
2/27/2019	4.75	4.84	4.78	4.71	4.87	5.4			
2/28/2019							4.97		4.42
3/5/2019								4.71	
5/31/2019	4.9	4.92	4.92	4.84	4.89	5.45			
6/4/2019							5.27	4.85	4.69
11/6/2019	4.82	4.94	4.88	4.78	5.04	5.52			
11/12/2019							4.92	4.67	4.56

Time Series

Constituent: Field pH (SU) Analysis Run 1/7/2021 5:43 PM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
4/16/2020	5.03	5.17	5.15	4.96	5.13	5.58			
4/18/2020							5.2		5
4/22/2020								4.69	
10/7/2020	4.74	5.08	4.91	4.8	5.13	5.5			
10/12/2020							5.3	4.56	4.82

Time Series

Constituent: Fluoride (mg/L) Analysis Run 1/7/2021 5:43 PM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	<0.1	<0.1	<0.1	<0.1					
3/1/2016					<0.1	0.033 (J)			
3/2/2016							0.088 (J)	0.54	0.074 (J)
5/2/2016	<0.1		<0.1	<0.1		<0.1			
5/3/2016					<0.1		0.05 (J)		0.05 (J)
5/4/2016		<0.1						0.41	
7/5/2016	<0.1		<0.1	<0.1	<0.1	<0.1	0.07 (J)		0.05 (J)
7/6/2016								0.49	
7/8/2016		<0.1							
9/6/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
9/8/2016							0.07 (J)	0.57	0.05 (J)
11/7/2016	<0.1		<0.1	<0.1	<0.1	<0.1			
11/8/2016								0.47	
11/9/2016							0.06 (J)		0.04 (J)
11/10/2016		<0.1							
1/9/2017	<0.1		<0.1	<0.1	<0.1	<0.1			
1/11/2017		<0.1							
1/12/2017							<0.1		0.04 (J)
1/13/2017								0.73	
3/13/2017	<0.1		<0.1	<0.1	<0.1	<0.1			
3/14/2017		<0.1							
3/16/2017								0.92	
3/17/2017							0.05 (J)		0.04 (J)
5/15/2017	<0.1		<0.1	<0.1	<0.1	<0.1			
5/16/2017							0.06 (J)		
5/17/2017								0.77	0.06 (J)
5/18/2017		<0.1							
10/2/2017	<0.1		<0.1	<0.1	<0.1	<0.1			
10/3/2017									0.11
10/4/2017							0.08 (J)	0.96	
10/5/2017		<0.1							
12/20/2017								0.88 (R)	0.08 (I)
3/12/2018	<0.1		<0.1	<0.1	<0.1	<0.1			
3/13/2018							0.05 (J)		
3/14/2018		0.12						0.84	0.08 (J)
6/5/2018	<0.1		<0.1	<0.1					
6/6/2018					<0.1	<0.1			
6/8/2018							0.13		0.1
6/9/2018								0.78	
6/10/2018		<0.1							
10/16/2018	<0.1		<0.1	<0.1					
10/17/2018					<0.1	<0.1			0.12
10/18/2018		<0.1							
11/13/2018							0.1		
11/14/2018								0.67	
2/27/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
2/28/2019							0.3		0.1
3/5/2019								0.64	
5/31/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
6/4/2019							<0.1	0.09 (J)	0.08 (J)
11/6/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
11/12/2019							0.072 (J)	0.57	0.045 (J)

Time Series

Constituent: Fluoride (mg/L) Analysis Run 1/7/2021 5:43 PM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
4/16/2020	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
4/18/2020							<0.1		<0.1
4/22/2020								0.39	
10/7/2020	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
10/12/2020							<0.1	0.46	0.04 (J)

Time Series

Constituent: Lead (mg/L) Analysis Run 1/7/2021 5:43 PM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	<0.0013	<0.0013	<0.0013	<0.0013					
3/1/2016					<0.0013	<0.0013			
3/2/2016							<0.0013	<0.0013	0.011
5/2/2016	<0.0013		<0.0013	<0.0013		<0.0013			
5/3/2016					<0.0013		0.0015		0.0087
5/4/2016		<0.0013						<0.0013	
7/5/2016	<0.0013		<0.0013	<0.0013	<0.0013	<0.0013	0.0017		0.011
7/6/2016								<0.0013	
7/8/2016		<0.0013							
9/6/2016	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013			
9/8/2016							0.0021 (J)	<0.0013	0.0092
11/7/2016	<0.0013		<0.0013	<0.0013	<0.0013	<0.0013			
11/8/2016								<0.0013	
11/9/2016							<0.0013		0.01
11/10/2016		<0.0013							
1/9/2017	<0.0013		<0.0013	<0.0013	<0.0013	<0.0013			
1/11/2017		<0.0013							
1/12/2017							0.00041 (J)		0.0086
1/13/2017								<0.0013	
3/13/2017	<0.0013		<0.0013	<0.0013	<0.0013	<0.0013			
3/14/2017		<0.0013							
3/16/2017								<0.0013	
3/17/2017							0.0011 (J)		0.0082
5/15/2017	<0.0013		<0.0013	<0.0013	<0.0013	<0.0013			
5/16/2017							0.0011 (J)		
5/17/2017								<0.0013	0.0081
5/18/2017		<0.0013							
3/12/2018	<0.0013		<0.0013	<0.0013	<0.0013	<0.0013			
3/13/2018							0.00047 (J)		
3/14/2018		<0.0013						<0.0013	0.004
6/5/2018	<0.0013		<0.0013	<0.0013					
6/6/2018					<0.0013	<0.0013			
6/8/2018							0.0013		0.0034
6/9/2018								<0.0013	
6/10/2018		<0.0013							
10/16/2018	<0.0013		<0.0013	<0.0013					
10/17/2018					<0.0013	<0.0013			0.0026
10/18/2018		<0.0013							
11/13/2018							0.0014		
11/14/2018								<0.0013	
2/27/2019	<0.0013	<0.0013	0.001 (J)	<0.0013	<0.0013	<0.0013			
2/28/2019							0.0012 (J)		0.0019
3/5/2019								0.00037 (J)	
5/31/2019	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013			
6/4/2019							0.00079 (J)	0.00065 (J)	0.0011 (J)
11/6/2019	0.0001 (J)	<0.0013	6.6E-05 (J)	8.4E-05 (J)	<0.0013	0.0002 (J)			
11/12/2019							0.00069 (J)	0.00061 (J)	0.001 (J)
4/16/2020	6.6E-05 (J)	<0.0013	<0.0013	<0.0013	<0.0013	0.00016 (J)			
4/18/2020							0.00042		0.00057
4/22/2020								0.0005	
10/7/2020	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013			
10/12/2020							0.00034 (J)	0.0005 (J)	0.00085 (J)

Time Series

Constituent: Lithium (mg/L) Analysis Run 1/7/2021 5:43 PM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	<0.005	<0.005	<0.005	<0.005					
3/1/2016					<0.005	0.0037			
3/2/2016							0.01 (J)	<0.005	<0.005
5/2/2016	<0.005		<0.005	<0.005		<0.005			
5/3/2016					<0.005		<0.005		<0.005
5/4/2016		<0.005						0.0069	
7/5/2016	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005		<0.005
7/6/2016								0.0086	
7/8/2016		<0.005							
9/6/2016	<0.005	0.0037 (J)	<0.005	<0.005	<0.005	<0.005			
9/8/2016							<0.005	0.035	<0.005
11/7/2016	<0.005		<0.005	<0.005	<0.005	0.0097 (o)			
11/8/2016								<0.005	
11/9/2016							<0.005		<0.005
11/10/2016		<0.005							
1/9/2017	<0.005		<0.005	<0.005	<0.005	<0.005			
1/11/2017		<0.005							
1/12/2017							<0.005		<0.005
1/13/2017								0.0078	
3/13/2017	<0.005		<0.005	<0.005	<0.005	<0.005			
3/14/2017		<0.005							
3/16/2017								0.0062	
3/17/2017							<0.005		<0.005
5/15/2017	<0.005		<0.005	<0.005	<0.005	<0.005			
5/16/2017							<0.005		
5/17/2017								0.0042 (J)	<0.005
5/18/2017		<0.005							
3/12/2018	0.0011 (J)		0.0014 (J)	<0.005	<0.005	<0.005			
3/13/2018							<0.005		
3/14/2018		<0.005						0.0053	<0.005
6/5/2018	<0.005		0.0012 (J)	<0.005					
6/6/2018					<0.005	0.0021 (J)			
6/8/2018							<0.005		0.0012 (J)
6/9/2018								0.0044 (J)	
6/10/2018		<0.005							
10/16/2018	<0.005		0.0015 (J)	0.0013 (J)					
10/17/2018					<0.005	0.0012 (J)			0.0014 (J)
10/18/2018		0.0013 (J)							
11/13/2018							0.0024 (J)		
11/14/2018								0.005	
2/27/2019	<0.005	<0.005	<0.005	<0.005	<0.005	0.002 (J)			
2/28/2019							0.0025 (J)		<0.005
3/5/2019								0.0043 (J)	
5/31/2019	0.0021 (J)	0.0013 (J)	0.0017 (J)	0.0017 (J)	0.0015 (J)	0.0026 (J)			
6/4/2019							0.0012 (J)	0.0044 (J)	<0.005
11/6/2019	0.0011	0.001	0.0011	<0.005	0.00063 (J)	0.0012			
11/12/2019							<0.005	0.0026 (J)	<0.005
4/16/2020	0.0006 (J)	<0.005	0.00063 (J)	<0.005	<0.005	0.00091 (J)			
4/18/2020							<0.005		<0.005
4/22/2020								0.0024	
10/7/2020	0.0054	0.0052	0.0054	0.0048 (J)	0.005	0.0049 (J)			
10/12/2020							<0.005	0.0026 (J)	<0.005

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/7/2021 5:43 PM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	<0.0002	<0.0002	9.1E-05 (J)	<0.0002					
3/1/2016					<0.0002	<0.0002			
3/2/2016							0.0027	0.0026	0.00024
5/2/2016	<0.0002		7.4E-05 (J)	<0.0002		<0.0002			
5/3/2016					<0.0002		0.003		0.00036
5/4/2016		<0.0002						0.0022	
7/5/2016	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	0.0023		0.0007
7/6/2016								0.0026	
7/8/2016		<0.0002 (*)							
9/6/2016	<0.0002 (*)	<0.0002	<0.0002 (*)	<0.0002	<0.0002 (*)	<0.0002 (*)			
9/8/2016							0.0034	0.0027	0.00081
11/7/2016	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002			
11/8/2016								0.0016	
11/9/2016							0.0012		0.00099
11/10/2016		<0.0002							
1/9/2017	<0.0002 (*)		<0.0002 (*)	<0.0002 (*)	<0.0002 (*)	<0.0002 (*)			
1/11/2017		<0.0002							
1/12/2017							0.0012		0.00064
1/13/2017								0.0026	
3/13/2017	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002			
3/14/2017		<0.0002 (*)							
3/16/2017								0.0015	
3/17/2017							0.0022		0.00033
5/15/2017	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002			
5/16/2017							0.0019		
5/17/2017								0.00016 (J)	0.00034
5/18/2017		<0.0002							
3/12/2018	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002			
3/13/2018							0.0014		
3/14/2018		9.3E-05 (J)						0.00051	0.0002
6/5/2018	<0.0002		<0.0002	<0.0002					
6/6/2018					<0.0002	<0.0002			
6/8/2018							0.0018		0.00016 (J)
6/9/2018								0.00032	
6/10/2018		<0.0002							
10/16/2018	<0.0002		<0.0002	<0.0002					
10/17/2018					<0.0002	<0.0002			0.00014 (J)
10/18/2018		<0.0002							
11/13/2018							0.0021		
11/14/2018								8.2E-05 (J)	
2/27/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			
2/28/2019							0.0016		0.00012 (J)
3/5/2019								0.0026	
5/31/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			
6/4/2019							0.00061	0.0012	<0.0002
11/6/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			
11/12/2019							0.00056	0.00048	<0.0002
4/16/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			
4/18/2020							0.00013 (J)		<0.0002
4/22/2020								0.0004	
10/7/2020	<0.0002	<0.0002	0.00025	0.00013 (J)	8E-05 (J)	<0.0002			
10/12/2020							0.00017 (J)	0.00026	<0.0002

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 1/7/2021 5:43 PM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	<0.015	<0.015	<0.015	<0.015					
3/1/2016					<0.015	<0.015			
3/2/2016							<0.015	<0.015	<0.015
5/2/2016	<0.015		<0.015	<0.015		<0.015			
5/3/2016					<0.015		<0.015		<0.015
5/4/2016		<0.015						<0.015	
7/5/2016	<0.015		<0.015	<0.015	<0.015	<0.015	<0.015		<0.015
7/6/2016								<0.015	
7/8/2016		<0.015							
9/6/2016	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015			
9/8/2016							<0.015	<0.015	<0.015
11/7/2016	<0.015		<0.015	<0.015	<0.015	<0.015			
11/8/2016								<0.015	
11/9/2016							<0.015		<0.015
11/10/2016		<0.015							
1/9/2017	<0.015		<0.015	<0.015	<0.015	<0.015			
1/11/2017		<0.015							
1/12/2017							<0.015		<0.015
1/13/2017								<0.015	
3/13/2017	0.0042 (J)		<0.015	0.0022 (J)	<0.015	<0.015			
3/14/2017		<0.015							
3/16/2017								0.0015 (J)	
3/17/2017							0.0078 (J)		<0.015
5/15/2017	<0.015		<0.015	<0.015	<0.015	<0.015			
5/16/2017							<0.015		
5/17/2017								<0.015	<0.015
5/18/2017		<0.015							
3/12/2018	<0.015		<0.015	<0.015	<0.015	<0.015			
3/13/2018							<0.015		
3/14/2018		<0.015						<0.015	0.00092 (J)
6/5/2018	<0.015		0.00088 (J)	<0.015					
6/6/2018					<0.015	<0.015			
6/8/2018							<0.015		<0.015
6/9/2018								<0.015	
6/10/2018		<0.015							
10/16/2018	<0.015		<0.015	<0.015					
10/17/2018					<0.015	<0.015			<0.015
10/18/2018		<0.015							
11/13/2018							<0.015		
11/14/2018								<0.015	
2/27/2019	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015			
2/28/2019							<0.015		<0.015
3/5/2019								<0.015	
5/31/2019	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015			
11/6/2019	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015			
4/16/2020	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015			
4/18/2020							<0.015		<0.015
4/22/2020								<0.015	
10/7/2020	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015			
10/12/2020							<0.015	<0.015	<0.015

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/7/2021 5:43 PM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	<0.0013	<0.0013	<0.0013	<0.0013					
3/1/2016					<0.0013	<0.0013			
3/2/2016							0.018	0.013	0.026
5/2/2016	<0.0013		<0.0013	0.00025 (J)		<0.0013			
5/3/2016					<0.0013		0.016		0.019
5/4/2016		<0.0013						0.014	
7/5/2016	<0.0013		<0.0013	<0.0013	<0.0013	<0.0013	0.018		0.018
7/6/2016								0.015	
7/8/2016		<0.0013							
9/6/2016	0.00049 (J)	<0.0013	<0.0013	0.00027 (J)	<0.0013	<0.0013			
9/8/2016							0.016	0.018	0.018
11/7/2016	<0.0013		<0.0013	<0.0013	<0.0013	<0.0013			
11/8/2016								0.015	
11/9/2016							0.013		0.02
11/10/2016		<0.0013							
1/9/2017	<0.0013		<0.0013	<0.0013	<0.0013	<0.0013			
1/11/2017		0.00049 (J)							
1/12/2017							0.004		0.017
1/13/2017								0.014	
3/13/2017	0.0023		<0.0013	0.0025	<0.0013	<0.0013			
3/14/2017		<0.0013							
3/16/2017								0.012	
3/17/2017							0.015		0.016
5/15/2017	<0.0013		<0.0013	<0.0013	<0.0013	<0.0013			
5/16/2017							0.01		
5/17/2017								0.0094	0.013
5/18/2017		<0.0013							
3/12/2018	0.00046 (J)		0.00064 (J)	0.00047 (J)	0.00026 (J)	<0.0013			
3/13/2018							0.0064		
3/14/2018		0.00067 (J)						0.0049	0.019
6/5/2018	0.00049 (J)		0.00098 (J)	0.00065 (J)					
6/6/2018					0.00025 (J)	0.00026 (J)			
6/8/2018							0.0076		0.018
6/9/2018								0.0047	
6/10/2018		0.00028 (J)							
10/16/2018	<0.0013		<0.0013	<0.0013					
10/17/2018					<0.0013	<0.0013			0.013
10/18/2018		<0.0013							
11/13/2018							0.0062		
11/14/2018								0.0031	
2/27/2019	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013			
2/28/2019							0.0044		0.011
3/5/2019								0.0012 (J)	
5/31/2019	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013			
6/4/2019							0.0044	0.002	0.015
11/6/2019	<0.0013	<0.0013	<0.0013	0.00034	<0.0013	<0.0013			
11/12/2019							0.0042	0.0026	0.012
4/16/2020	<0.0013	<0.0013	<0.0013	0.0004	<0.0013	<0.0013			
4/18/2020							0.0028		0.0085
4/22/2020								0.0037	
10/7/2020	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013			
10/12/2020							0.0025	0.003	0.0071

Time Series

Constituent: Sulfate (mg/L) Analysis Run 1/7/2021 5:43 PM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	<5	<5	<5	1.6 (J)					
3/1/2016					<5	<5			
3/2/2016							400	450	460
5/2/2016	15 (o)		<5	2.1 (J)		<5			
5/3/2016					<5		2.2 (J)		740
5/4/2016		<5						500	
7/5/2016	<5		<5	2 (J)	<5	<5	450 (J)		750
7/6/2016								370	
7/8/2016		<5							
9/6/2016	<5	<5	<5	1.8 (J)	<5	3.7 (J)			
9/8/2016							450	450	710
11/7/2016	<5		<5	1.7 (J)	<5	<5			
11/8/2016								450	
11/9/2016							430		810
11/10/2016		<5							
1/9/2017	<5		2.6 (J)	1.5 (J)	<5	<5			
1/11/2017		<5							
1/12/2017							130		600
1/13/2017								390	
3/13/2017	2.5 (J)		<5	2.2 (J)	<5	<5			
3/14/2017		<5							
3/16/2017								290	
3/17/2017							290		640
5/15/2017	<5		<5	1.9 (J)	<5	<5			
5/16/2017							280		
5/17/2017								270	590
5/18/2017		<5 (X)							
10/2/2017	<5		<5	3.4 (J)	1.5 (J)	1.7 (J)			
10/3/2017									480
10/4/2017							250	240	
10/5/2017		<5							
12/20/2017							230 (R)	210 (R)	470
3/12/2018	<5		<5	2.6 (J)	<5	<5			
3/13/2018							160		
3/14/2018		<5						190	470
6/5/2018	<5		<5	2.6 (J)					
6/6/2018					<5	<5			
6/8/2018							160		440
6/9/2018								170	
6/10/2018		1.5 (J)							
10/16/2018	<5		<5	2.8 (J)					
10/17/2018					<5	<5			270
10/18/2018		<5							
11/13/2018							130		
11/14/2018								110	
2/27/2019	<5	1.9 (J)	<5	2.4 (J)	<5	<5			
2/28/2019							130		240
3/5/2019								86	
5/31/2019	<5	<5	<5	3.3 (J)	<5	<5			
6/4/2019							100	100	280
11/6/2019	<5	<5	<5	3.7 (J)	<5	<5			
11/12/2019							100	93	260

Time Series

Constituent: Sulfate (mg/L) Analysis Run 1/7/2021 5:43 PM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
4/16/2020	<5	<5	<5	1.7 (J)	<5	<5			
4/18/2020							64		250
4/22/2020								130	
10/7/2020	<5	<5	<5	4 (J)	<5	<5			
10/12/2020							64	110	230

Time Series

Constituent: Thallium (mg/L) Analysis Run 1/7/2021 5:43 PM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	<0.0005	<0.0005	<0.0005	<0.0005					
3/1/2016					<0.0005	<0.0005			
3/2/2016							0.00058 (J)	0.0003 (J)	0.00095 (J)
5/2/2016	<0.0005		<0.0005	<0.0005		<0.0005			
5/3/2016					<0.0005		0.00041 (J)		0.00089
5/4/2016		<0.0005						0.0005	
7/5/2016	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	0.0004 (J)		0.001
7/6/2016								0.00047 (J)	
7/8/2016		<0.0005							
9/6/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
9/8/2016							0.00045 (J)	0.00053 (J)	0.00088 (J)
11/7/2016	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
11/8/2016								0.00055 (J)	
11/9/2016							<0.0005		0.00083 (J)
11/10/2016		<0.0005							
1/9/2017	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
1/11/2017		<0.0005							
1/12/2017							0.00012 (J)		0.00076
1/13/2017								0.00057	
3/13/2017	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
3/14/2017		<0.0005							
3/16/2017								0.0004 (J)	
3/17/2017							0.00027 (J)		0.00088
5/15/2017	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
5/16/2017							0.00025 (J)		
5/17/2017								0.00029 (J)	0.00071
5/18/2017		<0.0005							
3/12/2018	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
3/13/2018							0.00018 (J)		
3/14/2018		<0.0005						0.00027 (J)	0.00055
6/5/2018	<0.0005		<0.0005	<0.0005					
6/6/2018					<0.0005	<0.0005			
6/8/2018							0.00018 (J)		0.00048 (J)
6/9/2018								0.00023 (J)	
6/10/2018		<0.0005							
10/16/2018	<0.0005		<0.0005	<0.0005					
10/17/2018					<0.0005	<0.0005			0.0003 (J)
10/18/2018		<0.0005							
11/13/2018							<0.0005		
11/14/2018								0.00015 (J)	
2/27/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
2/28/2019							0.0001 (J)		0.00024 (J)
3/5/2019								0.00016 (J)	
5/31/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
6/4/2019							<0.0005	0.00011 (J)	0.00017 (J)
11/6/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
11/12/2019							<0.0005	0.00012 (J)	0.00019 (J)
4/16/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
4/18/2020							5.8E-05 (J)		0.00023
4/22/2020								0.00015	
10/7/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
10/12/2020							0.00014 (J)	0.00025 (J)	0.00033 (J)

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 1/7/2021 5:43 PM View: Descriptive - 200 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
2/29/2016	20	20	<5	12					
3/1/2016					10	<5			
3/2/2016							7200	7200	32000 (o)
5/2/2016	<5		<5	6		36			
5/3/2016					<5		6400		13000
5/4/2016		6						4500	
7/5/2016	12		14	<5	<5	<5	7000		8700
7/6/2016								4900	
7/8/2016		6							
9/6/2016	36	36	30	38	36	44			
9/8/2016							6000	4400	11000 (Q)
11/7/2016	18		8	<5	<5	30			
11/8/2016								6200	
11/9/2016							3500		13000
11/10/2016		16							
1/9/2017	4 (J)		<5	14	<5	12			
1/11/2017		38							
1/12/2017							1500		12000
1/13/2017								4400	
3/13/2017	6		<5	8	22	20			
3/14/2017		<5							
3/16/2017								2800	
3/17/2017							2900		10000
5/15/2017	<5		<5	<5	6	4 (J)			
5/16/2017							3100		
5/17/2017								1100	8300
5/18/2017		10							
10/2/2017	<5		<5	6	16	24			
10/3/2017									7100
10/4/2017							3400	700	
10/5/2017		<5							
12/20/2017							1900 (R)	590 (R)	7000
3/12/2018	18		14	<5	<5	<5			
3/13/2018							1600		
3/14/2018		8						490	6300
6/5/2018	10		<5	14					
6/6/2018					20	16			
6/8/2018							2000		5200
6/9/2018								430	
6/10/2018		8							
10/16/2018	32		12	6					
10/17/2018					44	44			3800
10/18/2018		28							
11/13/2018							1400		
11/14/2018								230	
2/27/2019	110	68	54	110	20	28			
2/28/2019							1400		1700
3/5/2019								300	
5/31/2019	46	<5	8	26	32	18			
6/4/2019							1200	400	2300
11/6/2019	<5	10	4 (J)	<5	24	20			
11/12/2019							1000	670	1900

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 1/7/2021 5:43 PM View: Descriptive - 200 Series

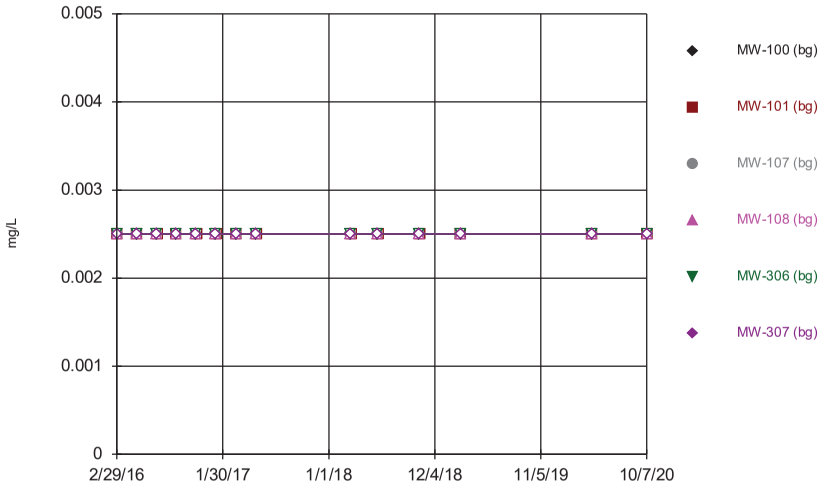
Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-200	MW-201	MW-206
4/16/2020	28	44	18	8	6	8			
4/18/2020							240		1700
4/22/2020								600	
10/7/2020	30	24	20	26	16	12			
10/12/2020							600	460	2200

300 Series

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

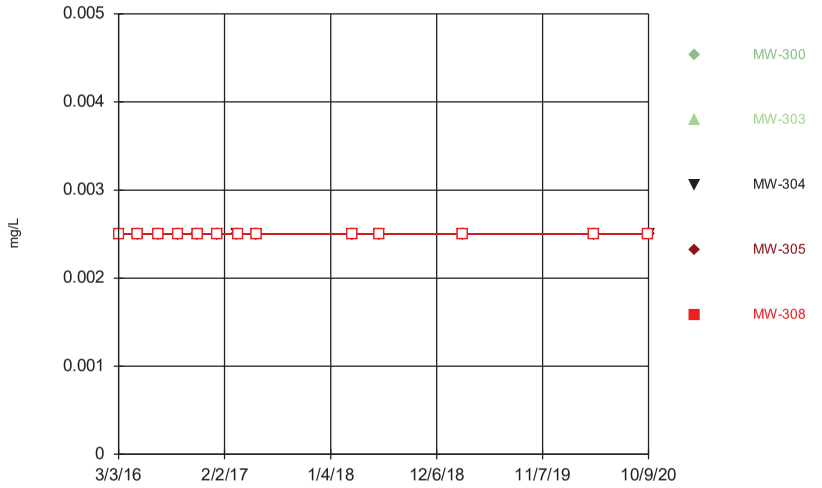
Time Series



Constituent: Antimony Analysis Run 1/7/2021 5:45 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

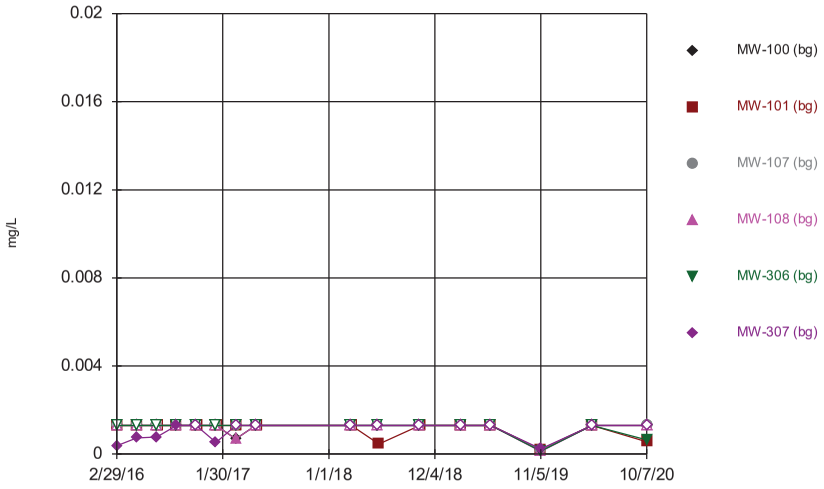
Time Series



Constituent: Antimony Analysis Run 1/7/2021 5:45 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

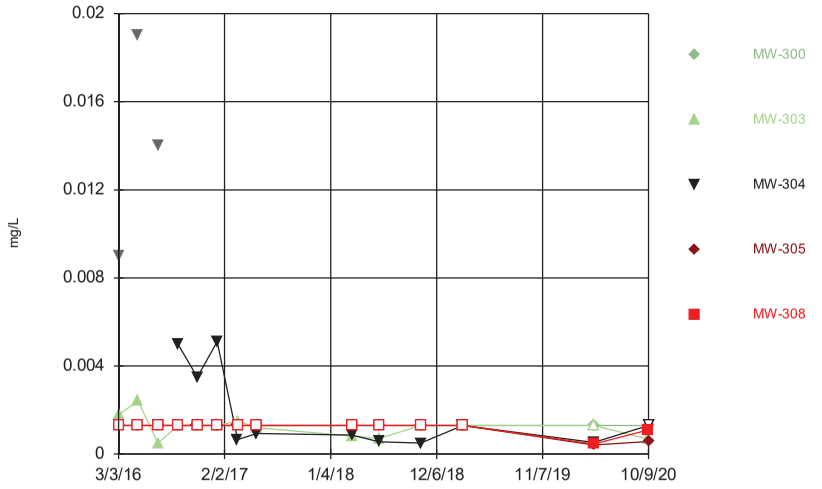
Time Series



Constituent: Arsenic Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

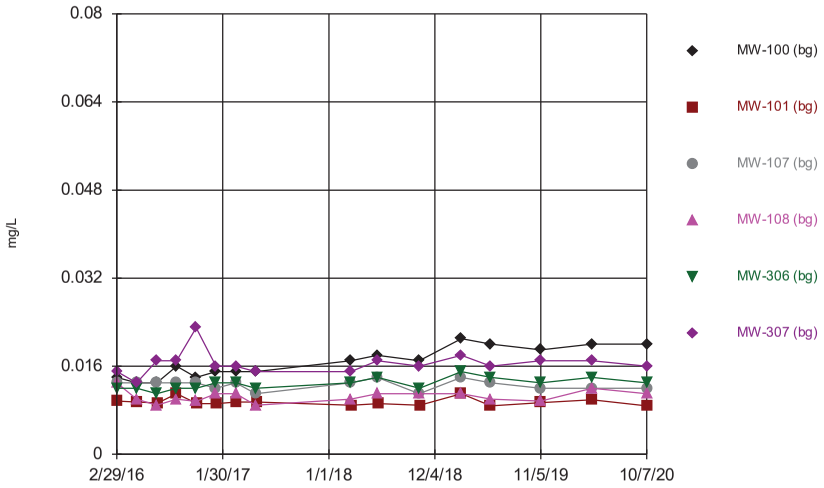
Time Series



Constituent: Arsenic Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

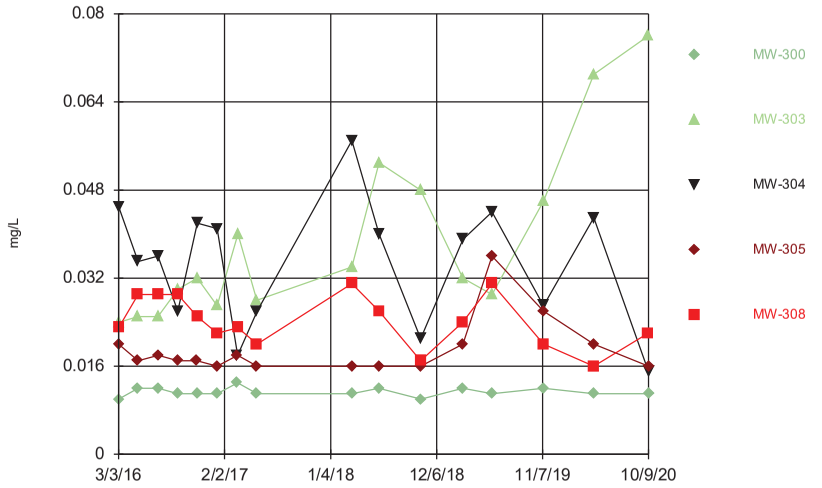
Time Series



Constituent: Barium Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

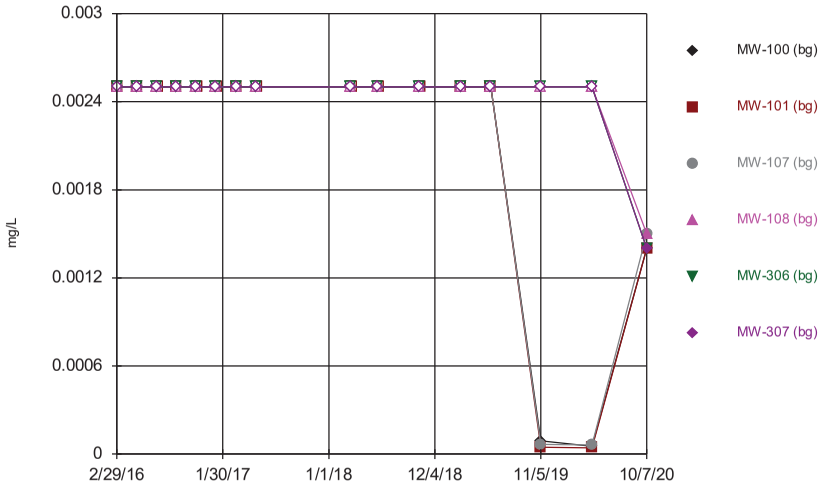
Time Series



Constituent: Barium Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

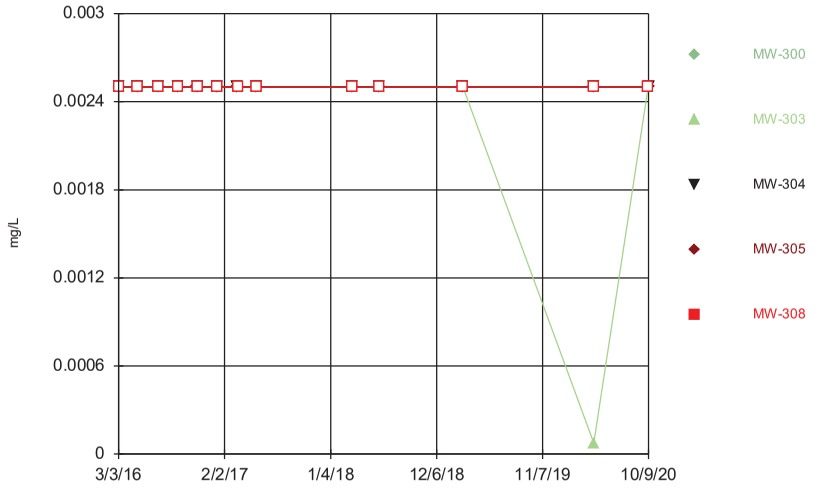
Time Series



Constituent: Beryllium Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

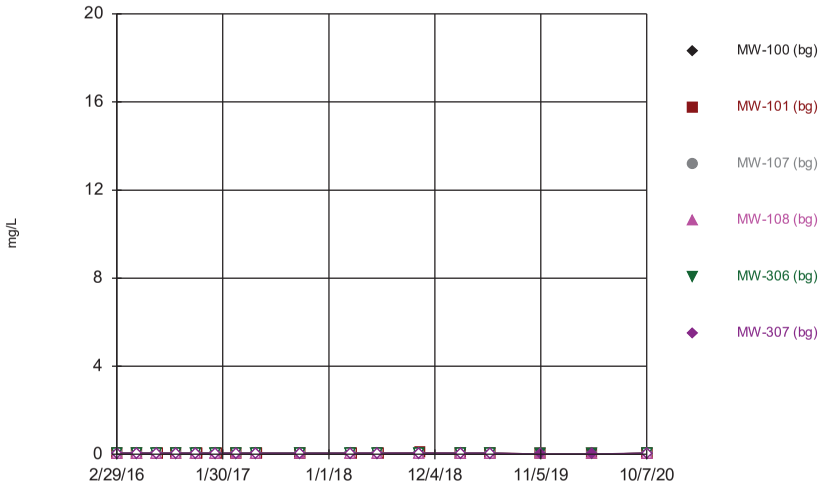
Time Series



Constituent: Beryllium Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

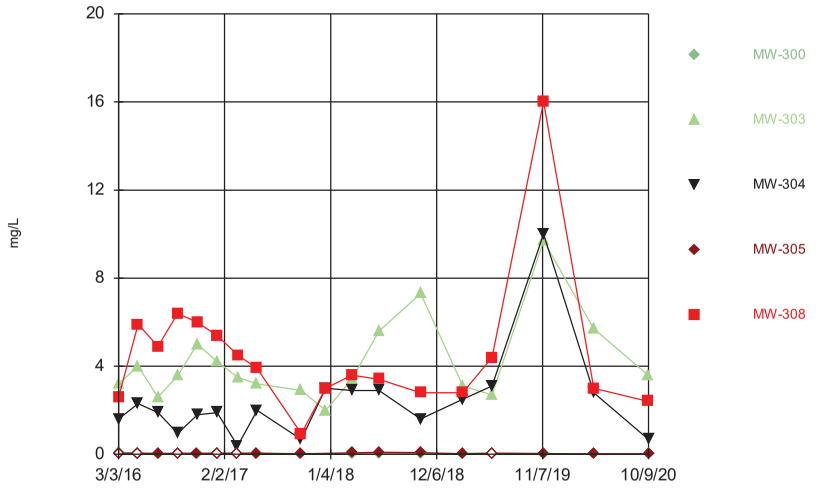
Time Series



Constituent: Boron Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

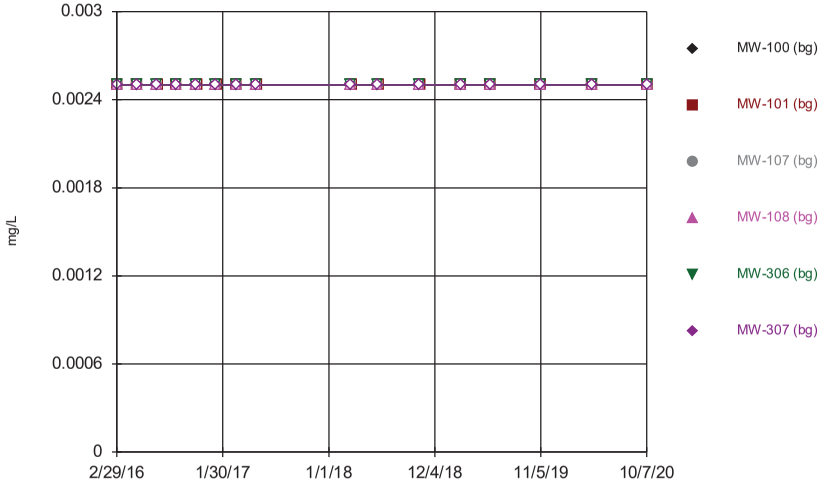
Time Series



Constituent: Boron Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

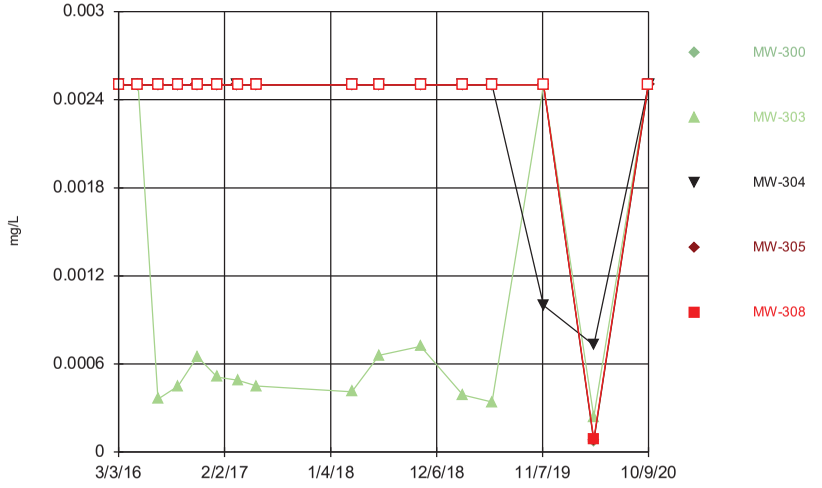
Time Series



Constituent: Cadmium Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

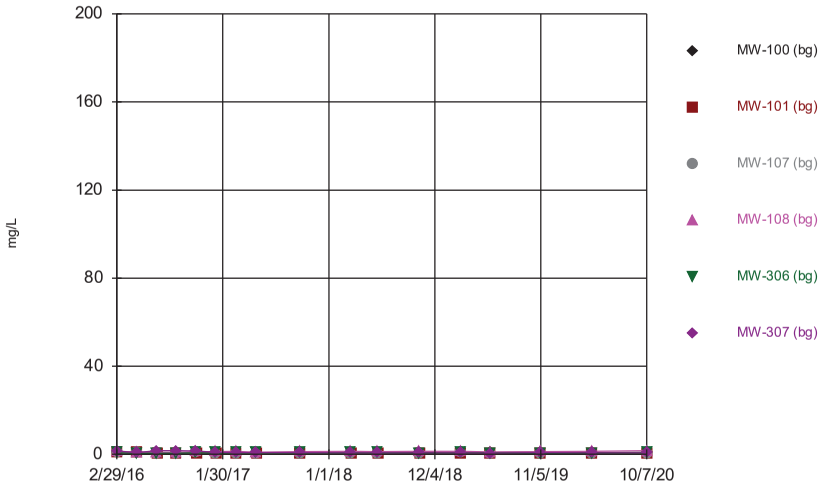
Time Series



Constituent: Cadmium Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

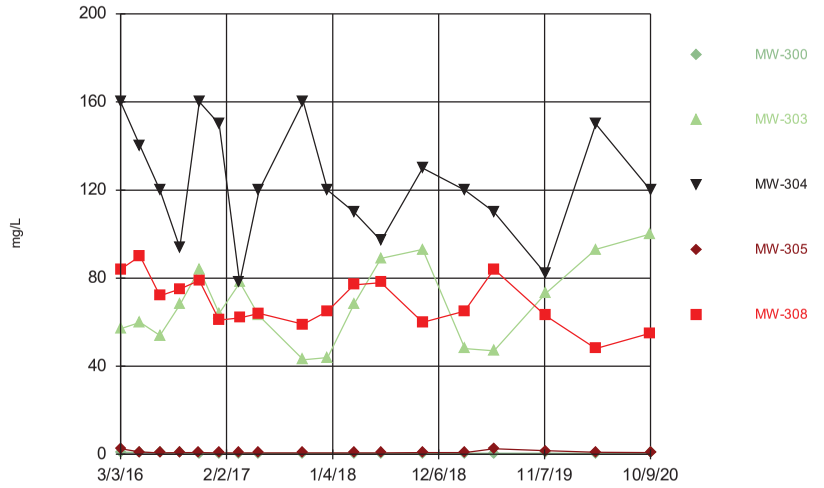
Time Series



Constituent: Calcium Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

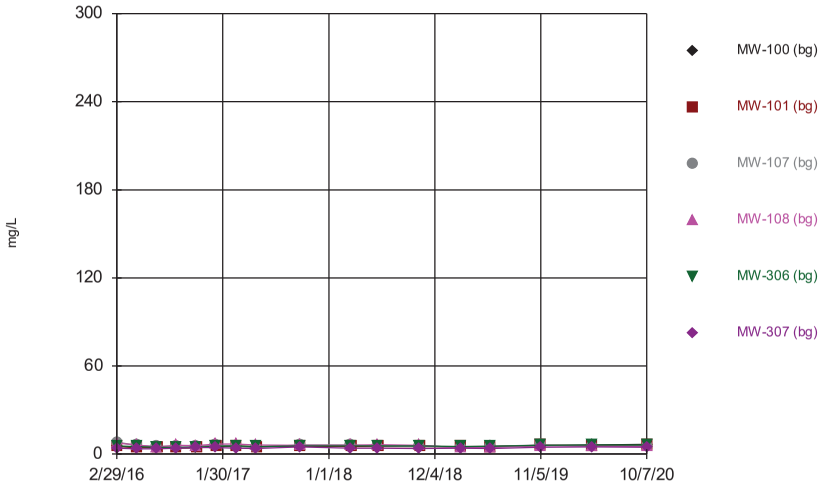
Time Series



Constituent: Calcium Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

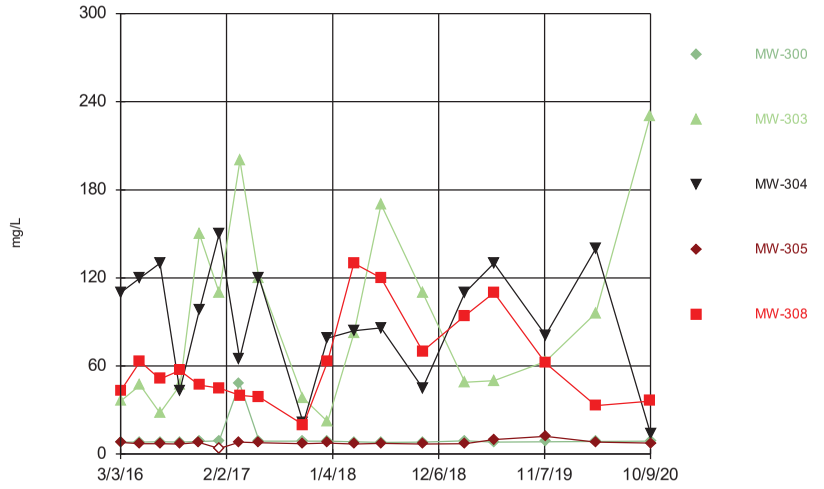
Time Series



Constituent: Chloride Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

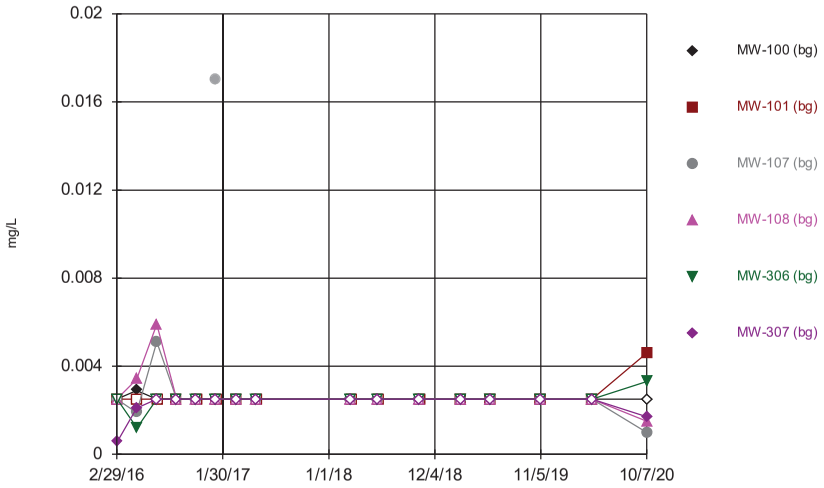
Time Series



Constituent: Chloride Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

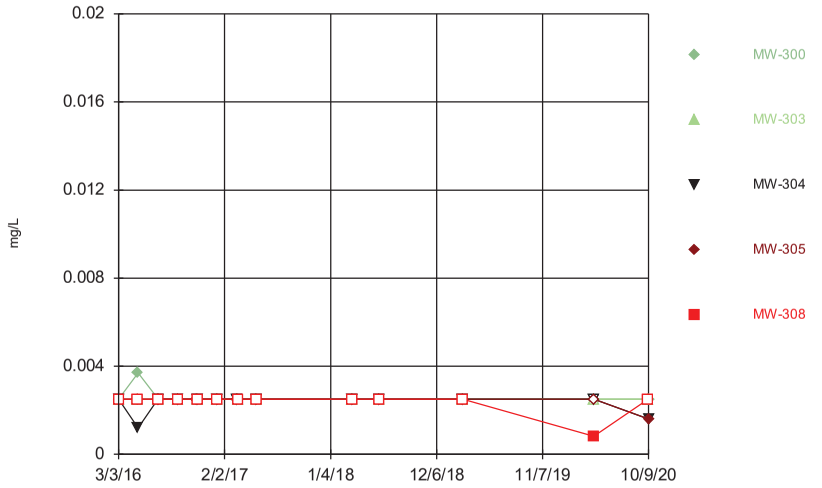
Time Series



Constituent: Chromium Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

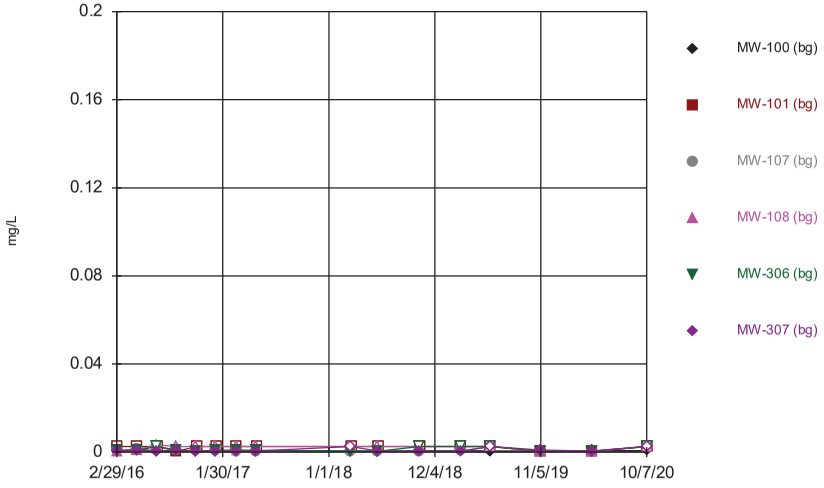
Time Series



Constituent: Chromium Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

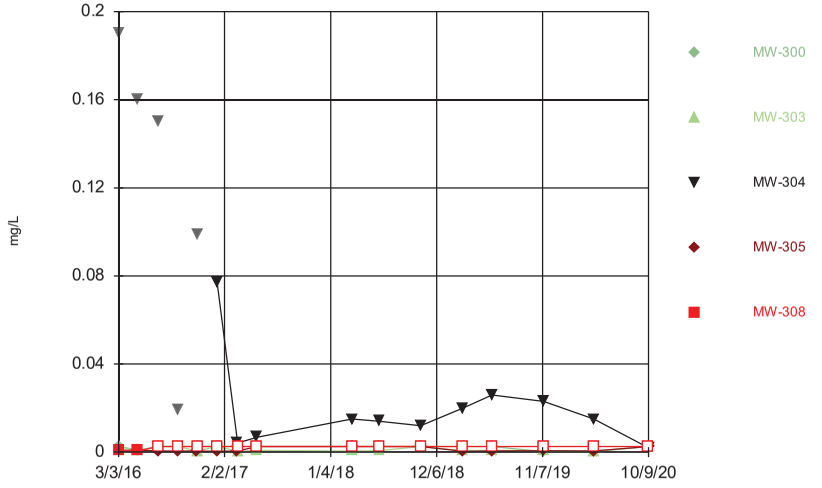
Time Series



Constituent: Cobalt Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

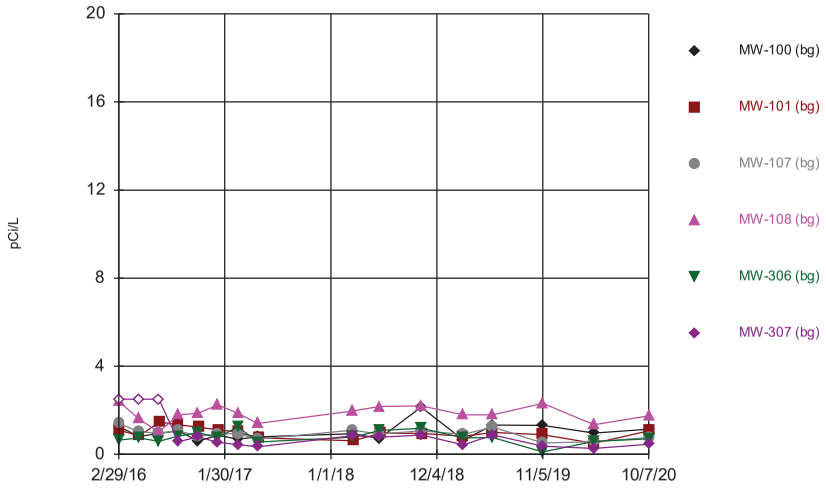
Time Series



Constituent: Cobalt Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

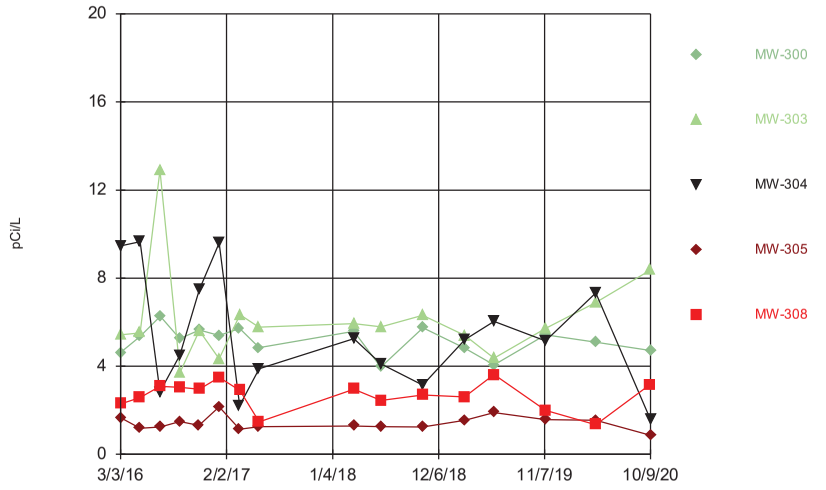
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

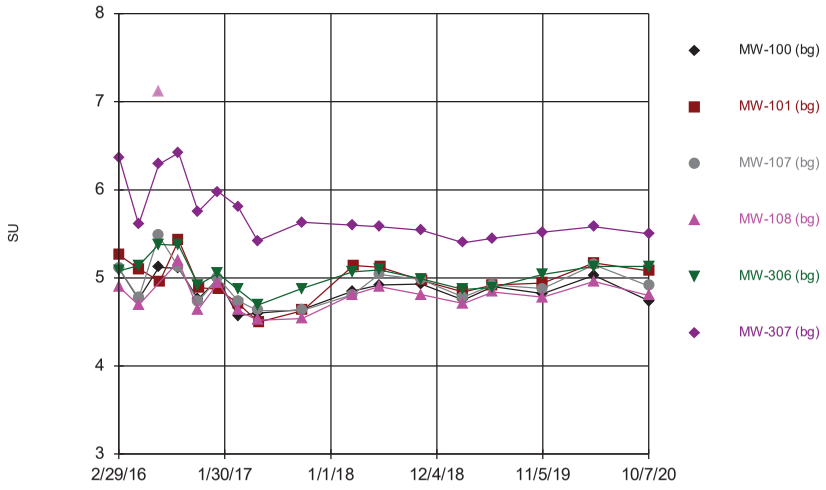
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

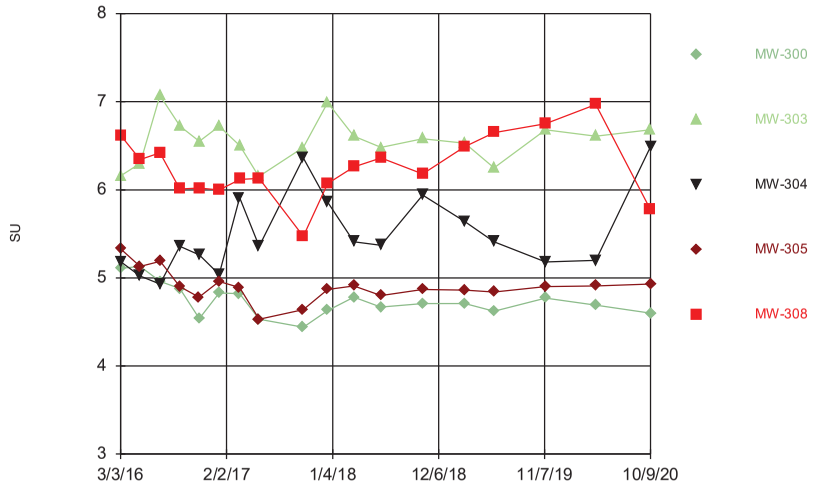
Time Series



Constituent: Field pH Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

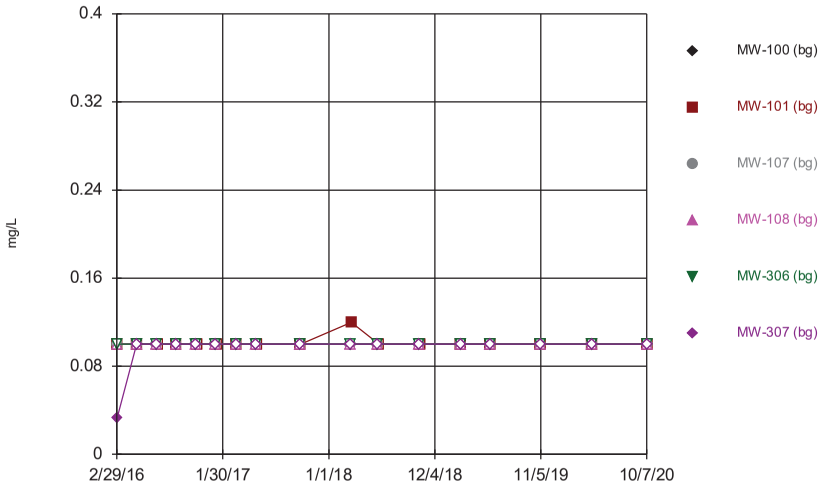
Time Series



Constituent: Field pH Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

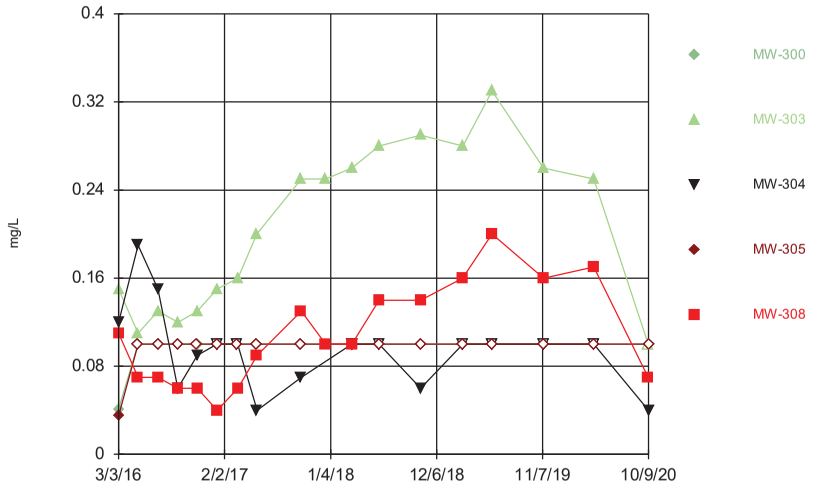
Time Series



Constituent: Fluoride Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

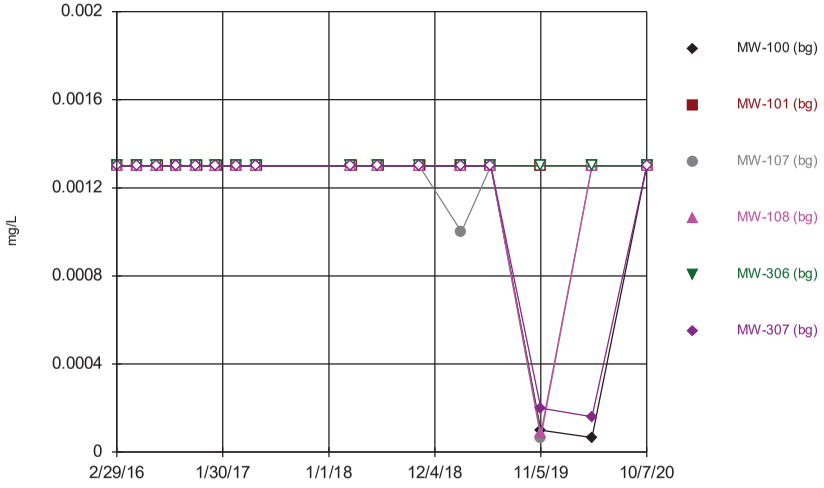
Time Series



Constituent: Fluoride Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

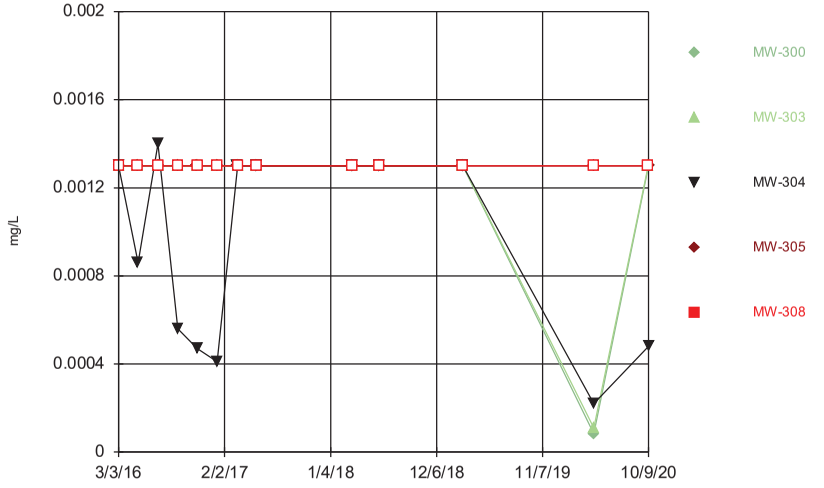
Time Series



Constituent: Lead Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

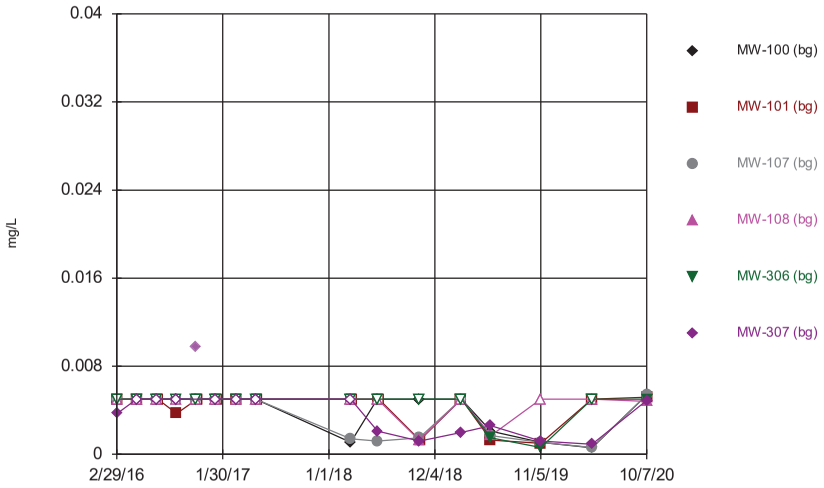
Time Series



Constituent: Lead Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

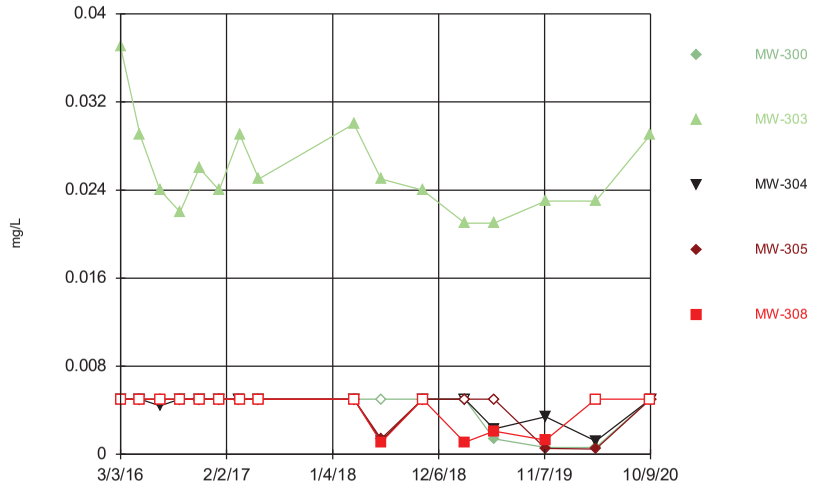
Time Series



Constituent: Lithium Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

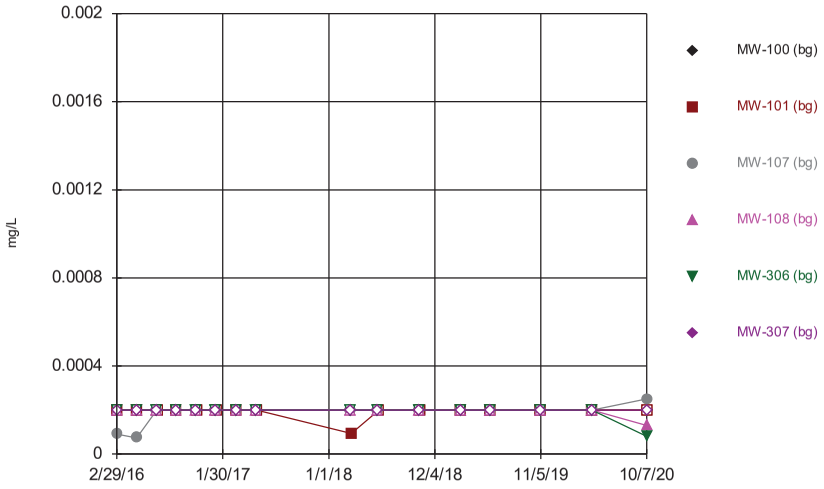
Time Series



Constituent: Lithium Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

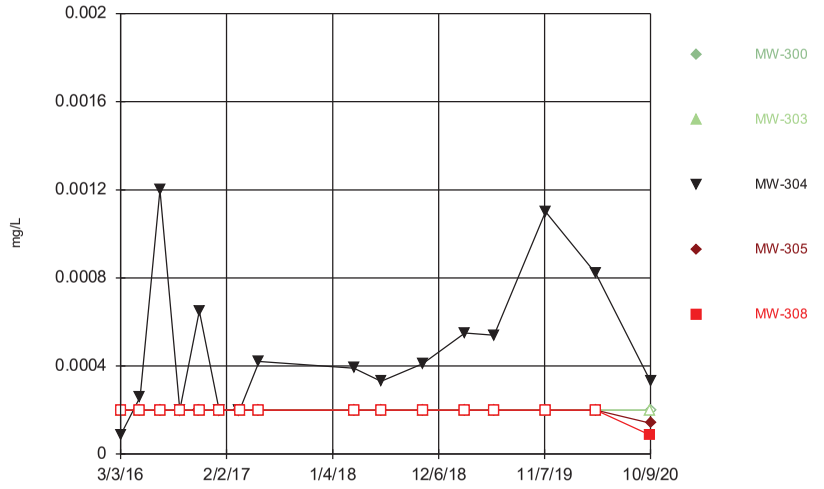
Time Series



Constituent: Mercury Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

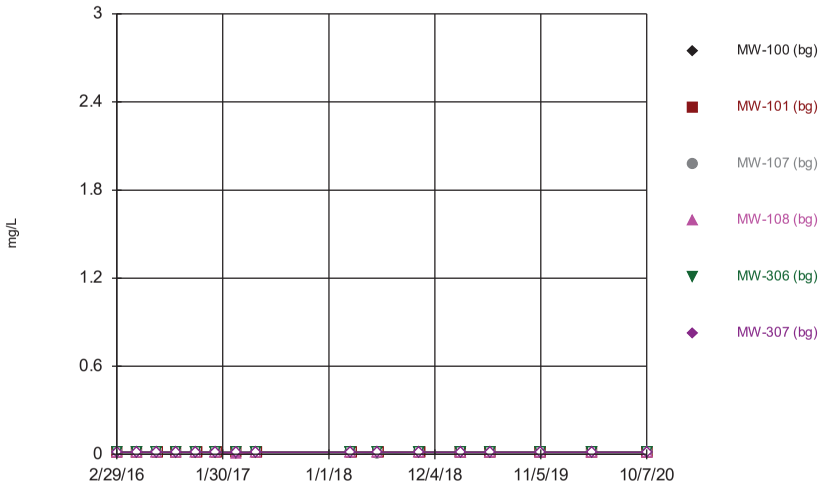
Time Series



Constituent: Mercury Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

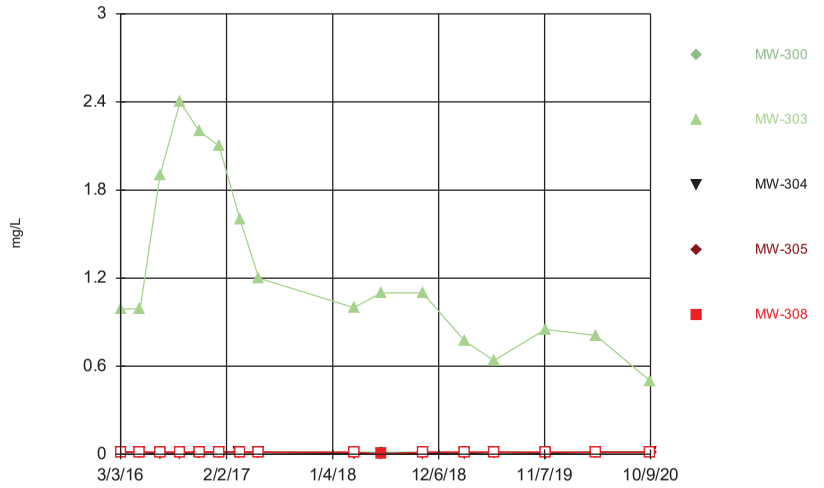
Time Series



Constituent: Molybdenum Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

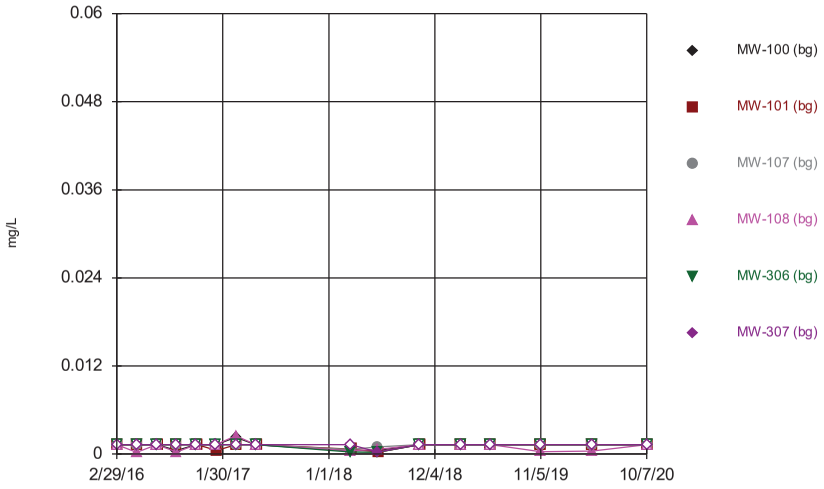
Time Series



Constituent: Molybdenum Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

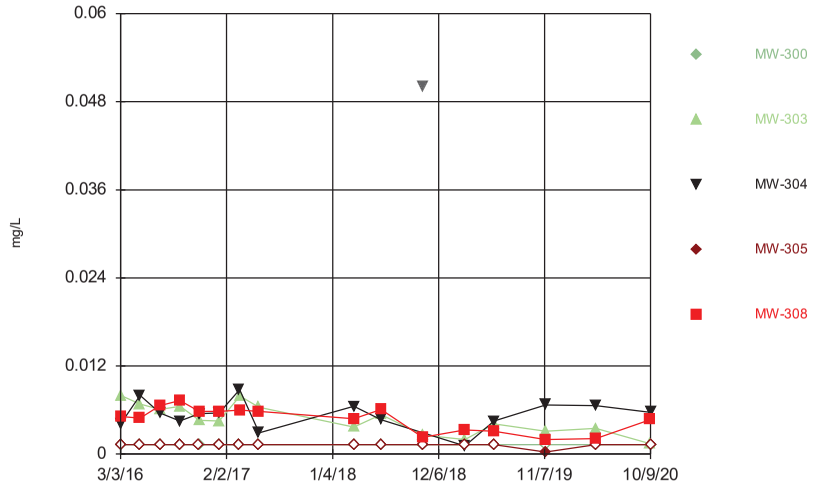
Time Series



Constituent: Selenium Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

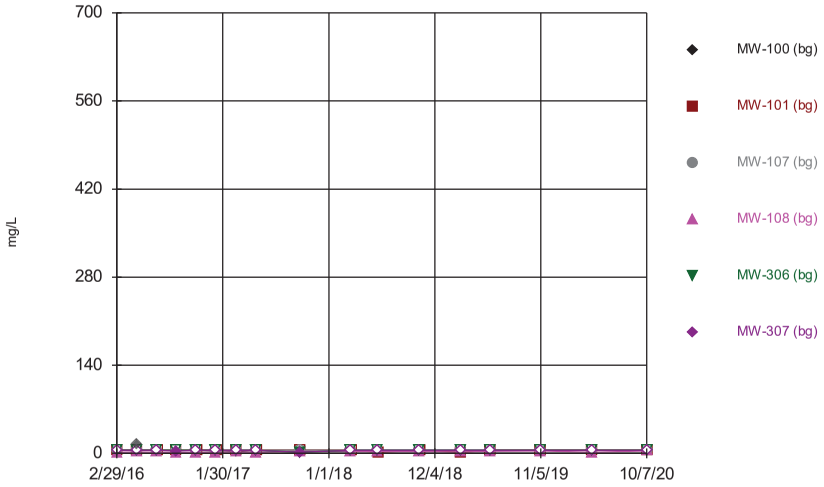
Time Series



Constituent: Selenium Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

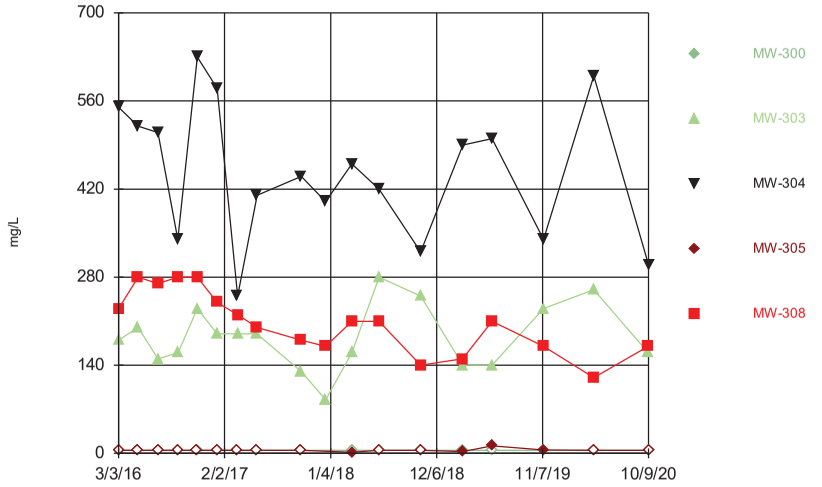
Time Series



Constituent: Sulfate Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

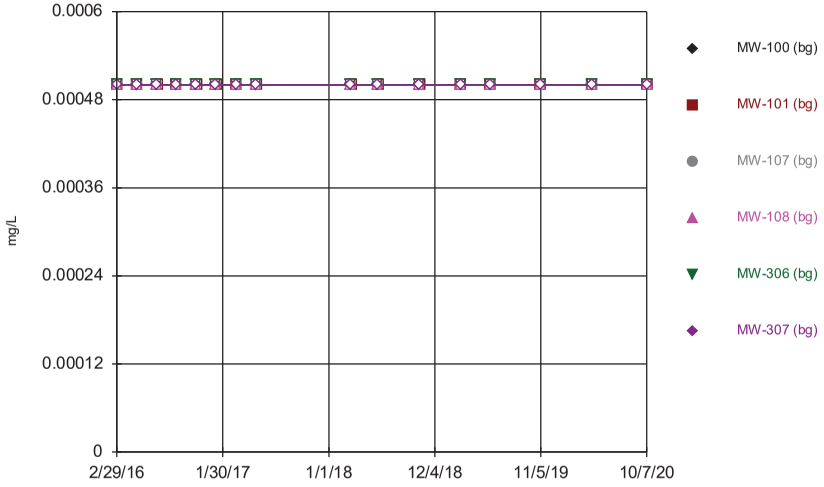
Time Series



Constituent: Sulfate Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

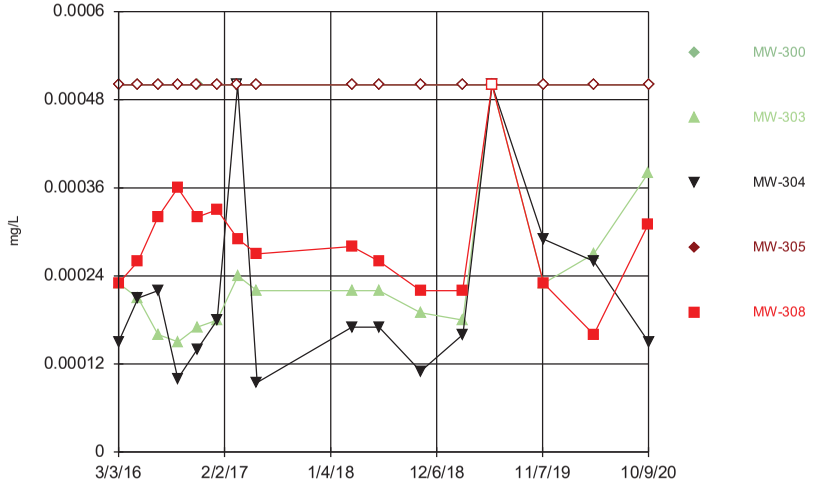
Time Series



Constituent: Thallium Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

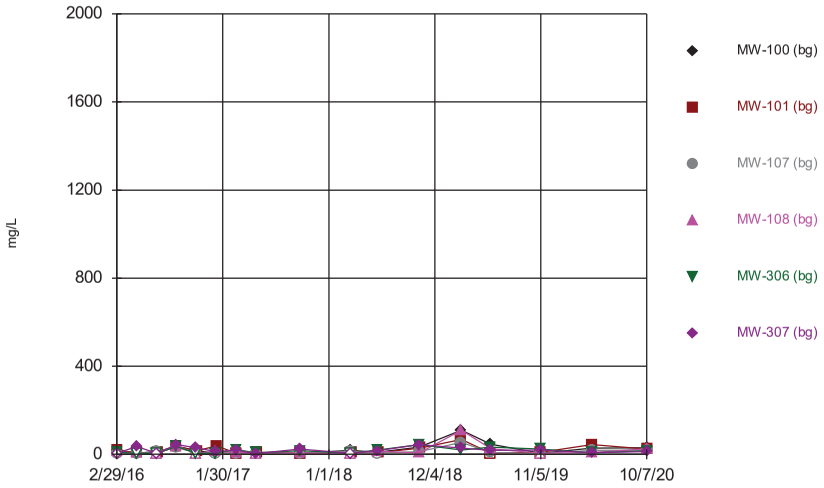
Time Series



Constituent: Thallium Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

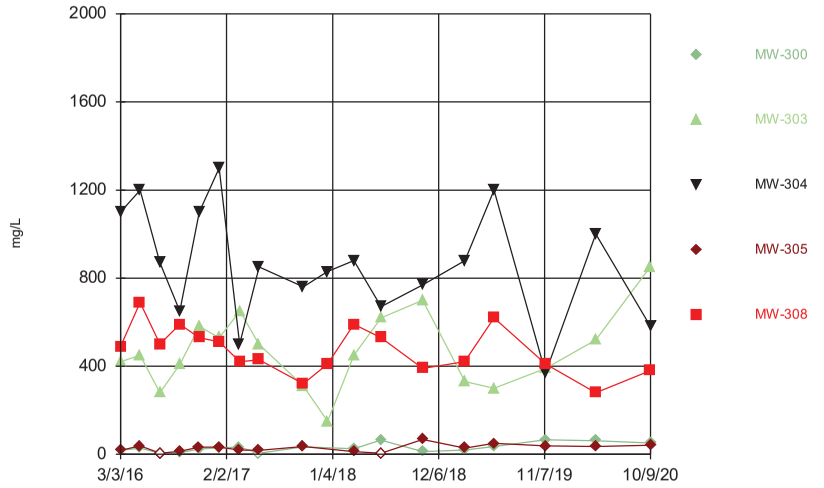
Time Series



Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:46 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/7/2021 5:47 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	<0.0025	<0.0025	<0.0025	<0.0025					
3/1/2016					<0.0025	<0.0025			
3/3/2016							<0.0025	<0.0025	<0.0025
5/2/2016	<0.0025		<0.0025	<0.0025		<0.0025			
5/3/2016					<0.0025				
5/4/2016		<0.0025					<0.0025	<0.0025	<0.0025
7/5/2016	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
7/6/2016								<0.0025	<0.0025
7/7/2016							<0.0025		
7/8/2016		<0.0025							
9/6/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
9/7/2016							<0.0025		<0.0025
9/8/2016								<0.0025	
11/7/2016	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
11/8/2016							<0.0025	<0.0025	<0.0025
11/10/2016		<0.0025							
1/9/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
1/10/2017							<0.0025	<0.0025	<0.0025
1/11/2017		<0.0025							
3/13/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
3/14/2017		<0.0025							
3/15/2017							<0.0025		<0.0025
3/16/2017								<0.0025	
5/15/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	
5/16/2017							<0.0025		<0.0025
5/18/2017		<0.0025							
3/12/2018	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
3/13/2018							<0.0025	<0.0025	<0.0025
3/14/2018		<0.0025							
6/5/2018	<0.0025		<0.0025	<0.0025					
6/6/2018					<0.0025	<0.0025	<0.0025		
6/7/2018								<0.0025	<0.0025
6/10/2018		<0.0025							
10/16/2018	<0.0025		<0.0025	<0.0025					
10/17/2018					<0.0025	<0.0025			
10/18/2018		<0.0025							
2/27/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
2/28/2019							<0.0025	<0.0025	<0.0025
4/16/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
4/18/2020							<0.0025	<0.0025	<0.0025
10/7/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
10/8/2020								<0.0025	
10/9/2020							<0.0025		<0.0025

Time Series

Constituent: Antimony (mg/L) Analysis Run 1/7/2021 5:47 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	<0.0025	<0.0025
5/4/2016	<0.0025	<0.0025
7/6/2016		<0.0025
7/7/2016	<0.0025	
9/7/2016	<0.0025	<0.0025
11/7/2016	<0.0025	
11/8/2016		<0.0025
1/10/2017	<0.0025	<0.0025
3/15/2017	<0.0025	
3/16/2017		<0.0025
5/16/2017	<0.0025	<0.0025
3/13/2018	<0.0025	<0.0025
6/7/2018	<0.0025	<0.0025
2/27/2019		<0.0025
2/28/2019	<0.0025	
4/18/2020	<0.0025	<0.0025
10/8/2020		<0.0025
10/9/2020	<0.0025	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/7/2021 5:47 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	<0.0013	<0.0013	<0.0013	<0.0013					
3/1/2016					<0.0013	0.00038 (J)			
3/3/2016							<0.0013	0.0018 (J)	0.009 (o)
5/2/2016	<0.0013		<0.0013	<0.0013		0.00073 (J)			
5/3/2016					<0.0013				
5/4/2016		<0.0013					<0.0013	0.0024	0.019 (o)
7/5/2016	<0.0013		<0.0013	<0.0013	<0.0013	0.00077 (J)			
7/6/2016								0.0005 (J)	0.014 (o)
7/7/2016							<0.0013		
7/8/2016		<0.0013							
9/6/2016	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0013			
9/7/2016							<0.0013		0.005
9/8/2016								<0.0013	
11/7/2016	<0.0013		<0.0013	<0.0013	<0.0013	<0.0013			
11/8/2016							<0.0013	<0.0013	0.0035
11/10/2016		<0.0013							
1/9/2017	<0.0013		<0.0013	<0.0013	<0.0013	0.00053 (J)			
1/10/2017							<0.0013	<0.0013	0.0051
1/11/2017		<0.0013							
3/13/2017	0.00069 (J)		<0.0013	0.00069 (J)	<0.0013	<0.0013			
3/14/2017		<0.0013							
3/15/2017							<0.0013		0.00066 (J)
3/16/2017								0.0015	
5/15/2017	<0.0013		<0.0013	<0.0013	<0.0013	<0.0013		0.0012 (J)	
5/16/2017							<0.0013		0.00094 (J)
5/18/2017		<0.0013							
3/12/2018	<0.0013		<0.0013	<0.0013	<0.0013	<0.0013			
3/13/2018							<0.0013	0.00082 (J)	0.00086 (J)
3/14/2018		<0.0013							
6/5/2018	<0.0013		<0.0013	<0.0013					
6/6/2018					<0.0013	<0.0013	<0.0013		
6/7/2018								0.0007 (J)	0.00056 (J)
6/10/2018		0.00046 (J)							
10/16/2018	<0.0013		<0.0013	<0.0013					
10/17/2018					<0.0013	<0.0013		<0.0013	0.0005 (J)
10/18/2018		<0.0013					<0.0013		
2/27/2019	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013			
2/28/2019							<0.0013	<0.0013	<0.0013
5/31/2019	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013			
11/6/2019	0.0002 (J)	0.00019 (J)	0.0002 (J)	0.00012 (J)	0.00014 (J)	0.00024 (J)			
4/16/2020	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013			
4/18/2020							<0.0013	<0.0013	0.00053
10/7/2020	<0.0013	0.00056 (J)	<0.0013	<0.0013	0.00064 (J)	<0.0013			
10/8/2020								0.00069 (J)	
10/9/2020							<0.0013		<0.0013

Time Series

Constituent: Arsenic (mg/L) Analysis Run 1/7/2021 5:47 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	<0.0013	<0.0013
5/4/2016	<0.0013	<0.0013
7/6/2016		<0.0013
7/7/2016	<0.0013	
9/7/2016	<0.0013	<0.0013
11/7/2016	<0.0013	
11/8/2016		<0.0013
1/10/2017	<0.0013	<0.0013
3/15/2017	<0.0013	
3/16/2017		<0.0013
5/16/2017	<0.0013	<0.0013
3/13/2018	<0.0013	<0.0013
6/7/2018	<0.0013	<0.0013
10/17/2018	<0.0013	<0.0013
2/27/2019		<0.0013
2/28/2019	<0.0013	
4/18/2020	0.00042	0.00046
10/8/2020		0.0011 (J)
10/9/2020	0.00057 (J)	

Time Series

Constituent: Barium (mg/L) Analysis Run 1/7/2021 5:47 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	0.014	0.0097 (J)	0.013	0.013					
3/1/2016					0.012	0.015			
3/3/2016							0.01 (J)	0.024	0.045
5/2/2016	0.013		0.013	0.01		0.013			
5/3/2016					0.012				
5/4/2016		0.0095					0.012	0.025	0.035
7/5/2016	0.013		0.013	0.0089	0.011	0.017			
7/6/2016								0.025	0.036
7/7/2016							0.012		
7/8/2016		0.0093							
9/6/2016	0.016	0.011	0.013	0.01	0.012	0.017			
9/7/2016							0.011		0.026
9/8/2016								0.03	
11/7/2016	0.014		0.013	0.0096	0.012	0.023			
11/8/2016							0.011	0.032	0.042
11/10/2016		0.0092							
1/9/2017	0.015		0.012	0.011	0.013	0.016			
1/10/2017							0.011	0.027	0.041
1/11/2017		0.0092							
3/13/2017	0.015		0.013	0.011	0.013	0.016			
3/14/2017		0.0095							
3/15/2017							0.013		0.018
3/16/2017								0.04	
5/15/2017	0.015		0.011	0.0089	0.012	0.015		0.028	
5/16/2017							0.011		0.026
5/18/2017		0.0095							
3/12/2018	0.017		0.013	0.01	0.013	0.015			
3/13/2018							0.011	0.034	0.057
3/14/2018		0.0089							
6/5/2018	0.018		0.014	0.011					
6/6/2018					0.014	0.017	0.012		
6/7/2018								0.053	0.04
6/10/2018		0.0092							
10/16/2018	0.017		0.011	0.011					
10/17/2018					0.012	0.016		0.048	0.021
10/18/2018		0.0089					0.01		
2/27/2019	0.021	0.011	0.014	0.011	0.015	0.018			
2/28/2019							0.012	0.032	0.039
5/31/2019	0.02	0.0088	0.013	0.01	0.014	0.016	0.011	0.029	0.044
11/6/2019	0.019	0.0094	0.012	0.0097	0.013	0.017			
11/11/2019							0.012	0.046	0.027
4/16/2020	0.02	0.0099	0.012	0.012	0.014	0.017			
4/18/2020							0.011	0.069	0.043
10/7/2020	0.02	0.0088	0.012	0.011	0.013	0.016			
10/8/2020								0.076	
10/9/2020							0.011		0.015

Time Series

Constituent: Barium (mg/L) Analysis Run 1/7/2021 5:47 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	0.02	0.023
5/4/2016	0.017	0.029
7/6/2016		0.029
7/7/2016	0.018	
9/7/2016	0.017	0.029
11/7/2016	0.017	
11/8/2016		0.025
1/10/2017	0.016	0.022
3/15/2017	0.018	
3/16/2017		0.023
5/16/2017	0.016	0.02
3/13/2018	0.016	0.031
6/7/2018	0.016	0.026
10/17/2018	0.016	0.017
2/27/2019		0.024
2/28/2019	0.02	
5/31/2019	0.036	0.031
11/11/2019	0.026	0.02
4/18/2020	0.02	0.016
10/8/2020		0.022
10/9/2020	0.016	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	<0.0025	<0.0025	<0.0025	<0.0025					
3/1/2016					<0.0025	<0.0025			
3/3/2016							<0.0025	<0.0025	<0.0025
5/2/2016	<0.0025		<0.0025	<0.0025		<0.0025			
5/3/2016					<0.0025				
5/4/2016		<0.0025					<0.0025	<0.0025	<0.0025
7/5/2016	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
7/6/2016								<0.0025	<0.0025
7/7/2016							<0.0025		
7/8/2016		<0.0025							
9/6/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
9/7/2016							<0.0025		<0.0025
9/8/2016								<0.0025	
11/7/2016	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
11/8/2016							<0.0025	<0.0025	<0.0025
11/10/2016		<0.0025							
1/9/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
1/10/2017							<0.0025	<0.0025	<0.0025
1/11/2017		<0.0025							
3/13/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
3/14/2017		<0.0025							
3/15/2017							<0.0025		<0.0025
3/16/2017								<0.0025	
5/15/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	
5/16/2017							<0.0025		<0.0025
5/18/2017		<0.0025							
3/12/2018	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
3/13/2018							<0.0025	<0.0025	<0.0025
3/14/2018		<0.0025							
6/5/2018	<0.0025		<0.0025	<0.0025					
6/6/2018					<0.0025	<0.0025	<0.0025		
6/7/2018								<0.0025	<0.0025
6/10/2018		<0.0025							
10/16/2018	<0.0025		<0.0025	<0.0025					
10/17/2018					<0.0025	<0.0025			
10/18/2018		<0.0025							
2/27/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
2/28/2019							<0.0025	<0.0025	<0.0025
5/31/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
11/6/2019	9E-05 (J)	4.7E-05 (J)	6.6E-05 (J)	<0.0025	<0.0025	<0.0025			
4/16/2020	5.4E-05 (J)	4.3E-05 (J)	6.1E-05 (J)	<0.0025	<0.0025	<0.0025			
4/18/2020							<0.0025	7.4E-05 (J)	<0.0025
10/7/2020	0.0014 (J)	0.0014 (J)	0.0015 (J)	0.0015 (J)	0.0014 (J)	0.0014 (J)			
10/8/2020								<0.0025	
10/9/2020							<0.0025		<0.0025

Time Series

Constituent: Beryllium (mg/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	<0.0025	<0.0025
5/4/2016	<0.0025	<0.0025
7/6/2016		<0.0025
7/7/2016	<0.0025	
9/7/2016	<0.0025	<0.0025
11/7/2016	<0.0025	
11/8/2016		<0.0025
1/10/2017	<0.0025	<0.0025
3/15/2017	<0.0025	
3/16/2017		<0.0025
5/16/2017	<0.0025	<0.0025
3/13/2018	<0.0025	<0.0025
6/7/2018	<0.0025	<0.0025
2/27/2019		<0.0025
2/28/2019	<0.0025	
4/18/2020	<0.0025	<0.0025
10/8/2020		<0.0025
10/9/2020	<0.0025	

Time Series

Constituent: Boron (mg/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	<0.05	<0.05	<0.05	<0.05					
3/1/2016					<0.05	<0.05			
3/3/2016							0.11 (J)	3.2	1.6
5/2/2016	<0.05		<0.05	<0.05		<0.05			
5/3/2016					<0.05				
5/4/2016		<0.05					<0.05	4	2.3
7/5/2016	<0.05		<0.05	<0.05	<0.05	<0.05			
7/6/2016								2.6	1.9
7/7/2016							<0.05		
7/8/2016		<0.05							
9/6/2016	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
9/7/2016							0.028 (J)		0.95
9/8/2016								3.6	
11/7/2016	<0.05		<0.05	<0.05	<0.05	<0.05			
11/8/2016							0.025 (J)	5	1.8
11/10/2016		<0.05							
1/9/2017	<0.05		<0.05	<0.05	<0.05	<0.05			
1/10/2017							<0.05 (*)	4.2	1.9
1/11/2017		<0.05							
3/13/2017	<0.05		<0.05	0.022 (J)	<0.05	<0.05			
3/14/2017		<0.05							
3/15/2017							<0.05		0.38
3/16/2017								3.5	
5/15/2017	<0.05		<0.05	<0.05	<0.05	<0.05		3.2	
5/16/2017							<0.05		2
5/18/2017		<0.05							
10/2/2017	<0.05		<0.05	0.023 (J)	<0.05	<0.05			
10/3/2017							0.03 (J)	2.9	0.67
10/5/2017		<0.05							
12/20/2017								2	3
3/12/2018	<0.05		<0.05	<0.05	<0.05	<0.05			
3/13/2018							<0.05	3.4	2.9
3/14/2018		<0.05							
6/5/2018	<0.05		<0.05	<0.05					
6/6/2018					<0.05	<0.05	0.024 (J)		
6/7/2018								5.6	2.9
6/10/2018		<0.05							
10/16/2018	<0.05		<0.05	<0.05					
10/17/2018					<0.05	<0.05		7.3	1.6
10/18/2018		0.081					0.022 (J)		
2/27/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
2/28/2019							<0.05	3.1	2.5
5/31/2019	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	2.7	3.1
11/6/2019	0.017 (V)	0.016 (V)	0.016 (V)	0.022 (V)	0.011 (V)	0.0099 (J)			
11/11/2019							0.035 (V)	9.7	10
4/16/2020	0.02	0.013	0.013	0.017	0.0075 (J)	0.0055 (J)			
4/18/2020							0.027	5.7	2.8
10/7/2020	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
10/8/2020								3.6	
10/9/2020							0.025 (J)		0.68

Time Series

Constituent: Boron (mg/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	<0.05	2.6
5/4/2016	<0.05 (*)	5.9
7/6/2016		4.9
7/7/2016	0.034 (J)	
9/7/2016	<0.05	6.4
11/7/2016	0.045 (J)	
11/8/2016		6
1/10/2017	<0.05 (*)	5.4
3/15/2017	<0.05	
3/16/2017		4.5
5/16/2017	0.043 (J)	3.9
10/3/2017	0.026 (J)	0.93
12/20/2017		3
3/13/2018	0.07	3.6
6/7/2018	0.1	3.4
10/17/2018	0.074	2.8
2/27/2019		2.8
2/28/2019	0.027 (J)	
5/31/2019	<0.05	4.4
11/11/2019	0.036 (V)	16
4/18/2020	0.016	3
10/8/2020		2.4
10/9/2020	0.018 (J)	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	<0.0025	<0.0025	<0.0025	<0.0025					
3/1/2016					<0.0025	<0.0025			
3/3/2016							<0.0025	<0.0025	<0.0025
5/2/2016	<0.0025		<0.0025	<0.0025		<0.0025			
5/3/2016					<0.0025				
5/4/2016		<0.0025					<0.0025	<0.0025	<0.0025
7/5/2016	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
7/6/2016								0.00036 (J)	<0.0025
7/7/2016							<0.0025		
7/8/2016		<0.0025							
9/6/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
9/7/2016							<0.0025		<0.0025
9/8/2016								0.00045 (J)	
11/7/2016	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
11/8/2016							<0.0025	0.00065 (J)	<0.0025
11/10/2016		<0.0025							
1/9/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
1/10/2017							<0.0025	0.00051 (J)	<0.0025
1/11/2017		<0.0025							
3/13/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
3/14/2017		<0.0025							
3/15/2017							<0.0025		<0.0025
3/16/2017								0.00049 (J)	
5/15/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025		0.00045 (J)	
5/16/2017							<0.0025		<0.0025
5/18/2017		<0.0025							
3/12/2018	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
3/13/2018							<0.0025	0.00041 (J)	<0.0025
3/14/2018		<0.0025							
6/5/2018	<0.0025		<0.0025	<0.0025					
6/6/2018					<0.0025	<0.0025	<0.0025		
6/7/2018								0.00066 (J)	<0.0025
6/10/2018		<0.0025							
10/16/2018	<0.0025		<0.0025	<0.0025					
10/17/2018					<0.0025	<0.0025		0.00072 (J)	<0.0025
10/18/2018		<0.0025					<0.0025		
2/27/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
2/28/2019							<0.0025	0.00039 (J)	<0.0025
5/31/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.00034 (J)	<0.0025
11/6/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
11/11/2019							<0.0025	<0.0025	0.001 (J)
4/16/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
4/18/2020							7.5E-05 (J)	0.00024 (J)	0.00073
10/7/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
10/8/2020								<0.0025	
10/9/2020							<0.0025		<0.0025

Time Series

Constituent: Cadmium (mg/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	<0.0025	<0.0025
5/4/2016	<0.0025	<0.0025
7/6/2016		<0.0025
7/7/2016	<0.0025	
9/7/2016	<0.0025	<0.0025
11/7/2016	<0.0025	
11/8/2016		<0.0025
1/10/2017	<0.0025	<0.0025
3/15/2017	<0.0025	
3/16/2017		<0.0025
5/16/2017	<0.0025	<0.0025
3/13/2018	<0.0025	<0.0025
6/7/2018	<0.0025	<0.0025
10/17/2018	<0.0025	<0.0025
2/27/2019		<0.0025
2/28/2019	<0.0025	
5/31/2019	<0.0025	<0.0025
11/11/2019	<0.0025	<0.0025
4/18/2020	7.6E-05 (J)	8.9E-05 (J)
10/8/2020		<0.0025
10/9/2020	<0.0025	

Time Series

Constituent: Calcium (mg/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	1	1 (J)	0.67	1.4					
3/1/2016					0.6	1.5			
3/3/2016							1 (J)	57	160
5/2/2016	0.78		0.58	1.1		0.83			
5/3/2016					0.55				
5/4/2016		0.62					1	60	140
7/5/2016	0.65		0.43	0.94	0.53	1.6			
7/6/2016								54	120
7/7/2016							0.62		
7/8/2016		0.4							
9/6/2016	0.7	0.45	0.48	1	0.5	1.6			
9/7/2016							0.6		94
9/8/2016								68	
11/7/2016	0.8		0.56	1.2	0.68	1.5			
11/8/2016							0.53	84	160
11/10/2016		0.44							
1/9/2017	0.74		0.43	1.2	0.56	0.98			
1/10/2017							0.51	64	150
1/11/2017		0.42							
3/13/2017	0.78		0.48	1.3	0.62	0.75			
3/14/2017		0.42							
3/15/2017							0.53		78
3/16/2017								78	
5/15/2017	0.76		0.37	1	0.58	0.83		63	
5/16/2017							0.48		120
5/18/2017		0.38							
10/2/2017	0.78		0.47	1.2	0.62	0.83			
10/3/2017							0.46	43	160
10/5/2017		0.39							
12/20/2017								44	120
3/12/2018	0.88		0.49	1.4	0.59	0.71			
3/13/2018							0.46	68	110
3/14/2018		0.49							
6/5/2018	0.9		0.49	1.2					
6/6/2018					0.59	0.68	0.45		
6/7/2018								89	97
6/10/2018		0.39							
10/16/2018	0.86		0.42	1.4					
10/17/2018					0.54	0.66		93	130
10/18/2018		0.41					0.48		
2/27/2019	0.96	0.44	0.56	1.3	0.63	0.7			
2/28/2019							0.44	48	120
5/31/2019	0.76	0.28	0.33	1.1	0.45	0.52	0.55	47	110
11/6/2019	0.88	0.46	0.49	1.2	0.55	0.74			
11/11/2019							0.56 (V)	73	82
4/16/2020	0.84	0.38	0.36	1.3	0.53	0.59			
4/18/2020							0.48	93	150
10/7/2020	0.93	0.47	0.43	1.6	0.63	0.67			
10/8/2020								100	
10/9/2020							0.58		120

Time Series

Constituent: Calcium (mg/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	2.5	84
5/4/2016	1.1	90
7/6/2016		72
7/7/2016	0.71	
9/7/2016	0.78	75
11/7/2016	0.82	
11/8/2016		79
1/10/2017	0.58	61
3/15/2017	0.69	
3/16/2017		62
5/16/2017	0.66	64
10/3/2017	0.68	59
12/20/2017		65
3/13/2018	0.65	77
6/7/2018	0.6	78
10/17/2018	0.73	60
2/27/2019		65
2/28/2019	0.84	
5/31/2019	2.6	84
11/11/2019	1.6 (V)	63
4/18/2020	0.9	48
10/8/2020		55
10/9/2020	0.76	

Time Series

Constituent: Chloride (mg/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	5.3	5.4	8.1	7.4					
3/1/2016					5.6	4			
3/3/2016							8.2	36	110
5/2/2016	4.4		6	6.3		3.6			
5/3/2016					5.1				
5/4/2016		4.5					8.2	47	120
7/5/2016	4.2		5.2	4.8	4.7	3.6			
7/6/2016								28	130
7/7/2016							8.3		
7/8/2016		4.9							
9/6/2016	4.3	4.3	5.5	6	4.4	4			
9/7/2016							8.1		43
9/8/2016								47	
11/7/2016	4.2		5.4	5.7	4.6	4.4			
11/8/2016							8.5	150	98
11/10/2016		4.5							
1/9/2017	5.3		6.1	6.8	5.3	4.4			
1/10/2017							9.1	110	150
1/11/2017		5.3							
3/13/2017	5.2		5.5	6.8	5.6	4.1			
3/14/2017		5.5							
3/15/2017							48		65
3/16/2017								200	
5/15/2017	4.8		4.7	6.1	5.2	3.7		120	
5/16/2017							8.9		120
5/18/2017		5							
10/2/2017	5.5		6.1	6	5.5	4.8			
10/3/2017							8.9	38	21
10/5/2017		5.6							
12/20/2017							8.8	22	79
3/12/2018	5.3		6.1	5.9	5.6	4			
3/13/2018							8.3	82	84
3/14/2018		5.2							
6/5/2018	5.3		5.5	6.5					
6/6/2018					5.6	4.1	8		
6/7/2018								170	86
6/10/2018		5.2							
10/16/2018	5.5		5.1	5.9					
10/17/2018					5.5	3.7		110	45
10/18/2018		5.2					8.1		
2/27/2019	4.6	5.1	5	4.3	5.1	4			
2/28/2019							9.1	49	110
5/31/2019	5.1	5	5.4	4.5	5.4	3.7	8.2	50	130
11/6/2019	5.8	6	6.1	5.7	5.9	4.7			
11/11/2019							8.4	63	81
4/16/2020	6.1	5.8	5.3	5.6	6.2	4.9			
4/18/2020							8.7	96	140
10/7/2020	6.6	5.9	5.7	5.1	6.1	4.7			
10/8/2020								230	
10/9/2020							8.9		14

Time Series

Constituent: Chloride (mg/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	7.9	43
5/4/2016	7	63
7/6/2016		51
7/7/2016	7.1	
9/7/2016	6.9	57
11/7/2016	8	
11/8/2016		47
1/10/2017	<7.4 (*)	45
3/15/2017	8.1	
3/16/2017		40
5/16/2017	7.8	39
10/3/2017	7.1	20
12/20/2017	7.6	63
3/13/2018	6.9	130
6/7/2018	7.3	120
10/17/2018	6.8	70
2/27/2019		94
2/28/2019	7.1	
5/31/2019	9.8	110
11/11/2019	12	62
4/18/2020	8.2	33
10/8/2020		36
10/9/2020	7.5	

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	<0.0025	<0.0025	<0.0025	<0.0025					
3/1/2016					<0.0025	0.00056 (J)			
3/3/2016							<0.0025	<0.0025	<0.0025
5/2/2016	0.0029		0.0019 (J)	0.0034		0.0021 (J)			
5/3/2016					0.0012 (J)				
5/4/2016		<0.0025					0.0037	<0.0025	0.0012 (J)
7/5/2016	<0.0025		0.0051	0.0059	<0.0025	<0.0025			
7/6/2016								<0.0025	<0.0025
7/7/2016							<0.0025		
7/8/2016		<0.0025							
9/6/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
9/7/2016							<0.0025		<0.0025
9/8/2016								<0.0025	
11/7/2016	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
11/8/2016							<0.0025	<0.0025	<0.0025
11/10/2016		<0.0025							
1/9/2017	<0.0025		0.017 (o)	<0.0025	<0.0025	<0.0025			
1/10/2017							<0.0025	<0.0025	<0.0025
1/11/2017		<0.0025							
3/13/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
3/14/2017		<0.0025							
3/15/2017							<0.0025		<0.0025
3/16/2017								<0.0025	
5/15/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	
5/16/2017							<0.0025		<0.0025
5/18/2017		<0.0025							
3/12/2018	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
3/13/2018							<0.0025	<0.0025	<0.0025
3/14/2018		<0.0025							
6/5/2018	<0.0025		<0.0025	<0.0025					
6/6/2018					<0.0025	<0.0025	<0.0025		
6/7/2018								<0.0025	<0.0025
6/10/2018		<0.0025							
10/16/2018	<0.0025		<0.0025	<0.0025					
10/17/2018					<0.0025	<0.0025			
10/18/2018		<0.0025							
2/27/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
2/28/2019							<0.0025	<0.0025	<0.0025
5/31/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
11/6/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
4/16/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
4/18/2020							<0.0025	<0.0025	<0.0025
10/7/2020	<0.0025	0.0046	0.001 (J)	0.0015 (J)	0.0033	0.0017 (J)			
10/8/2020								<0.0025	
10/9/2020							<0.0025		0.0016 (J)

Time Series

Constituent: Chromium (mg/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	<0.0025	<0.0025
5/4/2016	0.0025	<0.0025
7/6/2016		<0.0025
7/7/2016	<0.0025	
9/7/2016	<0.0025	<0.0025
11/7/2016	<0.0025	
11/8/2016		<0.0025
1/10/2017	<0.0025	<0.0025
3/15/2017	<0.0025	
3/16/2017		<0.0025
5/16/2017	<0.0025	<0.0025
3/13/2018	<0.0025	<0.0025
6/7/2018	<0.0025	<0.0025
2/27/2019		<0.0025
2/28/2019	<0.0025	
4/18/2020	<0.0025	0.00082
10/8/2020		<0.0025
10/9/2020	0.0016 (J)	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	0.00039 (J)	<0.0025	0.00064 (J)	0.00023 (J)					
3/1/2016					0.00064 (J)	0.00071 (J)			
3/3/2016							<0.0025	<0.0025	0.19 (o)
5/2/2016	0.0013 (J)		0.0014 (J)	0.00092 (J)		0.001 (J)			
5/3/2016					0.00079 (J)				
5/4/2016		<0.0025					0.00093 (J)	0.0007 (J)	0.16 (o)
7/5/2016	0.00049 (J)		0.0027	0.0032	<0.0025	0.00055 (J)			
7/6/2016								<0.0025	0.15 (o)
7/7/2016							<0.0025		
7/8/2016		<0.0025							
9/6/2016	0.00062 (J)	0.00042 (J)	0.00062 (J)	<0.0025	0.00094 (J)	0.00057 (J)			
9/7/2016							<0.0025		0.019 (o)
9/8/2016								<0.0025	
11/7/2016	0.00049 (J)		0.00058 (J)	<0.0025	0.00041 (J)	0.00047 (J)			
11/8/2016							<0.0025	0.00051 (J)	0.099 (o)
11/10/2016		<0.0025							
1/9/2017	0.00045 (J)		0.00059 (J)	<0.0025	0.00074 (J)	0.00054 (J)			
1/10/2017							<0.0025	<0.0025	0.077
1/11/2017		<0.0025							
3/13/2017	0.00048 (J)		0.0005 (J)	<0.0025	0.00091 (J)	0.0004 (J)			
3/14/2017		<0.0025							
3/15/2017							<0.0025		0.0042
3/16/2017								0.0004 (J)	
5/15/2017	0.00052 (J)		0.00046 (J)	<0.0025	0.00075 (J)	0.00046 (J)		0.00079 (J)	
5/16/2017							<0.0025		0.0067
5/18/2017		<0.0025							
3/12/2018	0.00055 (J)		0.00055 (J)	<0.0025	0.00044 (J)	<0.0025			
3/13/2018							<0.0025	0.00056 (J)	0.015
3/14/2018		<0.0025							
6/5/2018	0.00051 (J)		0.00052 (J)	<0.0025					
6/6/2018					0.0004 (J)	0.00048 (J)	<0.0025		
6/7/2018								0.0007 (J)	0.014
6/10/2018		<0.0025							
10/16/2018	0.00058 (J)		0.00045 (J)	<0.0025					
10/17/2018					<0.0025	0.00043 (J)		<0.0025	0.012
10/18/2018		<0.0025					<0.0025		
2/27/2019	0.00065 (J)	<0.0025	0.00056 (J)	<0.0025	<0.0025	0.00045 (J)			
2/28/2019							<0.0025	0.00059 (J)	0.02
5/31/2019	0.00046 (J)	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.00073 (J)	0.026
11/6/2019	0.00056 (J)	0.00033 (J)	0.00048 (J)	0.00019 (J)	0.00029 (J)	0.00094 (J)			
11/11/2019							0.00023 (J)	0.00065 (J)	0.023
4/16/2020	0.00058	0.00035 (J)	0.00043 (J)	0.00021 (J)	0.00029 (J)	0.00053			
4/18/2020							0.00024 (J)	0.00044 (J)	0.015
10/7/2020	0.0006 (J)	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
10/8/2020								<0.0025	
10/9/2020							<0.0025		0.0019 (J)

Time Series

Constituent: Cobalt (mg/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	0.00085 (J)	0.00063 (J)
5/4/2016	0.001 (J)	0.00056 (J)
7/6/2016		<0.0025
7/7/2016	0.00044 (J)	
9/7/2016	0.00052 (J)	<0.0025
11/7/2016	0.00046 (J)	
11/8/2016		<0.0025
1/10/2017	0.00042 (J)	<0.0025
3/15/2017	0.00044 (J)	
3/16/2017		<0.0025
5/16/2017	<0.0025	<0.0025
3/13/2018	<0.0025	<0.0025
6/7/2018	<0.0025	<0.0025
10/17/2018	<0.0025	<0.0025
2/27/2019		<0.0025
2/28/2019	0.00042 (J)	
5/31/2019	0.00046 (J)	<0.0025
11/11/2019	0.00063 (J)	<0.0025
4/18/2020	0.00045 (J)	<0.0025
10/8/2020		<0.0025
10/9/2020	<0.0025	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	1.27	1.09	1.42	2.4					
3/1/2016					0.647	<5			
3/3/2016							4.62	5.43	9.46
5/2/2016	0.808		1.03	1.62		<5			
5/3/2016					0.748				
5/4/2016		0.848					5.36	5.52	9.66
7/5/2016	0.947		0.961	1.01	0.591	<5			
7/6/2016								12.9	2.84
7/7/2016							6.27		
7/8/2016		1.46							
9/6/2016	1.07	1.34	1.07	1.8	0.831	0.566			
9/7/2016							5.25		4.49
9/8/2016								3.73	
11/7/2016	0.602		0.818	1.86	0.983	0.784			
11/8/2016							5.64	5.61	7.47
11/10/2016		1.23							
1/9/2017	0.865		0.934	2.25	0.767	0.541			
1/10/2017							5.39	4.33	9.6
1/11/2017		1.11							
3/13/2017	0.693		0.937	1.87	1.26	0.442			
3/14/2017		1.01							
3/15/2017							5.72		2.22
3/16/2017								6.34	
5/15/2017	0.786		0.685	1.4	0.553	0.345		5.77	
5/16/2017							4.84		3.89
5/18/2017		0.745							
3/12/2018	0.933		1.09	1.97	0.783	0.848			
3/13/2018							5.59	5.94	5.25
3/14/2018		0.614							
6/5/2018	0.713		0.927	2.17					
6/6/2018					1.08	0.78	3.96		
6/7/2018								5.79	4.1
6/10/2018		0.959							
10/16/2018	2.14		1.07	2.2					
10/17/2018					1.19	0.88		6.31	3.15
10/18/2018		0.944					5.75		
2/27/2019	0.651	0.827	0.912	1.8	0.741	0.431			
2/28/2019							4.82	5.4	5.21
5/31/2019	1.33	0.99	1.24	1.8	0.759	0.884	4.06	4.37	6.03
11/6/2019	1.32	0.892	0.509 (U)	2.32	0.105 (U)	0.366 (U)			
11/11/2019							5.43	5.71	5.15
4/16/2020	0.971	0.497	0.568	1.35	0.588	0.264 (U)			
4/18/2020							5.09	6.89	7.33
10/7/2020	1.14	1.07	0.763	1.75	0.709 (U)	0.46 (U)			
10/8/2020								8.36	
10/9/2020							4.71		1.58

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	1.67	2.29
5/4/2016	1.18	2.58
7/6/2016		3.08
7/7/2016	1.24	
9/7/2016	1.49	3.04
11/7/2016	1.32	
11/8/2016		2.96
1/10/2017	2.16	3.5
3/15/2017	1.14	
3/16/2017		2.9
5/16/2017	1.26	1.47
3/13/2018	1.29	2.96
6/7/2018	1.25	2.45
10/17/2018	1.24	2.7
2/27/2019		2.61
2/28/2019	1.55	
5/31/2019	1.9	3.62
11/11/2019	1.58	2
4/18/2020	1.55	1.34
10/8/2020		3.17
10/9/2020	0.858	

Time Series

Constituent: Field pH (SU) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	5.11	5.26	5.11	4.9					
3/1/2016					5.08	6.37			
3/3/2016							5.11	6.16	5.185 (D)
5/2/2016	4.76		4.77	4.69		5.605 (D)			
5/3/2016					5.14				
5/4/2016		5.1					5.13	6.3	5.02 (D)
7/5/2016	5.12		5.48	7.11 (o)	5.38	6.29			
7/6/2016								7.07	4.93
7/7/2016							4.96		
7/8/2016		4.96							
9/6/2016	5.11	5.43	5.12	5.19	5.37	6.42			
9/7/2016							4.88		5.36
9/8/2016								6.72	
11/7/2016	4.76		4.73	4.64	4.92	5.75			
11/8/2016							4.54	6.55	5.26
11/10/2016		4.89							
1/9/2017	4.99		5	4.94	5.05	5.98			
1/10/2017							4.83	6.72	5.04
1/11/2017		4.87							
3/13/2017	4.57		4.74	4.63	4.87	5.81			
3/14/2017		4.71							
3/15/2017							4.82		5.91
3/16/2017								6.5	
5/15/2017	4.6		4.63	4.52	4.69	5.42		6.15	
5/16/2017							4.53		5.36
5/18/2017		4.5							
10/2/2017	4.64		4.63	4.54	4.88	5.63			
10/3/2017							4.44	6.48	6.36
10/5/2017		4.63							
12/20/2017							4.63	6.99 (R)	5.86
3/12/2018	4.85		4.81	4.81	5.07	5.6			
3/13/2018							4.78	6.61	5.41
3/14/2018		5.14							
6/5/2018	4.92		5.04	4.9					
6/6/2018					5.09	5.58	4.67		
6/7/2018								6.48	5.37
6/10/2018		5.12							
10/16/2018	4.93		4.98	4.81					
10/17/2018					4.99	5.54		6.58	5.94
10/18/2018		4.97					4.71		
2/27/2019	4.75	4.84	4.78	4.71	4.87	5.4			
2/28/2019							4.71	6.53	5.64
5/31/2019	4.9	4.92	4.92	4.84	4.89	5.45	4.62	6.25	5.41
11/6/2019	4.82	4.94	4.88	4.78	5.04	5.52			
11/11/2019							4.77	6.68	5.18
4/16/2020	5.03	5.17	5.15	4.96	5.13	5.58			
4/18/2020							4.69	6.61	5.2
10/7/2020	4.74	5.08	4.91	4.8	5.13	5.5			
10/8/2020								6.68	
10/9/2020							4.6		6.49

Time Series

Constituent: Field pH (SU) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	5.33	6.62 (D)
5/4/2016	5.13	6.345 (D)
7/6/2016		6.42
7/7/2016	5.19	
9/7/2016	4.9	6.01
11/7/2016	4.78	
11/8/2016		6.02
1/10/2017	4.96	6
3/15/2017	4.89	
3/16/2017		6.12
5/16/2017	4.53	6.13
10/3/2017	4.64	5.47
12/20/2017	4.87	6.07 (R)
3/13/2018	4.91	6.26
6/7/2018	4.8	6.36
10/17/2018	4.87	6.18
2/27/2019		6.49
2/28/2019	4.86	
5/31/2019	4.84	6.65
11/11/2019	4.9	6.75
4/18/2020	4.91	6.97
10/8/2020		5.78
10/9/2020	4.93	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	<0.1	<0.1	<0.1	<0.1					
3/1/2016					<0.1	0.033 (J)			
3/3/2016							0.041 (J)	0.15	0.12
5/2/2016	<0.1		<0.1	<0.1		<0.1			
5/3/2016					<0.1				
5/4/2016		<0.1					<0.1	0.11	0.19
7/5/2016	<0.1		<0.1	<0.1	<0.1	<0.1			
7/6/2016								0.13	0.15
7/7/2016							<0.1		
7/8/2016		<0.1							
9/6/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
9/7/2016							<0.1		0.06 (J)
9/8/2016								0.12	
11/7/2016	<0.1		<0.1	<0.1	<0.1	<0.1			
11/8/2016							<0.1	0.13	0.09 (J)
11/10/2016		<0.1							
1/9/2017	<0.1		<0.1	<0.1	<0.1	<0.1			
1/10/2017							<0.1	0.15	<0.1
1/11/2017		<0.1							
3/13/2017	<0.1		<0.1	<0.1	<0.1	<0.1			
3/14/2017		<0.1							
3/15/2017							<0.1		<0.1
3/16/2017								0.16	
5/15/2017	<0.1		<0.1	<0.1	<0.1	<0.1		0.2	
5/16/2017							<0.1		0.04 (J)
5/18/2017		<0.1							
10/2/2017	<0.1		<0.1	<0.1	<0.1	<0.1			
10/3/2017							<0.1	0.25	0.07 (J)
10/5/2017		<0.1							
12/20/2017								0.25	
3/12/2018	<0.1		<0.1	<0.1	<0.1	<0.1			
3/13/2018							<0.1	0.26	<0.1
3/14/2018		0.12							
6/5/2018	<0.1		<0.1	<0.1					
6/6/2018					<0.1	<0.1	<0.1		
6/7/2018								0.28	<0.1
6/10/2018		<0.1							
10/16/2018	<0.1		<0.1	<0.1					
10/17/2018					<0.1	<0.1		0.29	0.06 (J)
10/18/2018		<0.1					<0.1		
2/27/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
2/28/2019							<0.1	0.28	<0.1
5/31/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.33	<0.1
11/6/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
11/11/2019							<0.1	0.26	<0.1
4/16/2020	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
4/18/2020							<0.1	0.25	<0.1
10/7/2020	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			
10/8/2020								<0.1	
10/9/2020							<0.1		0.04 (J)

Time Series

Constituent: Fluoride (mg/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	0.035 (J)	0.11
5/4/2016	<0.1	0.07 (J)
7/6/2016		0.07 (J)
7/7/2016	<0.1	
9/7/2016	<0.1	0.06 (J)
11/7/2016	<0.1	
11/8/2016		0.06 (J)
1/10/2017	<0.1	0.04 (J)
3/15/2017	<0.1	
3/16/2017		0.06 (J)
5/16/2017	<0.1	0.09 (J)
10/3/2017	<0.1	0.13
12/20/2017		0.1
3/13/2018	<0.1	0.1
6/7/2018	<0.1	0.14
10/17/2018	<0.1	0.14
2/27/2019		0.16
2/28/2019	<0.1	
5/31/2019	<0.1	0.2
11/11/2019	<0.1	0.16
4/18/2020	<0.1	0.17
10/8/2020		0.07 (J)
10/9/2020	<0.1	

Time Series

Constituent: Lead (mg/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	<0.0013	<0.0013	<0.0013	<0.0013					
3/1/2016					<0.0013	<0.0013			
3/3/2016							<0.0013	<0.0013	<0.0013
5/2/2016	<0.0013		<0.0013	<0.0013		<0.0013			
5/3/2016					<0.0013				
5/4/2016		<0.0013					<0.0013	<0.0013	0.00086 (J)
7/5/2016	<0.0013		<0.0013	<0.0013	<0.0013	<0.0013			
7/6/2016								<0.0013	0.0014
7/7/2016							<0.0013		
7/8/2016		<0.0013							
9/6/2016	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013			
9/7/2016							<0.0013		0.00056 (J)
9/8/2016								<0.0013	
11/7/2016	<0.0013		<0.0013	<0.0013	<0.0013	<0.0013			
11/8/2016							<0.0013	<0.0013	0.00047 (J)
11/10/2016		<0.0013							
1/9/2017	<0.0013		<0.0013	<0.0013	<0.0013	<0.0013			
1/10/2017							<0.0013	<0.0013	0.00041 (J)
1/11/2017		<0.0013							
3/13/2017	<0.0013		<0.0013	<0.0013	<0.0013	<0.0013			
3/14/2017		<0.0013							
3/15/2017							<0.0013		<0.0013
3/16/2017								<0.0013	
5/15/2017	<0.0013		<0.0013	<0.0013	<0.0013	<0.0013		<0.0013	
5/16/2017							<0.0013		<0.0013
5/18/2017		<0.0013							
3/12/2018	<0.0013		<0.0013	<0.0013	<0.0013	<0.0013			
3/13/2018							<0.0013	<0.0013	<0.0013
3/14/2018		<0.0013							
6/5/2018	<0.0013		<0.0013	<0.0013					
6/6/2018					<0.0013	<0.0013	<0.0013		
6/7/2018								<0.0013	<0.0013
6/10/2018		<0.0013							
10/16/2018	<0.0013		<0.0013	<0.0013					
10/17/2018					<0.0013	<0.0013			
10/18/2018		<0.0013							
2/27/2019	<0.0013	<0.0013	0.001 (J)	<0.0013	<0.0013	<0.0013			
2/28/2019							<0.0013	<0.0013	<0.0013
5/31/2019	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013			
11/6/2019	0.0001 (J)	<0.0013	6.6E-05 (J)	8.4E-05 (J)	<0.0013	0.0002 (J)			
4/16/2020	6.6E-05 (J)	<0.0013	<0.0013	<0.0013	<0.0013	0.00016 (J)			
4/18/2020							8.3E-05 (J)	0.00011 (J)	0.00022 (J)
10/7/2020	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013			
10/8/2020								<0.0013	
10/9/2020							<0.0013		0.00048 (J)

Time Series

Constituent: Lead (mg/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	<0.0013	<0.0013
5/4/2016	<0.0013	<0.0013
7/6/2016		<0.0013
7/7/2016	<0.0013	
9/7/2016	<0.0013	<0.0013
11/7/2016	<0.0013	
11/8/2016		<0.0013
1/10/2017	<0.0013	<0.0013
3/15/2017	<0.0013	
3/16/2017		<0.0013
5/16/2017	<0.0013	<0.0013
3/13/2018	<0.0013	<0.0013
6/7/2018	<0.0013	<0.0013
2/27/2019		<0.0013
2/28/2019	<0.0013	
4/18/2020	<0.0013	<0.0013
10/8/2020		<0.0013
10/9/2020	<0.0013	

Time Series

Constituent: Lithium (mg/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	<0.005	<0.005	<0.005	<0.005					
3/1/2016					<0.005	0.0037			
3/3/2016							<0.005	0.037	<0.005
5/2/2016	<0.005		<0.005	<0.005		<0.005			
5/3/2016					<0.005				
5/4/2016		<0.005					<0.005	0.029	<0.005
7/5/2016	<0.005		<0.005	<0.005	<0.005	<0.005			
7/6/2016								0.024	0.0044 (J)
7/7/2016							<0.005		
7/8/2016		<0.005							
9/6/2016	<0.005	0.0037 (J)	<0.005	<0.005	<0.005	<0.005			
9/7/2016							<0.005		<0.005
9/8/2016								0.022	
11/7/2016	<0.005		<0.005	<0.005	<0.005	0.0097 (o)			
11/8/2016							<0.005	0.026	<0.005
11/10/2016		<0.005							
1/9/2017	<0.005		<0.005	<0.005	<0.005	<0.005			
1/10/2017							<0.005	0.024	<0.005
1/11/2017		<0.005							
3/13/2017	<0.005		<0.005	<0.005	<0.005	<0.005			
3/14/2017		<0.005							
3/15/2017							<0.005		<0.005
3/16/2017								0.029	
5/15/2017	<0.005		<0.005	<0.005	<0.005	<0.005		0.025	
5/16/2017							<0.005		<0.005
5/18/2017		<0.005							
3/12/2018	0.0011 (J)		0.0014 (J)	<0.005	<0.005	<0.005			
3/13/2018							<0.005	0.03	<0.005
3/14/2018		<0.005							
6/5/2018	<0.005		0.0012 (J)	<0.005					
6/6/2018					<0.005	0.0021 (J)	<0.005		
6/7/2018								0.025	0.0012 (J)
6/10/2018		<0.005							
10/16/2018	<0.005		0.0015 (J)	0.0013 (J)					
10/17/2018					<0.005	0.0012 (J)		0.024	<0.005
10/18/2018		0.0013 (J)					<0.005		
2/27/2019	<0.005	<0.005	<0.005	<0.005	<0.005	0.002 (J)			
2/28/2019							<0.005	0.021	<0.005
5/31/2019	0.0021 (J)	0.0013 (J)	0.0017 (J)	0.0017 (J)	0.0015 (J)	0.0026 (J)	0.0014 (J)	0.021	0.0023 (J)
11/6/2019	0.0011	0.001	0.0011	<0.005	0.00063 (J)	0.0012			
11/11/2019							0.00062 (J)	0.023	0.0034
4/16/2020	0.0006 (J)	<0.005	0.00063 (J)	<0.005	<0.005	0.00091 (J)			
4/18/2020							0.00062 (J)	0.023	0.0012
10/7/2020	0.0054	0.0052	0.0054	0.0048 (J)	0.005	0.0049 (J)			
10/8/2020								0.029	
10/9/2020							<0.005		<0.005

Time Series

Constituent: Lithium (mg/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	<0.005	<0.005
5/4/2016	<0.005	<0.005
7/6/2016		<0.005
7/7/2016	<0.005	
9/7/2016	<0.005	<0.005
11/7/2016	<0.005	
11/8/2016		<0.005
1/10/2017	<0.005	<0.005
3/15/2017	<0.005	
3/16/2017		<0.005
5/16/2017	<0.005	<0.005
3/13/2018	<0.005	<0.005
6/7/2018	0.0014 (J)	0.0011 (J)
10/17/2018	<0.005	<0.005
2/27/2019		0.0011 (J)
2/28/2019	<0.005	
5/31/2019	<0.005	0.0021 (J)
11/11/2019	0.00054 (J)	0.0013
4/18/2020	0.00047 (J)	<0.005
10/8/2020		<0.005
10/9/2020	<0.005	

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	<0.0002	<0.0002	9.1E-05 (J)	<0.0002					
3/1/2016					<0.0002	<0.0002			
3/3/2016							<0.0002	<0.0002	8.6E-05 (J)
5/2/2016	<0.0002		7.4E-05 (J)	<0.0002		<0.0002			
5/3/2016					<0.0002				
5/4/2016		<0.0002					<0.0002	<0.0002	0.00026
7/5/2016	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002			
7/6/2016								<0.0002	0.0012
7/7/2016							<0.0002		
7/8/2016		<0.0002 (*)							
9/6/2016	<0.0002 (*)	<0.0002	<0.0002 (*)	<0.0002	<0.0002 (*)	<0.0002 (*)			
9/7/2016							<0.0002		<0.0002
9/8/2016								<0.0002	
11/7/2016	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002			
11/8/2016							<0.0002	<0.0002	0.00065
11/10/2016		<0.0002							
1/9/2017	<0.0002 (*)		<0.0002 (*)	<0.0002 (*)	<0.0002 (*)	<0.0002 (*)			
1/10/2017							<0.0002	<0.0002	<0.0002
1/11/2017		<0.0002							
3/13/2017	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002			
3/14/2017		<0.0002 (*)							
3/15/2017							<0.0002		<0.0002
3/16/2017								<0.0002	
5/15/2017	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	
5/16/2017							<0.0002		0.00042
5/18/2017		<0.0002							
3/12/2018	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002			
3/13/2018							<0.0002	<0.0002	0.00039
3/14/2018		9.3E-05 (J)							
6/5/2018	<0.0002		<0.0002	<0.0002					
6/6/2018					<0.0002	<0.0002	<0.0002		
6/7/2018								<0.0002	0.00033
6/10/2018		<0.0002							
10/16/2018	<0.0002		<0.0002	<0.0002					
10/17/2018					<0.0002	<0.0002		<0.0002	0.00041
10/18/2018		<0.0002					<0.0002		
2/27/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			
2/28/2019							<0.0002	<0.0002	0.00055
5/31/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00054
11/6/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			
11/11/2019							<0.0002	<0.0002	0.0011
4/16/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			
4/18/2020							<0.0002	<0.0002	0.00082
10/7/2020	<0.0002	<0.0002	0.00025	0.00013 (J)	8E-05 (J)	<0.0002			
10/8/2020								<0.0002	
10/9/2020							<0.0002		0.00033

Time Series

Constituent: Mercury (mg/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	<0.0002	<0.0002
5/4/2016	<0.0002	<0.0002
7/6/2016		<0.0002 (*)
7/7/2016	<0.0002	
9/7/2016	<0.0002	<0.0002
11/7/2016	<0.0002	
11/8/2016		<0.0002
1/10/2017	<0.0002	<0.0002
3/15/2017	<0.0002	
3/16/2017		<0.0002
5/16/2017	<0.0002	<0.0002
3/13/2018	<0.0002	<0.0002
6/7/2018	<0.0002	<0.0002
10/17/2018	<0.0002	<0.0002
2/27/2019		<0.0002
2/28/2019	<0.0002	
5/31/2019	<0.0002	<0.0002
11/11/2019	<0.0002	<0.0002
4/18/2020	<0.0002	<0.0002
10/8/2020		8.7E-05 (J)
10/9/2020	0.00014 (J)	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	<0.015	<0.015	<0.015	<0.015					
3/1/2016					<0.015	<0.015			
3/3/2016							<0.015	0.99	<0.015
5/2/2016	<0.015		<0.015	<0.015		<0.015			
5/3/2016					<0.015				
5/4/2016		<0.015					<0.015	0.99	<0.015
7/5/2016	<0.015		<0.015	<0.015	<0.015	<0.015			
7/6/2016								1.9	0.0018 (J)
7/7/2016							<0.015		
7/8/2016		<0.015							
9/6/2016	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015			
9/7/2016							<0.015		0.0029 (J)
9/8/2016								2.4	
11/7/2016	<0.015		<0.015	<0.015	<0.015	<0.015			
11/8/2016							<0.015	2.2	<0.015
11/10/2016		<0.015							
1/9/2017	<0.015		<0.015	<0.015	<0.015	<0.015			
1/10/2017							<0.015	2.1	<0.015 (*)
1/11/2017		<0.015							
3/13/2017	0.0042 (J)		<0.015	0.0022 (J)	<0.015	<0.015			
3/14/2017		<0.015							
3/15/2017							<0.015		<0.015
3/16/2017								1.6	
5/15/2017	<0.015		<0.015	<0.015	<0.015	<0.015		1.2	
5/16/2017							<0.015		<0.015 (*)
5/18/2017		<0.015							
3/12/2018	<0.015		<0.015	<0.015	<0.015	<0.015			
3/13/2018							<0.015	1	0.0033 (J)
3/14/2018		<0.015							
6/5/2018	<0.015		0.00088 (J)	<0.015					
6/6/2018					<0.015	<0.015	<0.015		
6/7/2018								1.1	0.0065 (J)
6/10/2018		<0.015							
10/16/2018	<0.015		<0.015	<0.015					
10/17/2018					<0.015	<0.015		1.1	0.0043 (J)
10/18/2018		<0.015					<0.015		
2/27/2019	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015			
2/28/2019							<0.015	0.77	0.0028 (J)
5/31/2019	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.64	<0.015
11/6/2019	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015			
11/11/2019							<0.015	0.85	0.0056 (J)
4/16/2020	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015			
4/18/2020							<0.015	0.81	<0.015
10/7/2020	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015			
10/8/2020								0.5	
10/9/2020							<0.015		<0.015

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	<0.015	<0.015
5/4/2016	<0.015	<0.015
7/6/2016		<0.015
7/7/2016	<0.015	
9/7/2016	<0.015	<0.015
11/7/2016	<0.015	
11/8/2016		<0.015
1/10/2017	<0.015	<0.015
3/15/2017	<0.015	
3/16/2017		<0.015
5/16/2017	<0.015 (*)	<0.015
3/13/2018	<0.015	<0.015
6/7/2018	0.0016 (J)	0.00098 (J)
10/17/2018	<0.015	<0.015
2/27/2019		<0.015
2/28/2019	<0.015	
5/31/2019	<0.015	<0.015
11/11/2019	<0.015	<0.015
4/18/2020	<0.015	<0.015
10/8/2020		<0.015
10/9/2020	<0.015	

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	<0.0013	<0.0013	<0.0013	<0.0013					
3/1/2016					<0.0013	<0.0013			
3/3/2016							<0.0013	0.008	0.0041 (J)
5/2/2016	<0.0013		<0.0013	0.00025 (J)		<0.0013			
5/3/2016					<0.0013				
5/4/2016		<0.0013					<0.0013	0.0068	0.008
7/5/2016	<0.0013		<0.0013	<0.0013	<0.0013	<0.0013			
7/6/2016								0.0061	0.0056
7/7/2016							<0.0013		
7/8/2016		<0.0013							
9/6/2016	0.00049 (J)	<0.0013	<0.0013	0.00027 (J)	<0.0013	<0.0013			
9/7/2016							<0.0013		0.0045
9/8/2016								0.0065	
11/7/2016	<0.0013		<0.0013	<0.0013	<0.0013	<0.0013			
11/8/2016							<0.0013	0.0046	0.0055
11/10/2016		<0.0013							
1/9/2017	<0.0013		<0.0013	<0.0013	<0.0013	<0.0013			
1/10/2017							<0.0013	0.0045	0.0056
1/11/2017		0.00049 (J)							
3/13/2017	0.0023		<0.0013	0.0025	<0.0013	<0.0013			
3/14/2017		<0.0013							
3/15/2017							<0.0013		0.0088
3/16/2017								0.0079	
5/15/2017	<0.0013		<0.0013	<0.0013	<0.0013	<0.0013		0.0064	
5/16/2017							<0.0013		0.0029
5/18/2017		<0.0013							
3/12/2018	0.00046 (J)		0.00064 (J)	0.00047 (J)	0.00026 (J)	<0.0013			
3/13/2018							<0.0013	0.0037	0.0065
3/14/2018		0.00067 (J)							
6/5/2018	0.00049 (J)		0.00098 (J)	0.00065 (J)					
6/6/2018					0.00025 (J)	0.00026 (J)	<0.0013		
6/7/2018								0.0054	0.0047
6/10/2018		0.00028 (J)							
10/16/2018	<0.0013		<0.0013	<0.0013					
10/17/2018					<0.0013	<0.0013		0.0026	0.05 (o)
10/18/2018		<0.0013					<0.0013		
2/27/2019	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013			
2/28/2019							<0.0013	0.002	0.0011 (J)
5/31/2019	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	0.0041	0.0045
11/6/2019	<0.0013	<0.0013	<0.0013	0.00034	<0.0013	<0.0013			
11/11/2019							<0.0013	0.0031	0.0067
4/16/2020	<0.0013	<0.0013	<0.0013	0.0004	<0.0013	<0.0013			
4/18/2020							<0.0013	0.0035	0.0066
10/7/2020	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013			
10/8/2020								0.0014	
10/9/2020							<0.0013		0.0057

Time Series

Constituent: Selenium (mg/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	<0.0013	0.0051 (J)
5/4/2016	<0.0013	0.0049
7/6/2016		0.0066
7/7/2016	<0.0013	
9/7/2016	<0.0013	0.0073
11/7/2016	<0.0013	
11/8/2016		0.0058
1/10/2017	<0.0013	0.0058
3/15/2017	<0.0013	
3/16/2017		0.006
5/16/2017	<0.0013	0.0058
3/13/2018	<0.0013	0.0048
6/7/2018	<0.0013	0.0061
10/17/2018	<0.0013	0.0023
2/27/2019		0.0033
2/28/2019	<0.0013	
5/31/2019	<0.0013	0.0031
11/11/2019	0.00027	0.002
4/18/2020	<0.0013	0.0021
10/8/2020		0.0047
10/9/2020	<0.0013	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	<5	<5	<5	1.6 (J)					
3/1/2016					<5	<5			
3/3/2016							<5	180	550
5/2/2016	15 (o)		<5	2.1 (J)		<5			
5/3/2016					<5				
5/4/2016		<5					<5	200	520
7/5/2016	<5		<5	2 (J)	<5	<5			
7/6/2016								150	510
7/7/2016							<5		
7/8/2016		<5							
9/6/2016	<5	<5	<5	1.8 (J)	<5	3.7 (J)			
9/7/2016							<5		340
9/8/2016								160	
11/7/2016	<5		<5	1.7 (J)	<5	<5			
11/8/2016							<5	230	630
11/10/2016		<5							
1/9/2017	<5		2.6 (J)	1.5 (J)	<5	<5			
1/10/2017							<5	190	580
1/11/2017		<5							
3/13/2017	2.5 (J)		<5	2.2 (J)	<5	<5			
3/14/2017		<5							
3/15/2017							<5 (*)		250
3/16/2017								190	
5/15/2017	<5		<5	1.9 (J)	<5	<5		190	
5/16/2017							<5		410
5/18/2017		<5 (X)							
10/2/2017	<5		<5	3.4 (J)	1.5 (J)	1.7 (J)			
10/3/2017							<5	130	440
10/5/2017		<5							
12/20/2017								85	400
3/12/2018	<5		<5	2.6 (J)	<5	<5			
3/13/2018							<5	160	460
3/14/2018		<5							
6/5/2018	<5		<5	2.6 (J)					
6/6/2018					<5	<5	<5		
6/7/2018								280	420
6/10/2018		1.5 (J)							
10/16/2018	<5		<5	2.8 (J)					
10/17/2018					<5	<5		250	320
10/18/2018		<5					<5		
2/27/2019	<5	1.9 (J)	<5	2.4 (J)	<5	<5			
2/28/2019							<5	140	490
5/31/2019	<5	<5	<5	3.3 (J)	<5	<5	<5	140	500
11/6/2019	<5	<5	<5	3.7 (J)	<5	<5			
11/11/2019							<5	230	340
4/16/2020	<5	<5	<5	1.7 (J)	<5	<5			
4/18/2020							<5	260	600
10/7/2020	<5	<5	<5	4 (J)	<5	<5			
10/8/2020								160	
10/9/2020							<5		300

Time Series

Constituent: Sulfate (mg/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	<5	230
5/4/2016	<5	280
7/6/2016		270
7/7/2016	<5	
9/7/2016	<5	280
11/7/2016	<5	
11/8/2016		280
1/10/2017	<5	240
3/15/2017	<5 (*)	
3/16/2017		220
5/16/2017	<5	200
10/3/2017	<5	180
12/20/2017		170
3/13/2018	1.5 (J)	210
6/7/2018	<5	210
10/17/2018	<5	140
2/27/2019		150
2/28/2019	2.6 (J)	
5/31/2019	12	210
11/11/2019	5.5	170
4/18/2020	<5	120
10/8/2020		170
10/9/2020	<5	

Time Series

Constituent: Thallium (mg/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	<0.0005	<0.0005	<0.0005	<0.0005					
3/1/2016					<0.0005	<0.0005			
3/3/2016							<0.0005	0.00023 (J)	0.00015 (J)
5/2/2016	<0.0005		<0.0005	<0.0005		<0.0005			
5/3/2016					<0.0005				
5/4/2016		<0.0005					<0.0005	0.00021 (J)	0.00021 (J)
7/5/2016	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
7/6/2016								0.00016 (J)	0.00022 (J)
7/7/2016							<0.0005		
7/8/2016		<0.0005							
9/6/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
9/7/2016							<0.0005		0.0001 (J)
9/8/2016								0.00015 (J)	
11/7/2016	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
11/8/2016							<0.0005	0.00017 (J)	0.00014 (J)
11/10/2016		<0.0005							
1/9/2017	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
1/10/2017							<0.0005	0.00018 (J)	0.00018 (J)
1/11/2017		<0.0005							
3/13/2017	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
3/14/2017		<0.0005							
3/15/2017							<0.0005		<0.0005
3/16/2017								0.00024 (J)	
5/15/2017	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005		0.00022 (J)	
5/16/2017							<0.0005		9.5E-05 (J)
5/18/2017		<0.0005							
3/12/2018	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
3/13/2018							<0.0005	0.00022 (J)	0.00017 (J)
3/14/2018		<0.0005							
6/5/2018	<0.0005		<0.0005	<0.0005					
6/6/2018					<0.0005	<0.0005	<0.0005		
6/7/2018								0.00022 (J)	0.00017 (J)
6/10/2018		<0.0005							
10/16/2018	<0.0005		<0.0005	<0.0005					
10/17/2018					<0.0005	<0.0005		0.00019 (J)	0.00011 (J)
10/18/2018		<0.0005					<0.0005		
2/27/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
2/28/2019							<0.0005	0.00018 (J)	0.00016 (J)
5/31/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
11/6/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
11/11/2019							<0.0005	0.00023 (J)	0.00029 (J)
4/16/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
4/18/2020							<0.0005	0.00027	0.00026
10/7/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
10/8/2020								0.00038 (J)	
10/9/2020							<0.0005		0.00015 (J)

Time Series

Constituent: Thallium (mg/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	<0.0005	0.00023 (J)
5/4/2016	<0.0005	0.00026 (J)
7/6/2016		0.00032 (J)
7/7/2016	<0.0005	
9/7/2016	<0.0005	0.00036 (J)
11/7/2016	<0.0005	
11/8/2016		0.00032 (J)
1/10/2017	<0.0005	0.00033 (J)
3/15/2017	<0.0005	
3/16/2017		0.00029 (J)
5/16/2017	<0.0005	0.00027 (J)
3/13/2018	<0.0005	0.00028 (J)
6/7/2018	<0.0005	0.00026 (J)
10/17/2018	<0.0005	0.00022 (J)
2/27/2019		0.00022 (J)
2/28/2019	<0.0005	
5/31/2019	<0.0005	<0.0005
11/11/2019	<0.0005	0.00023 (J)
4/18/2020	<0.0005	0.00016
10/8/2020		0.00031 (J)
10/9/2020	<0.0005	

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-100 (bg)	MW-101 (bg)	MW-107 (bg)	MW-108 (bg)	MW-306 (bg)	MW-307 (bg)	MW-300	MW-303	MW-304
2/29/2016	20	20	<5	12					
3/1/2016					10	<5			
3/3/2016							18	420	1100
5/2/2016	<5		<5	6		36			
5/3/2016					<5				
5/4/2016		6					28	450	1200
7/5/2016	12		14	<5	<5	<5			
7/6/2016								280	870
7/7/2016							<5		
7/8/2016		6							
9/6/2016	36	36	30	38	36	44			
9/7/2016							8		650
9/8/2016								410	
11/7/2016	18		8	<5	<5	30			
11/8/2016							24	580	1100
11/10/2016		16							
1/9/2017	4 (J)		<5	14	<5	12			
1/10/2017							30	530	1300
1/11/2017		38							
3/13/2017	6		<5	8	22	20			
3/14/2017		<5							
3/15/2017							32		500
3/16/2017								650	
5/15/2017	<5		<5	<5	6	4 (J)		500	
5/16/2017							<5		850
5/18/2017		10							
10/2/2017	<5		<5	6	16	24			
10/3/2017							34	310	760
10/5/2017		<5							
12/20/2017								150	830
3/12/2018	18		14	<5	<5	<5			
3/13/2018							26	450	880
3/14/2018		8							
6/5/2018	10		<5	14					
6/6/2018					20	16	64		
6/7/2018								620	670
6/10/2018		8							
10/16/2018	32		12	6					
10/17/2018					44	44		700	770
10/18/2018		28					12		
2/27/2019	110	68	54	110	20	28			
2/28/2019							20	330	880
5/31/2019	46	<5	8	26	32	18	36	300	1200
11/6/2019	<5	10	4 (J)	<5	24	20			
11/11/2019							66	390	370
4/16/2020	28	44	18	8	6	8			
4/18/2020							62	520	1000
10/7/2020	30	24	20	26	16	12			
10/8/2020								850	
10/9/2020							52		580

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 1/7/2021 5:48 PM View: Descriptive - 300 Series

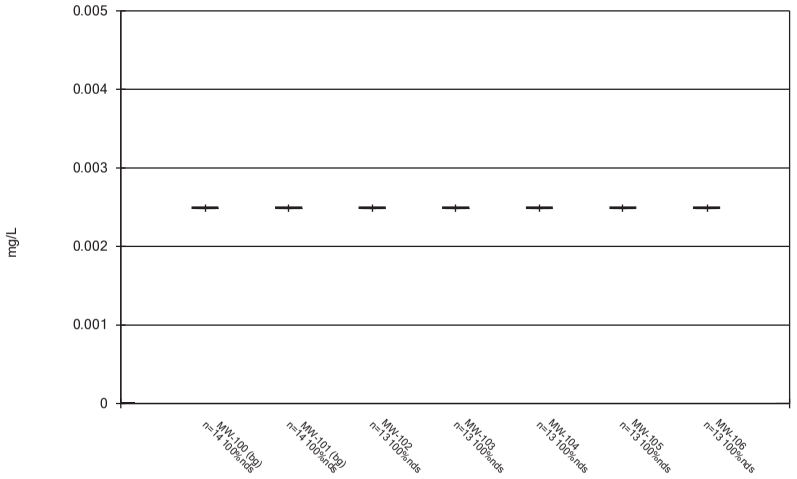
Plant Crist Client: Gulf Power Data: Plant Crist CCR

	MW-305	MW-308
3/3/2016	18	490
5/4/2016	38	690
7/6/2016		500
7/7/2016	<5	
9/7/2016	14	590
11/7/2016	32	
11/8/2016		530
1/10/2017	32	510
3/15/2017	20	
3/16/2017		420
5/16/2017	18	430
10/3/2017	36	320
12/20/2017		410
3/13/2018	12	590
6/7/2018	<5	530
10/17/2018	68	390
2/27/2019		420
2/28/2019	28	
5/31/2019	50	620
11/11/2019	38	410
4/18/2020	36	280
10/8/2020		380
10/9/2020	42	

Box Plots - 100, 200 & 300 Series

100 Series

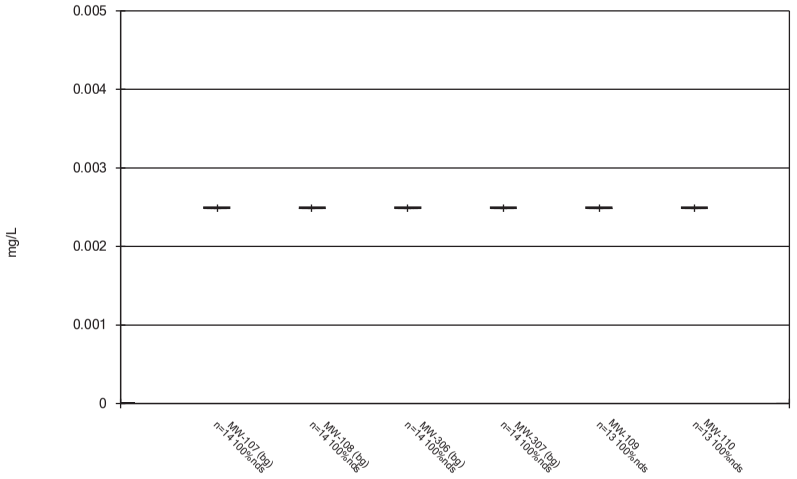
Box & Whiskers Plot



Constituent: Antimony Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

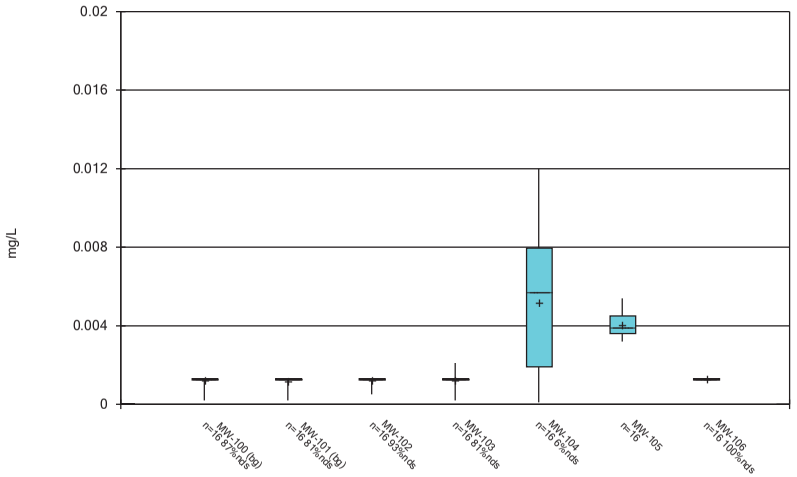
Box & Whiskers Plot



Constituent: Antimony Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

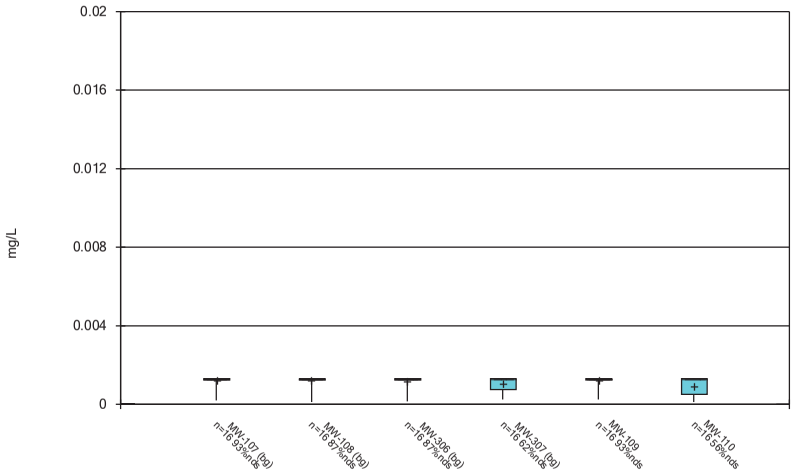
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

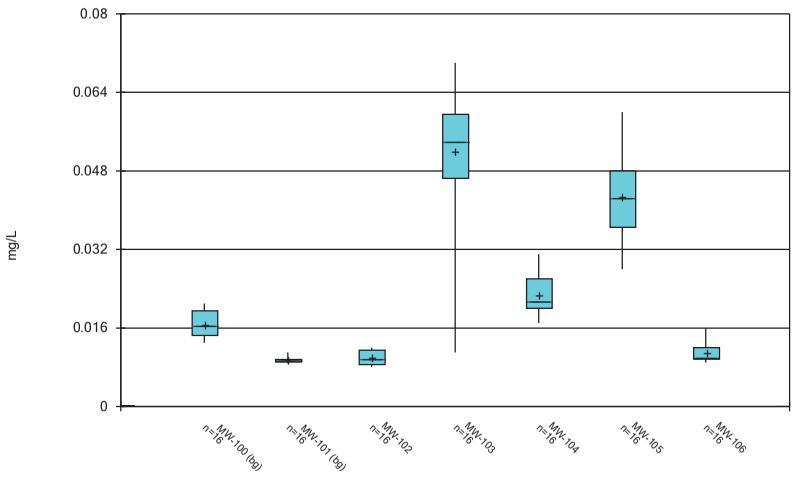
Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Arsenic Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

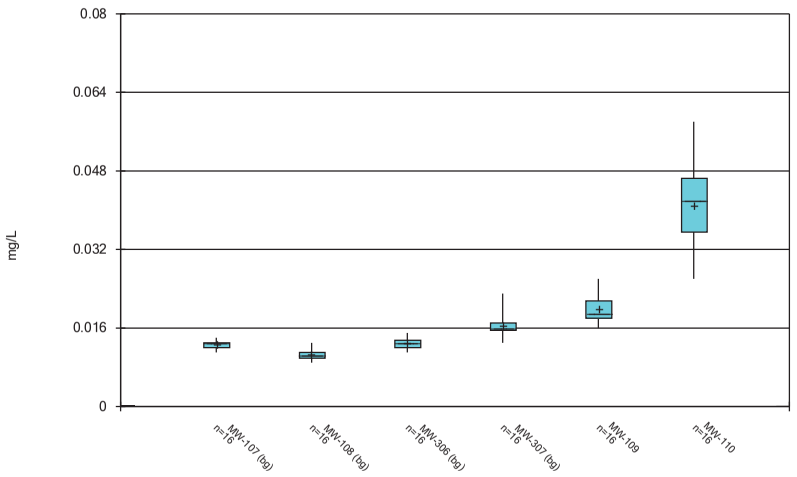
Box & Whiskers Plot



Constituent: Barium Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

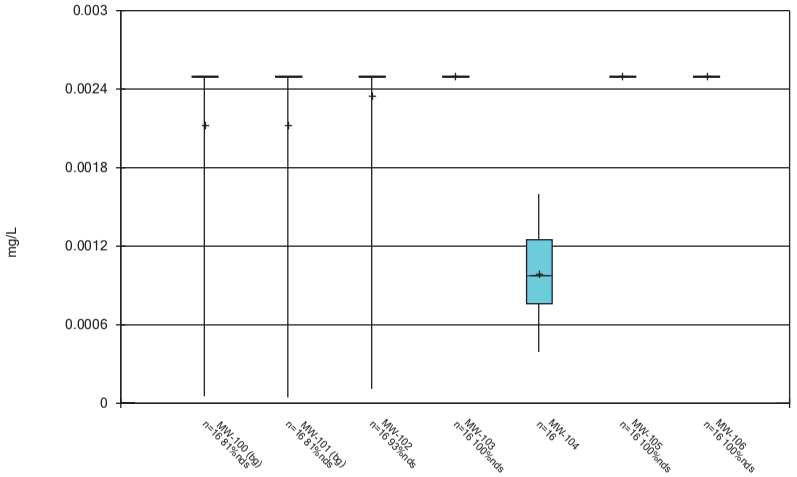
Box & Whiskers Plot



Constituent: Barium Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

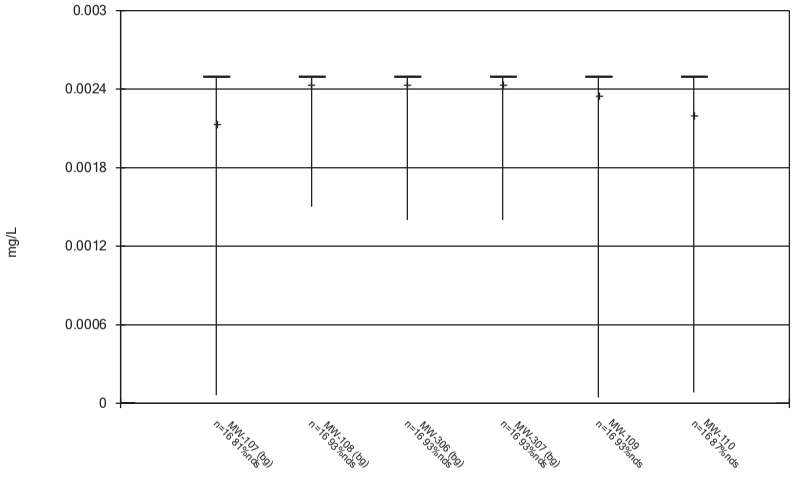
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

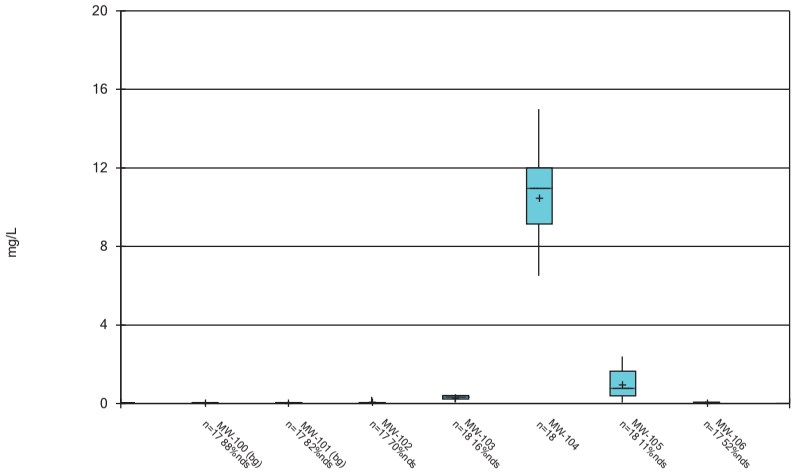
Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Beryllium Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

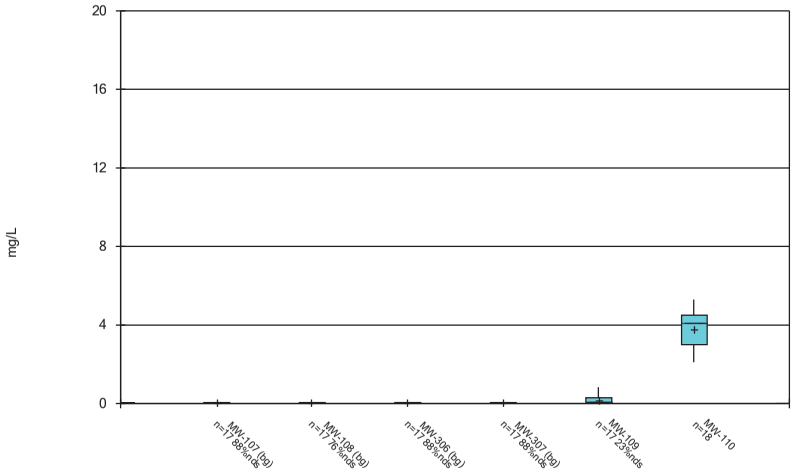
Box & Whiskers Plot



Constituent: Boron Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

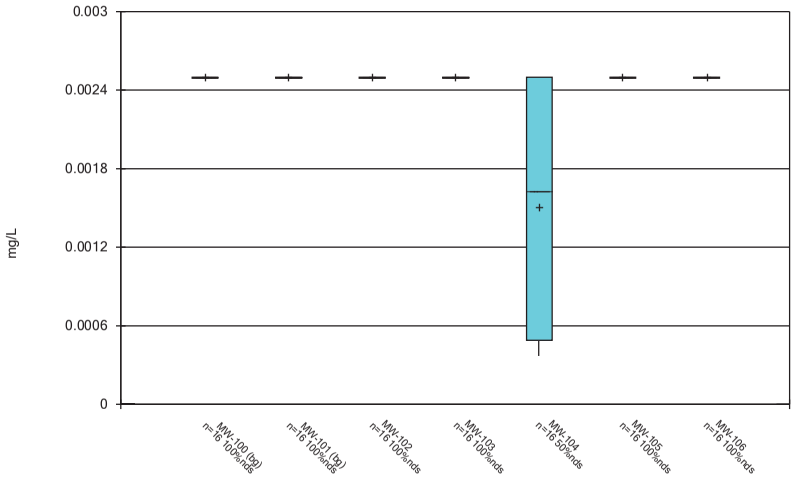
Box & Whiskers Plot



Constituent: Boron Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

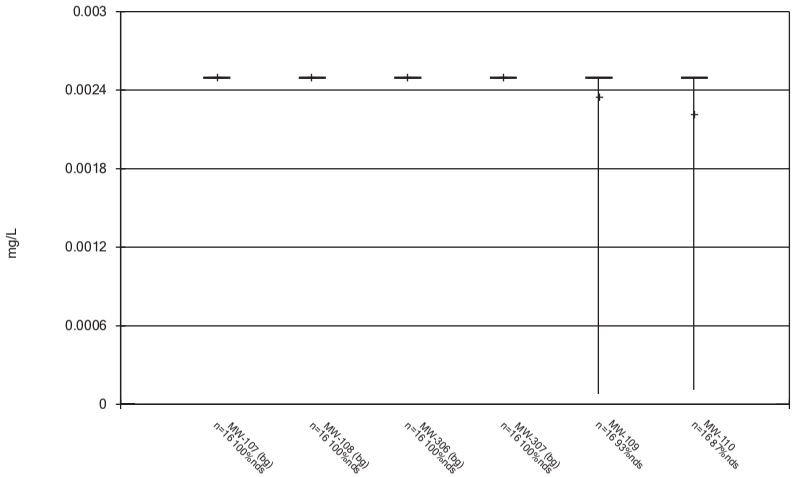
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

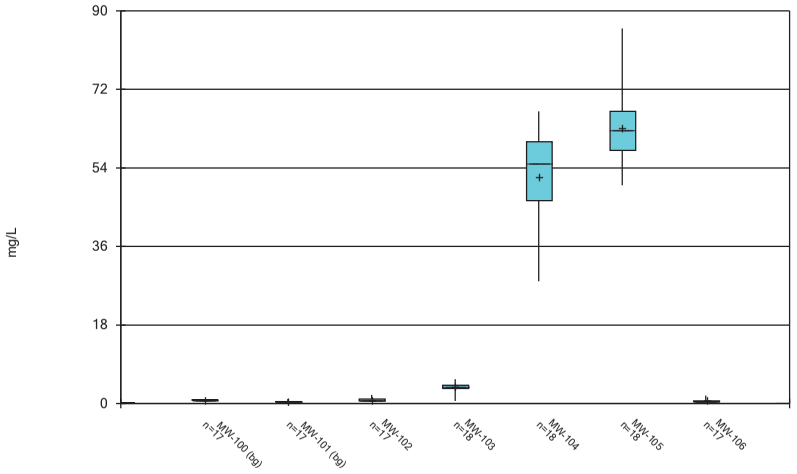
Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Cadmium Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

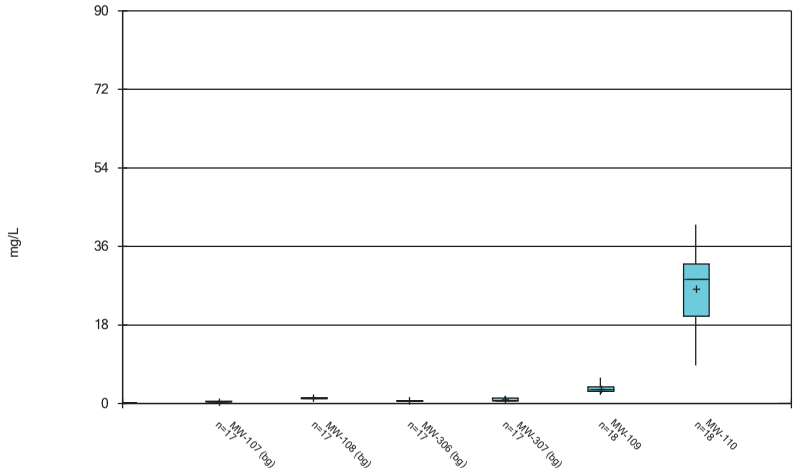
Box & Whiskers Plot



Constituent: Calcium Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

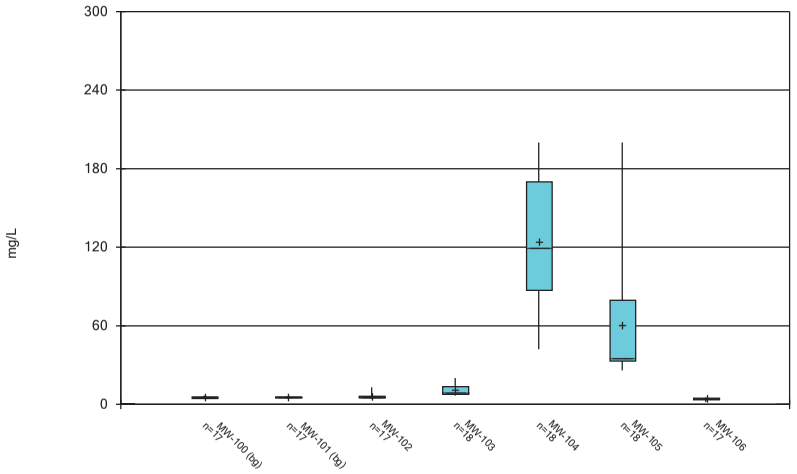
Box & Whiskers Plot



Constituent: Calcium Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

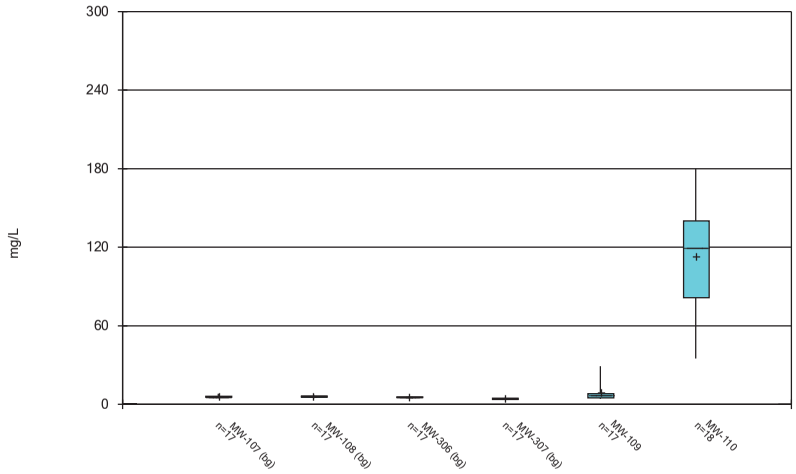
Box & Whiskers Plot



Constituent: Chloride Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

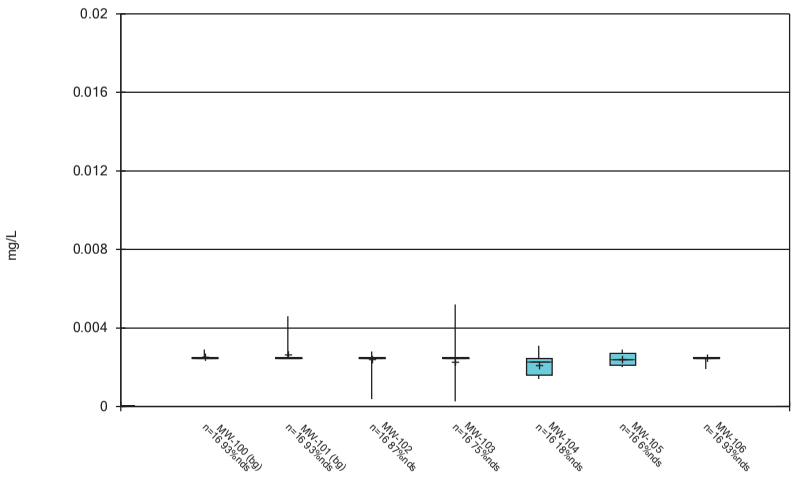
Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Chloride Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

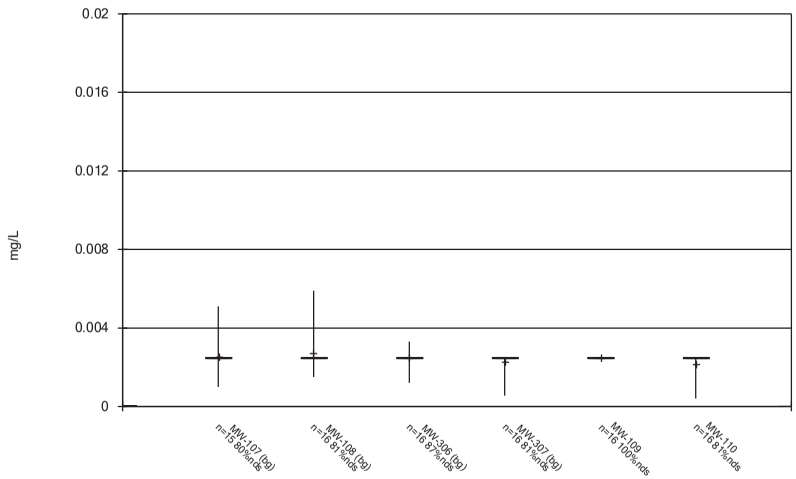
Box & Whiskers Plot



Constituent: Chromium Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

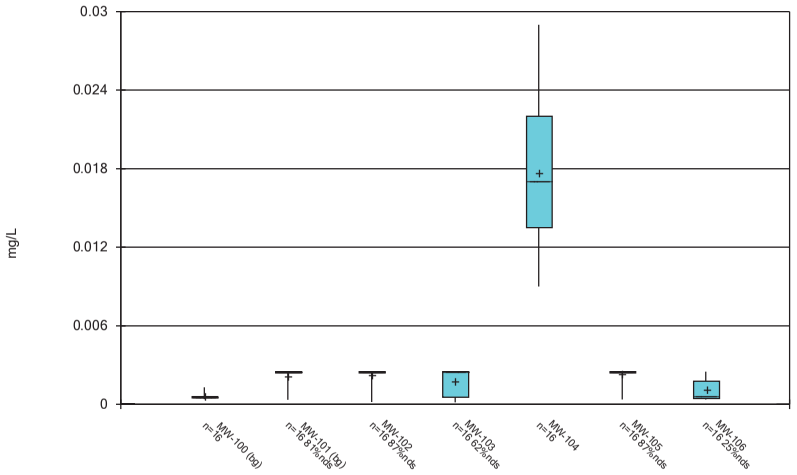
Box & Whiskers Plot



Constituent: Chromium Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

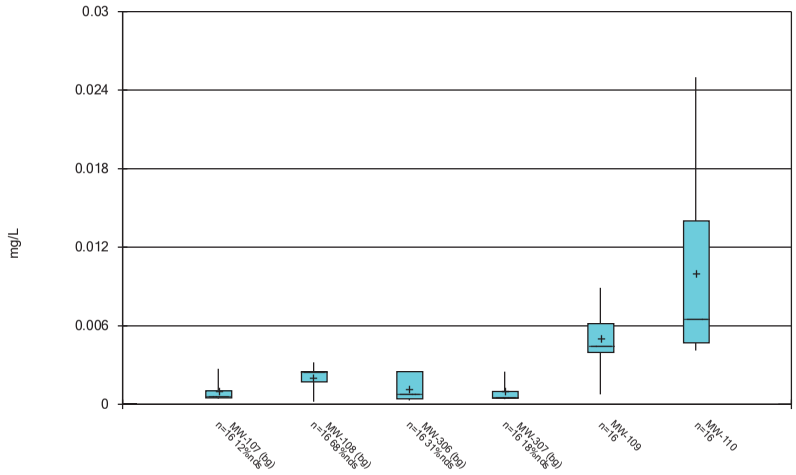
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

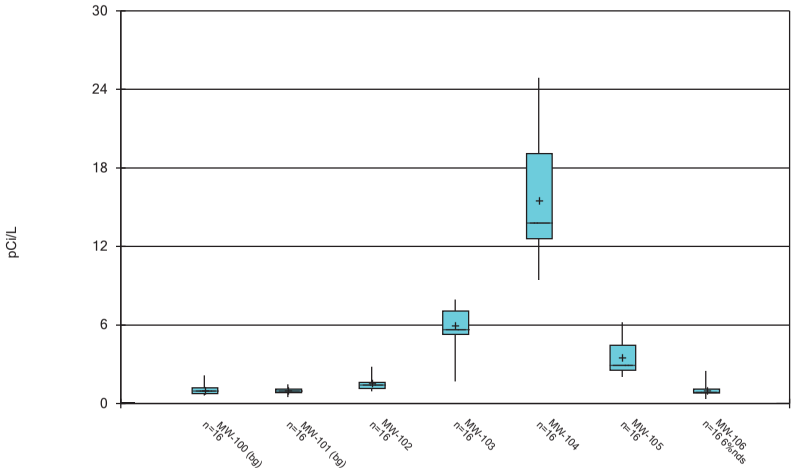
Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Cobalt Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

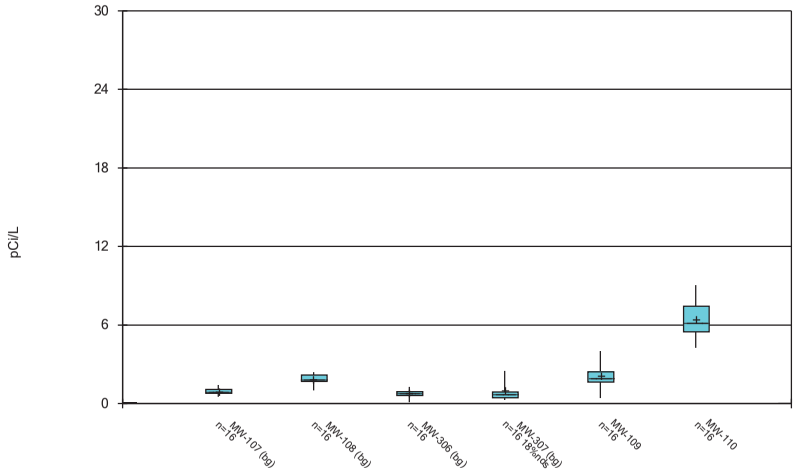
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

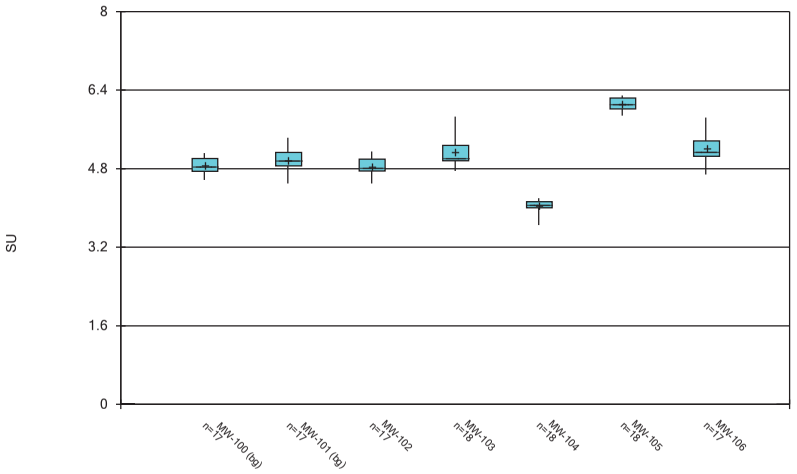
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

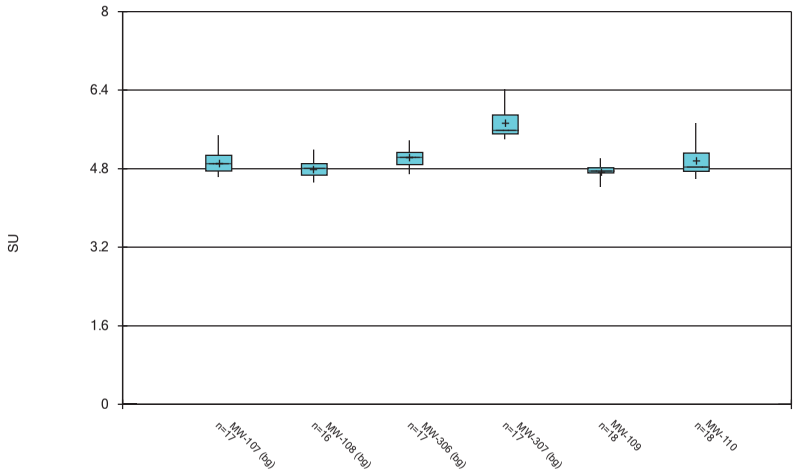
Box & Whiskers Plot



Constituent: Field pH Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

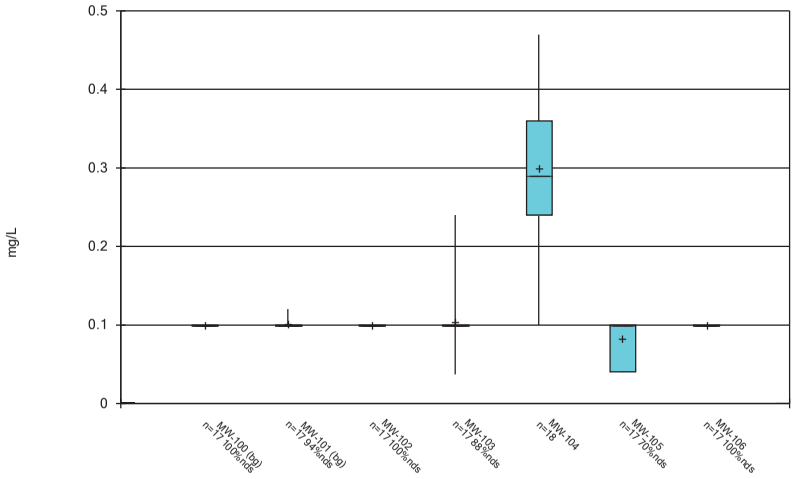
Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Field pH Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

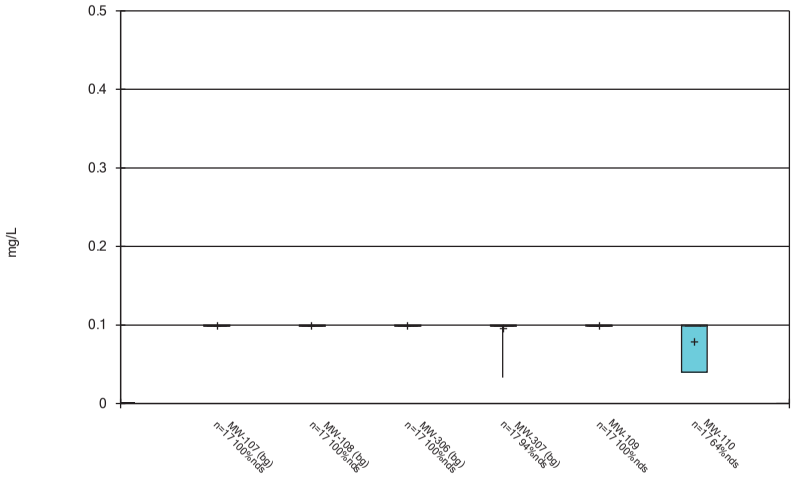
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

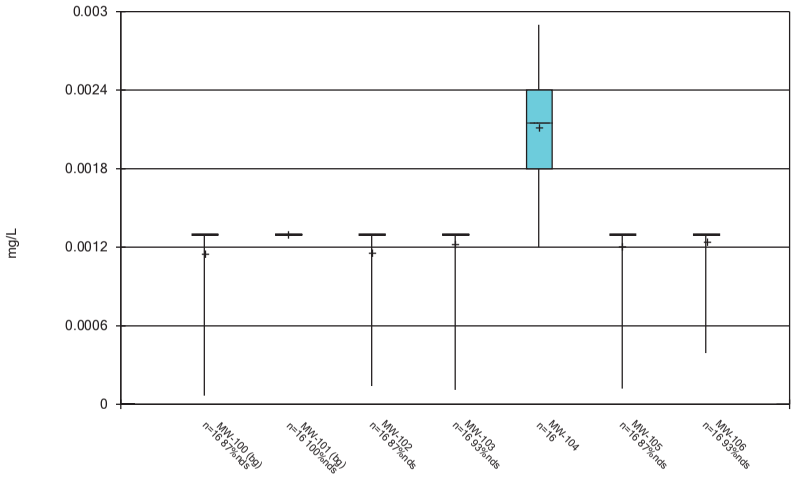
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

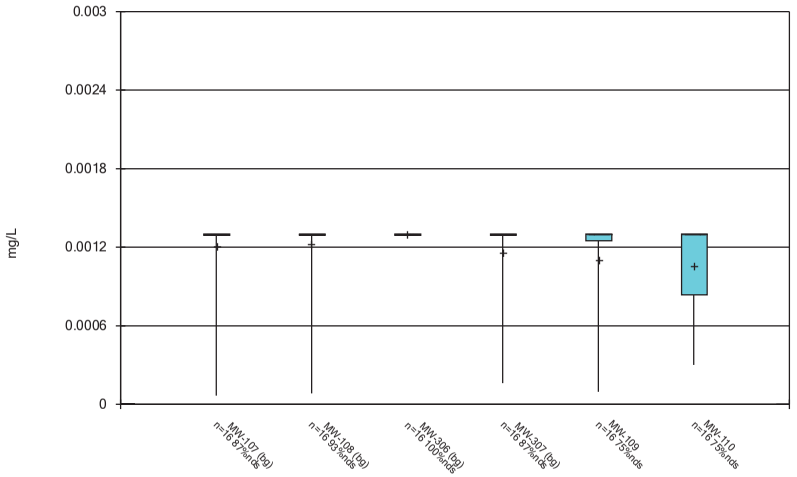
Box & Whiskers Plot



Constituent: Lead Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

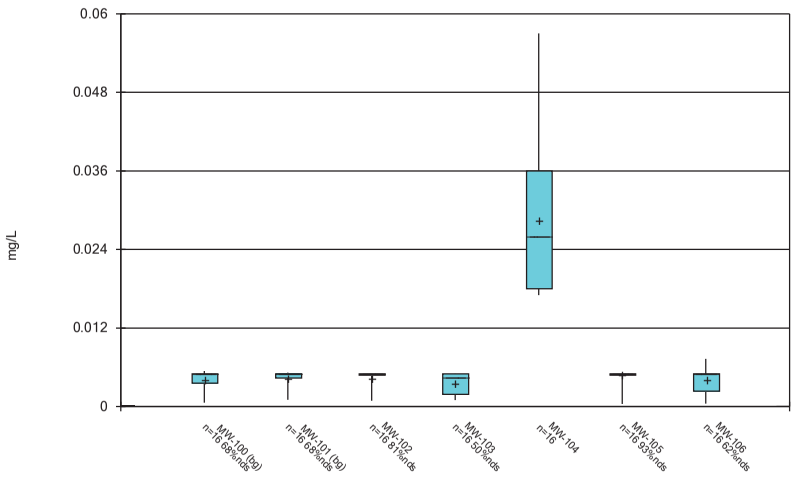
Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Lead Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

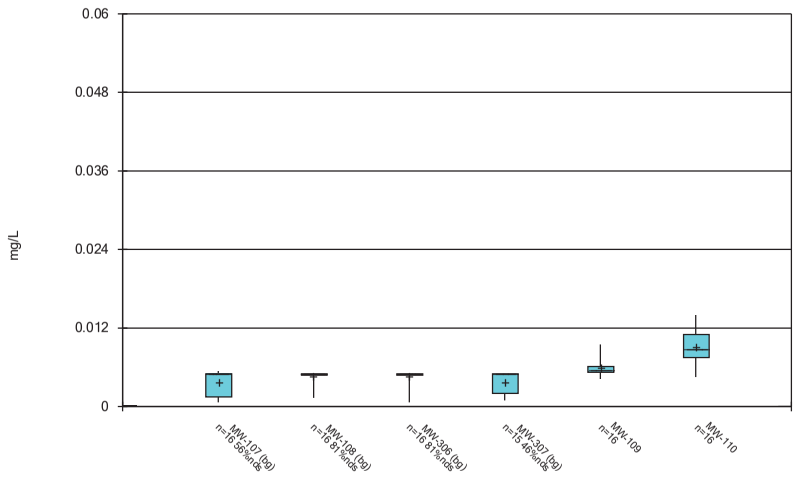
Box & Whiskers Plot



Constituent: Lithium Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

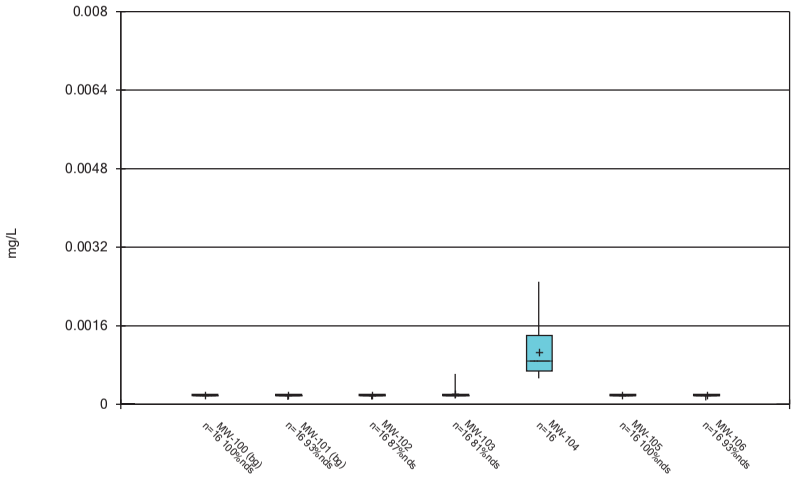
Box & Whiskers Plot



Constituent: Lithium Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

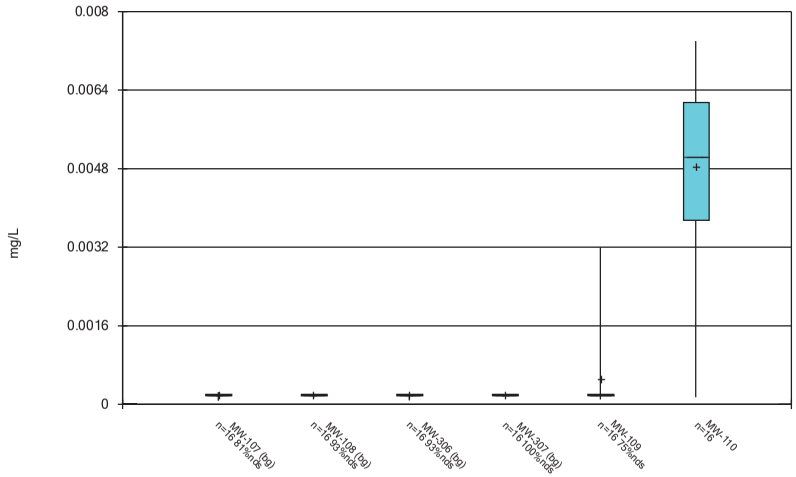
Box & Whiskers Plot



Constituent: Mercury Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

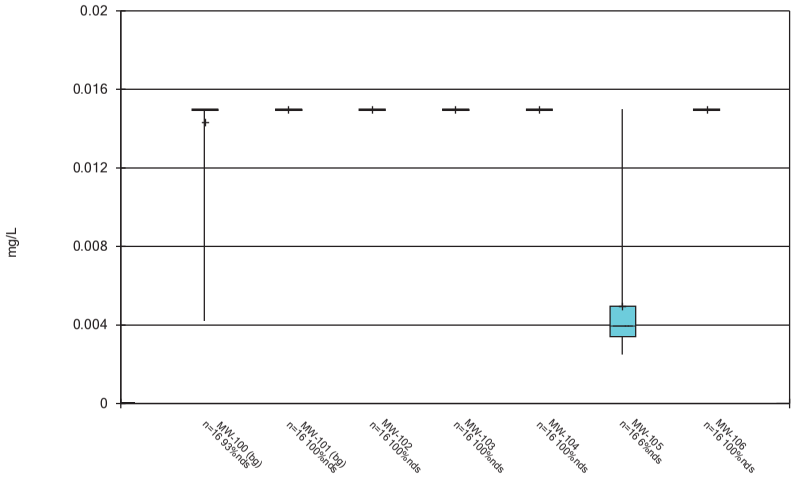
Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Mercury Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

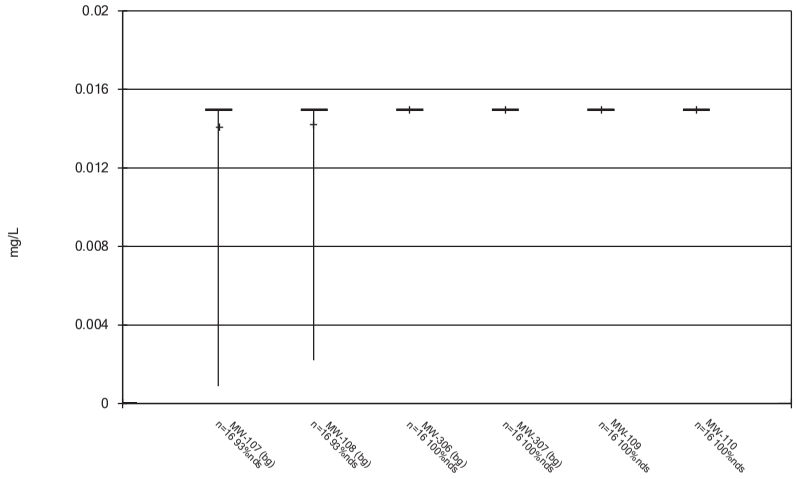
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

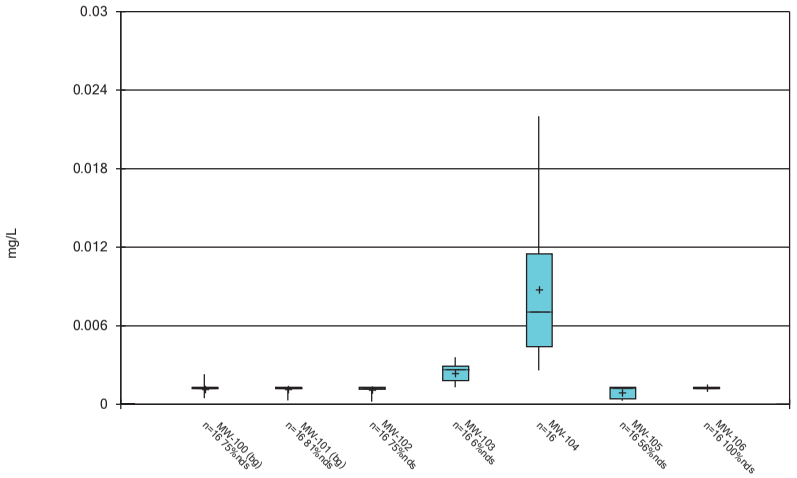
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

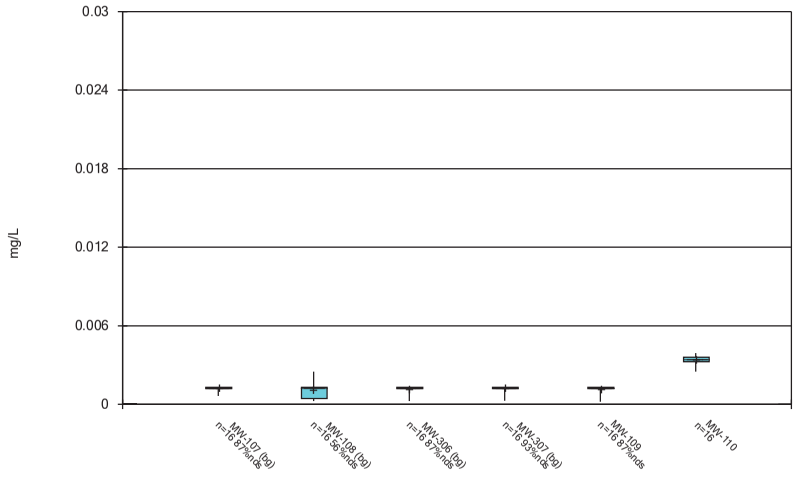
Box & Whiskers Plot



Constituent: Selenium Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

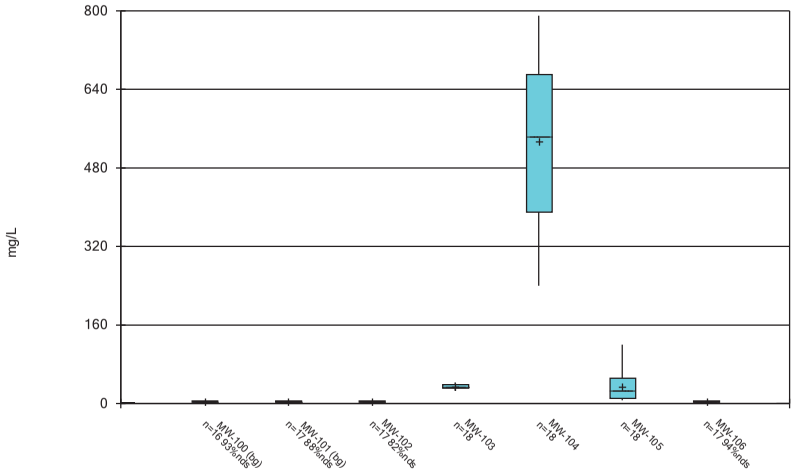
Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Selenium Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

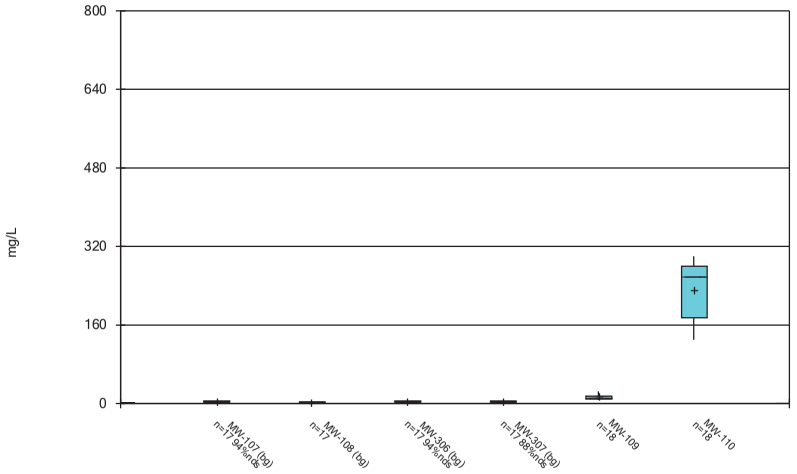
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

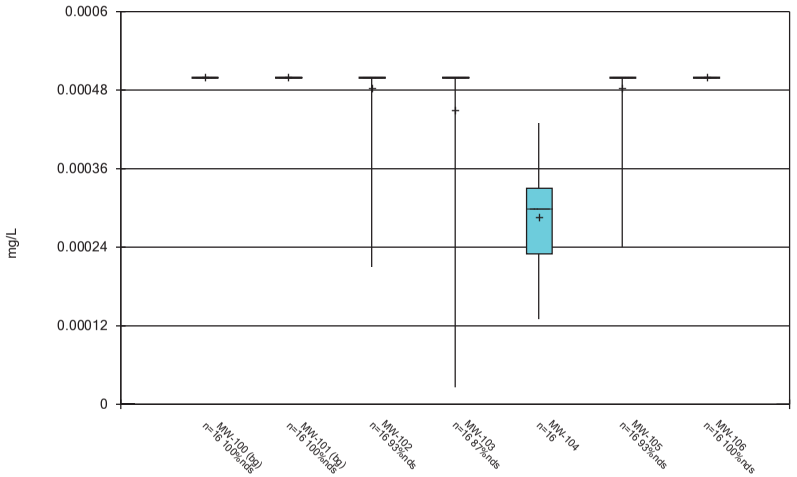
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

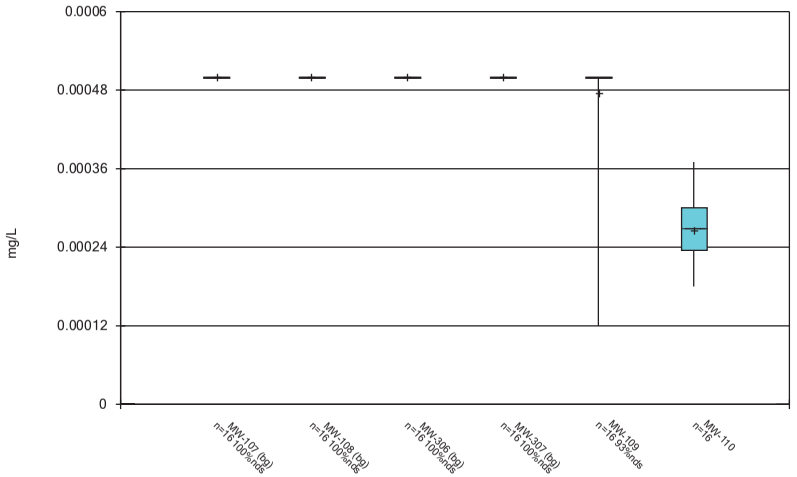
Box & Whiskers Plot



Constituent: Thallium Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

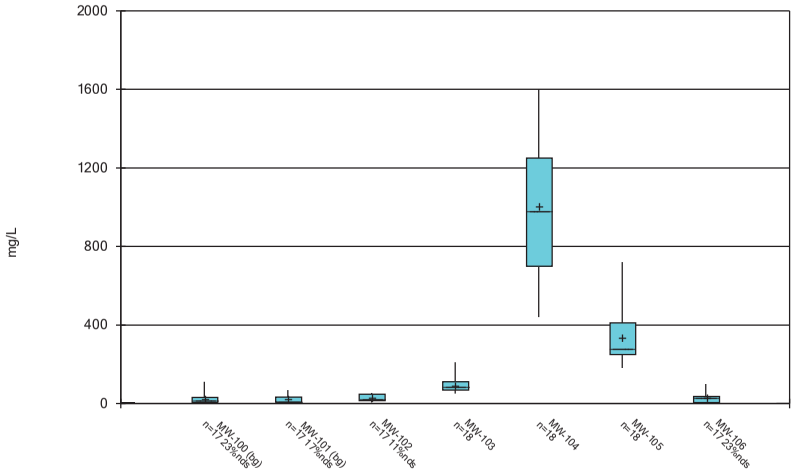
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Box & Whiskers Plot



Constituent: Thallium Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

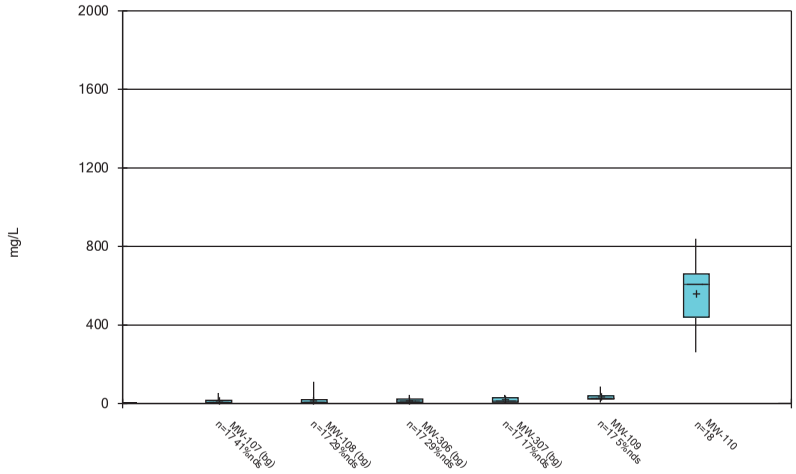
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

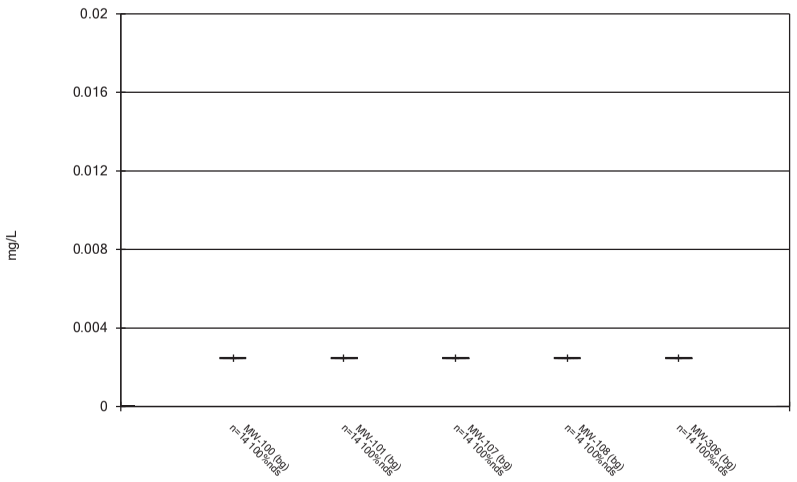
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:40 PM View: Descriptive - 100 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

200 Series

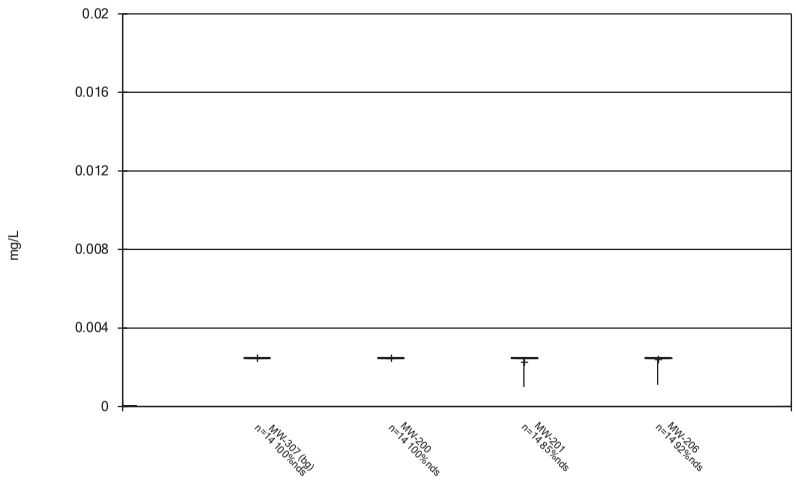
Box & Whiskers Plot



Constituent: Antimony Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

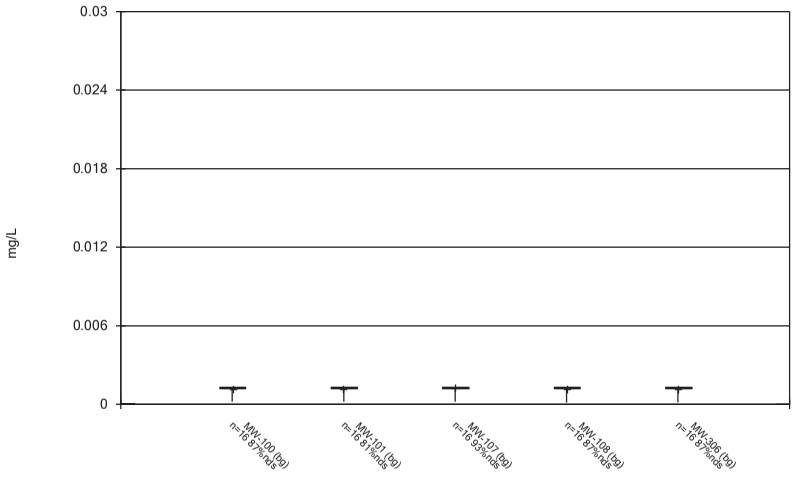
Box & Whiskers Plot



Constituent: Antimony Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

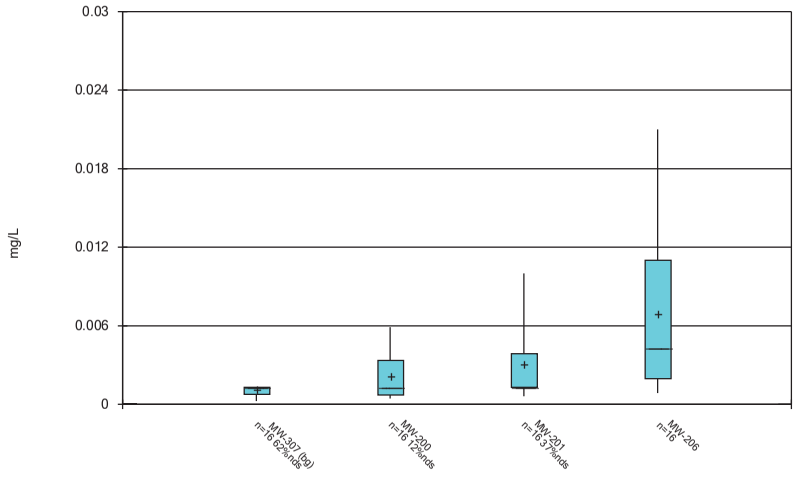
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

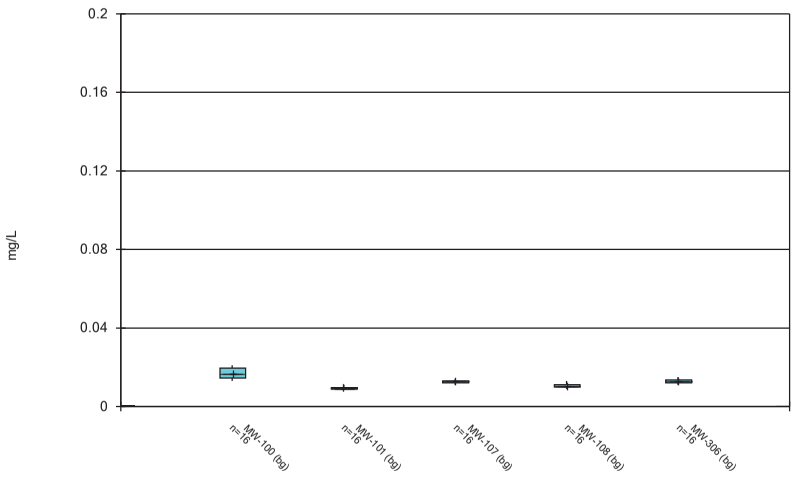
Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Arsenic Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

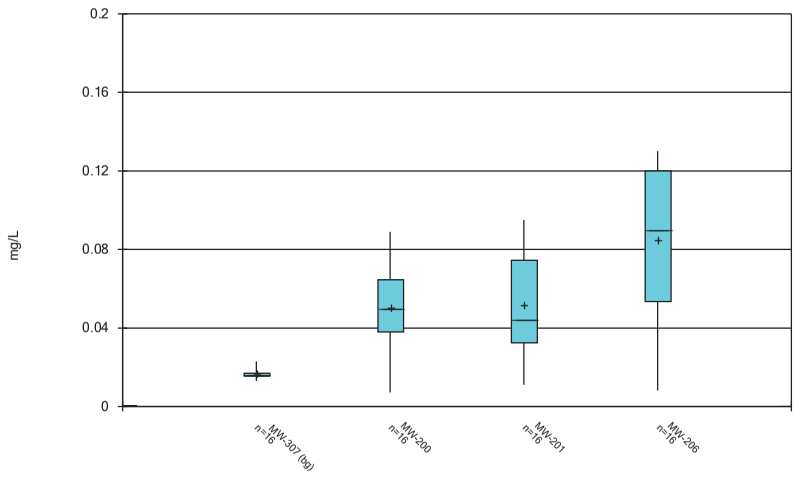
Box & Whiskers Plot



Constituent: Barium Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

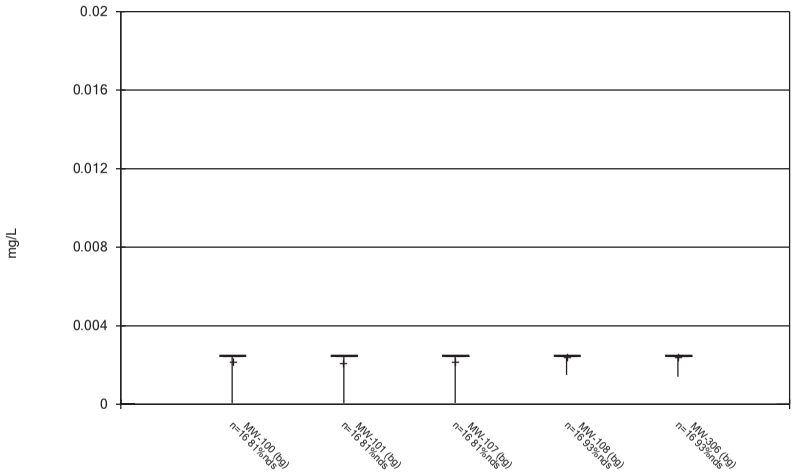
Box & Whiskers Plot



Constituent: Barium Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

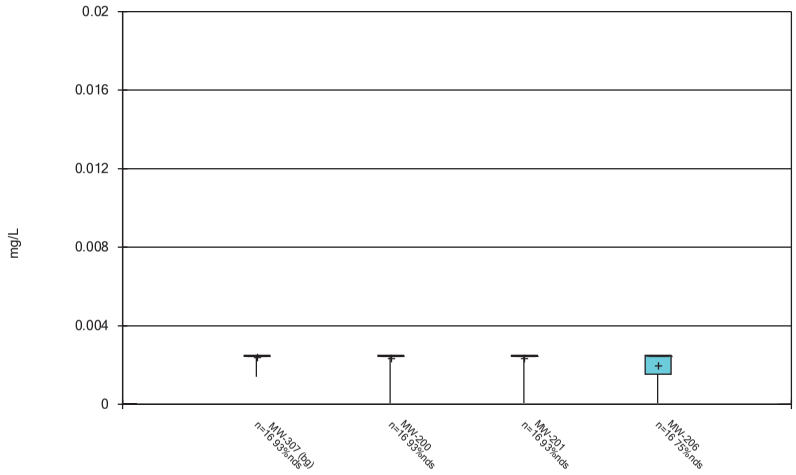
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

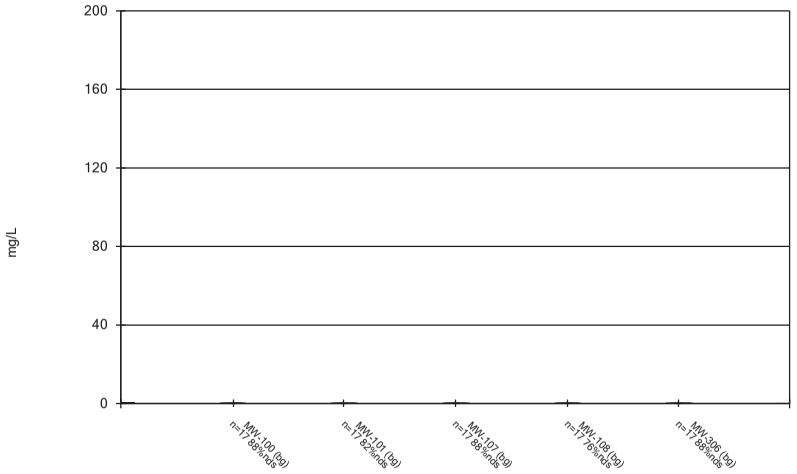
Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Beryllium Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

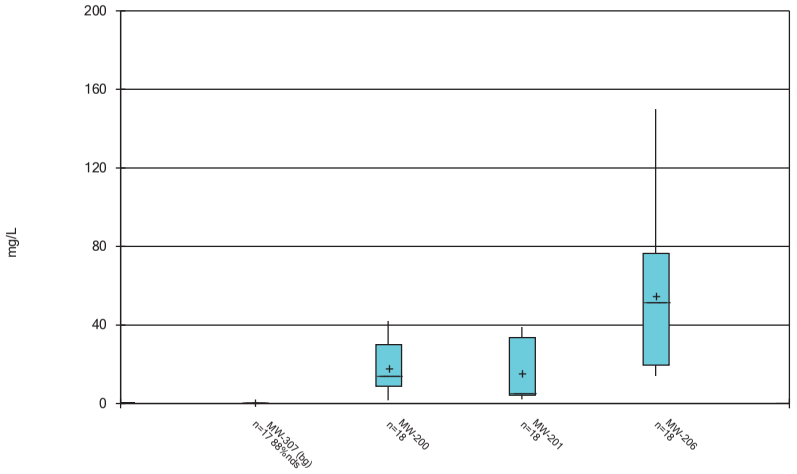
Box & Whiskers Plot



Constituent: Boron Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

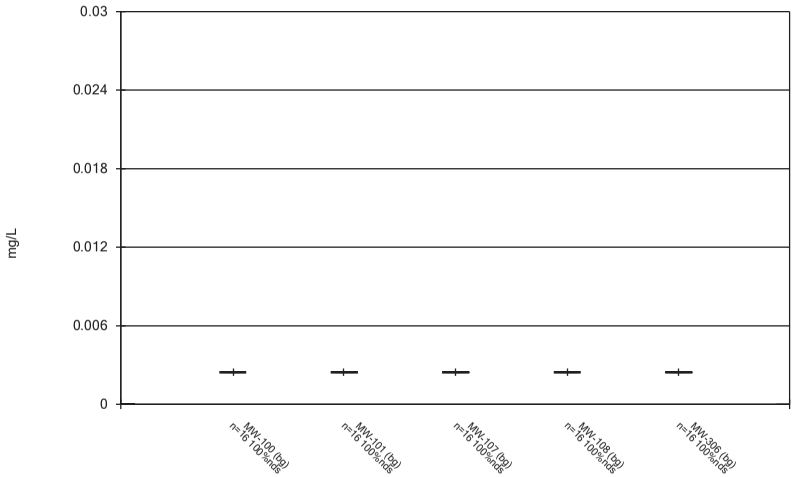
Box & Whiskers Plot



Constituent: Boron Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

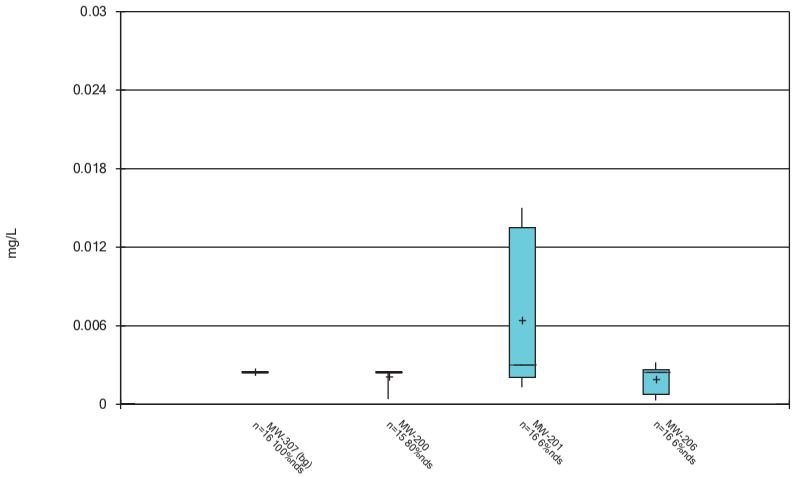
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

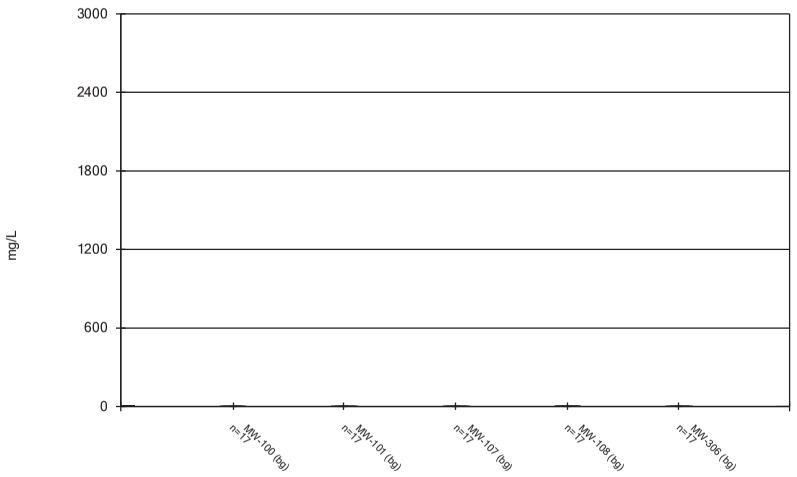
Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Cadmium Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

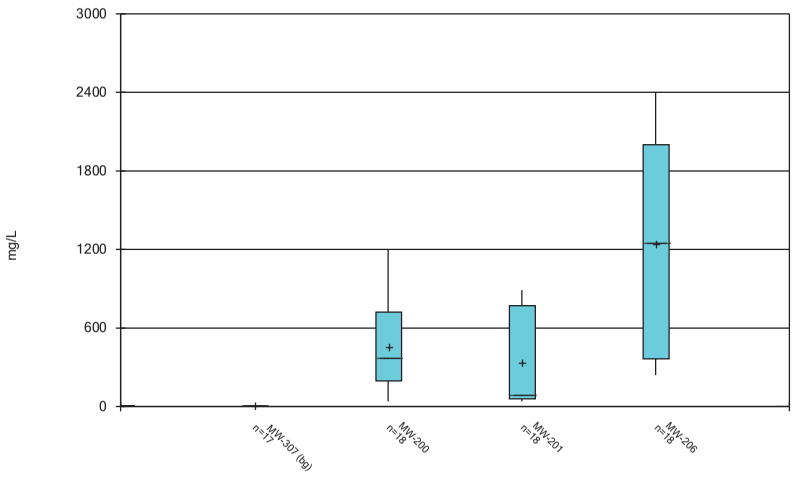
Box & Whiskers Plot



Constituent: Calcium Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

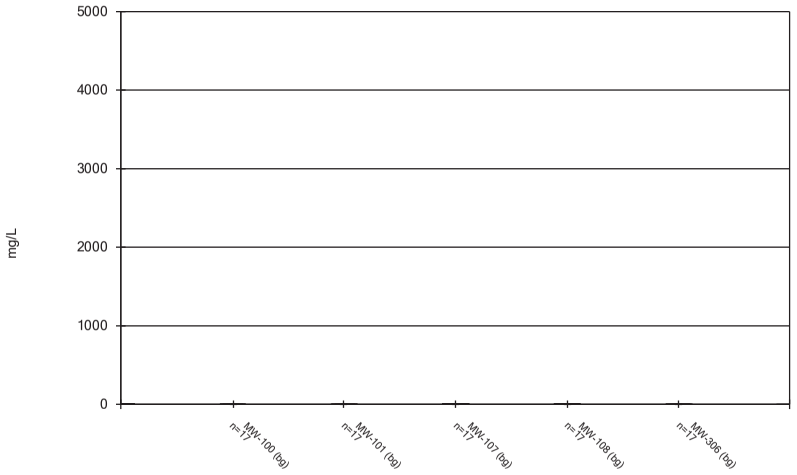
Box & Whiskers Plot



Constituent: Calcium Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

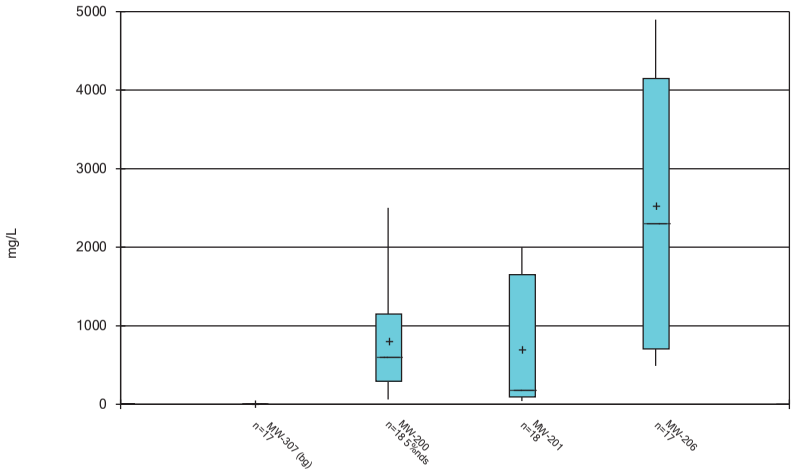
Box & Whiskers Plot



Constituent: Chloride Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

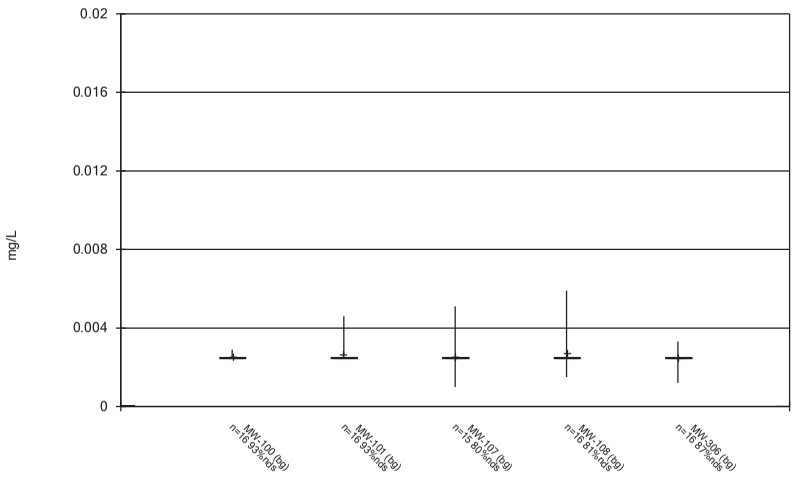
Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Chloride Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

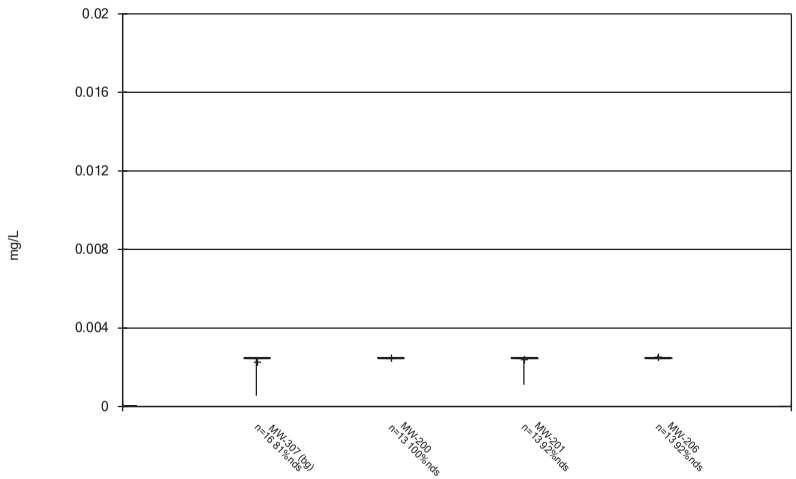
Box & Whiskers Plot



Constituent: Chromium Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

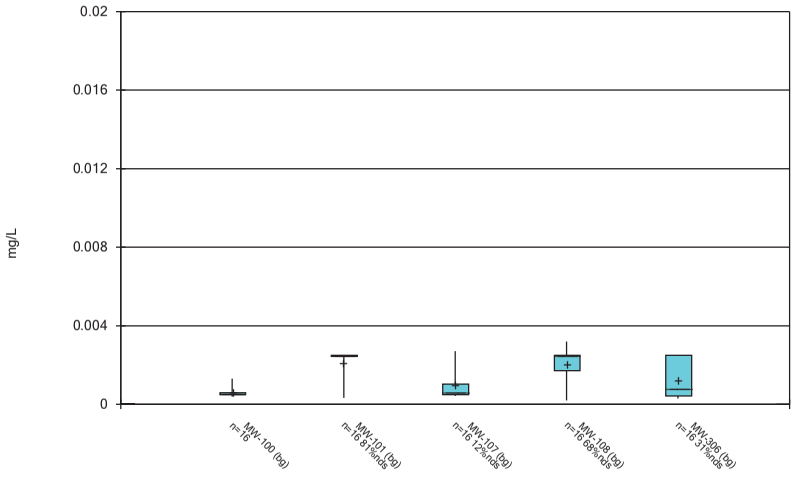
Box & Whiskers Plot



Constituent: Chromium Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

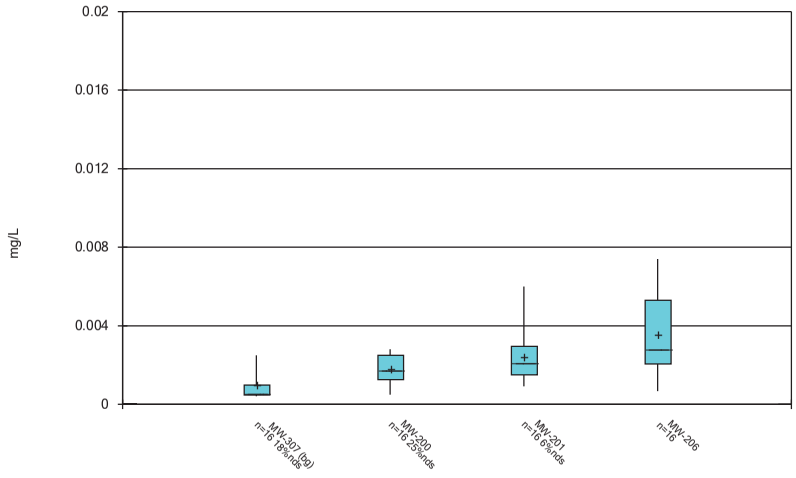
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

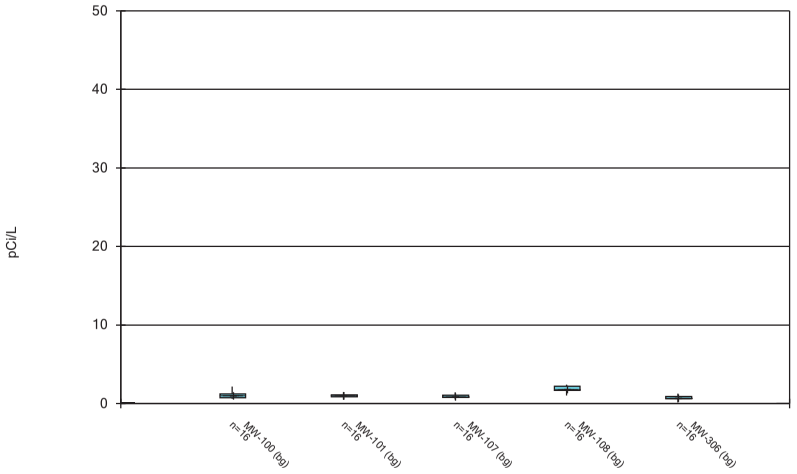
Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Cobalt Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

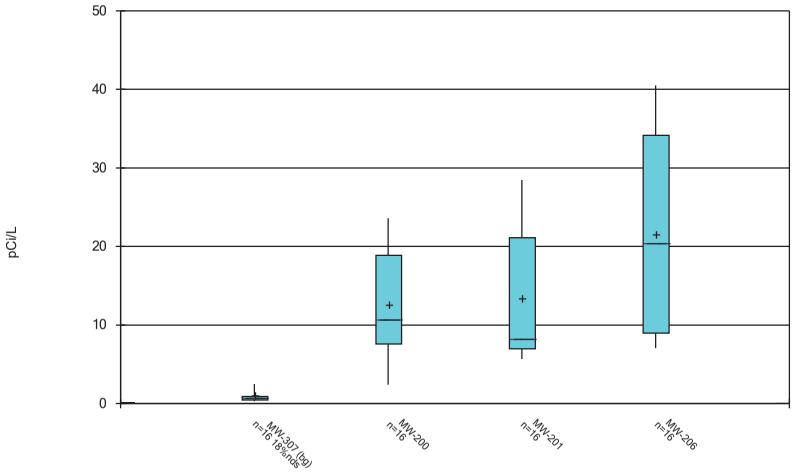
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

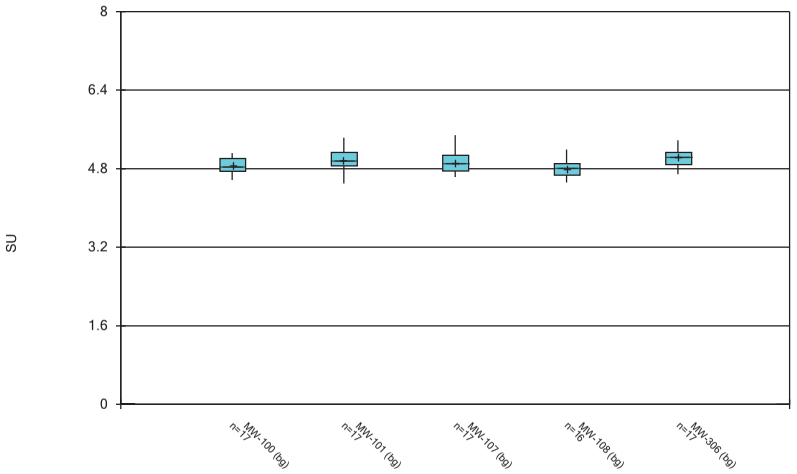
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

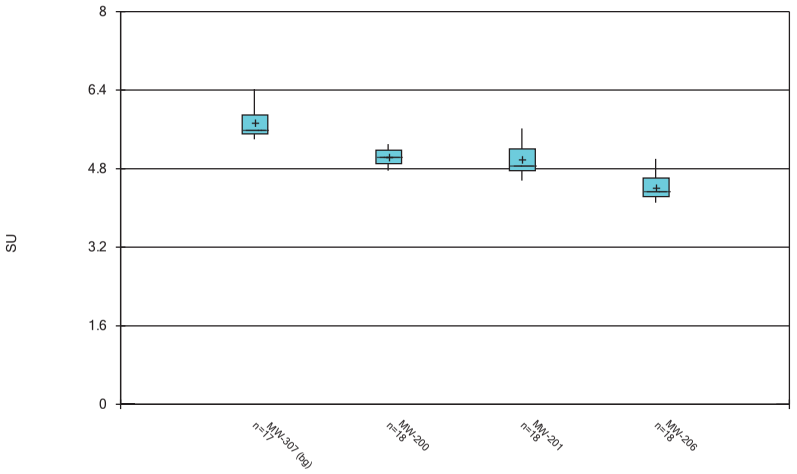
Box & Whiskers Plot



Constituent: Field pH Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

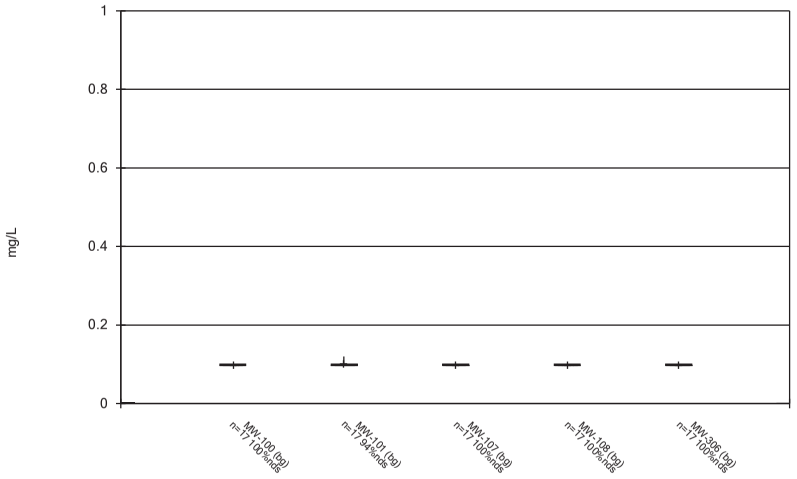
Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Field pH Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

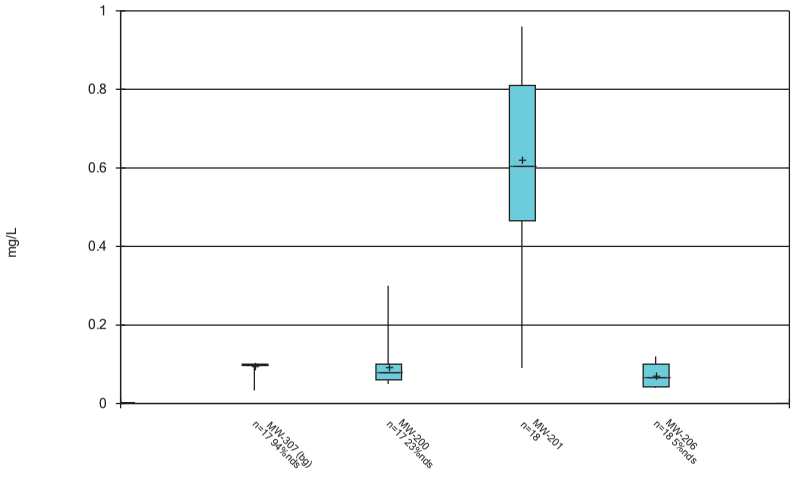
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

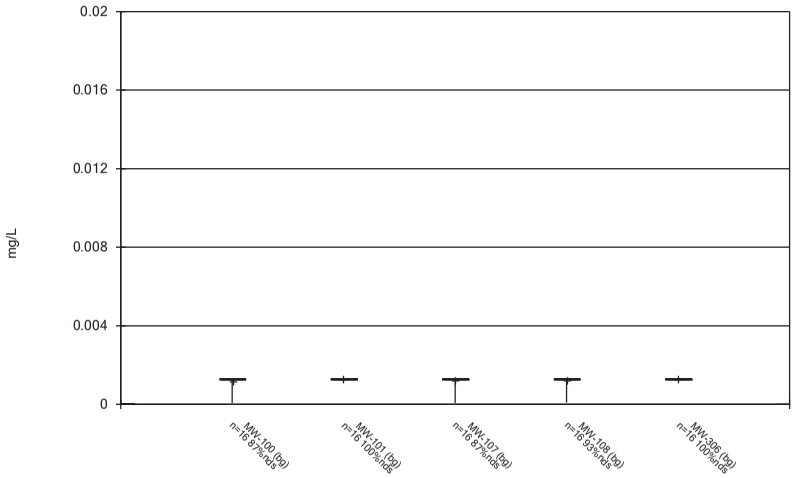
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

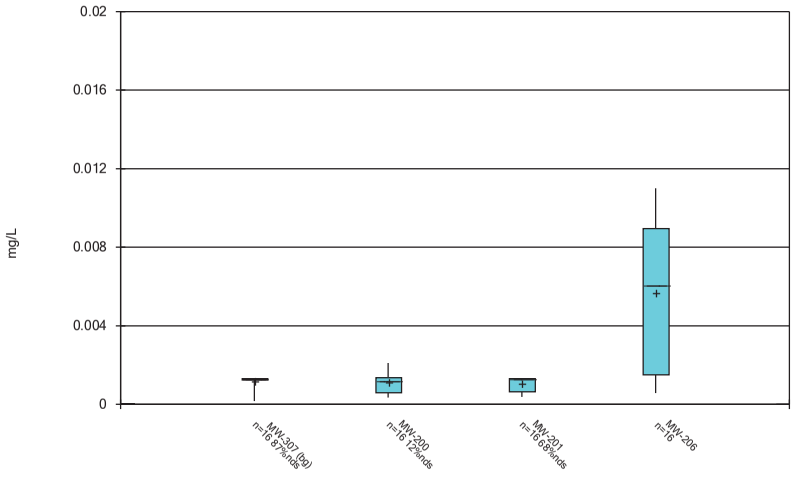
Box & Whiskers Plot



Constituent: Lead Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

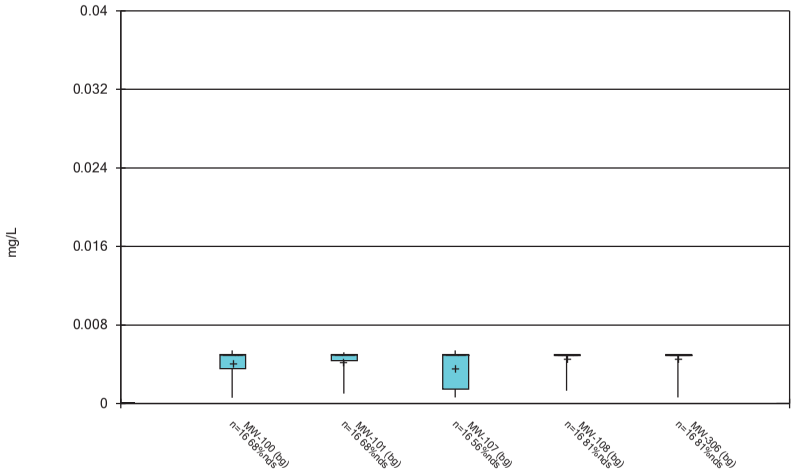
Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Lead Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

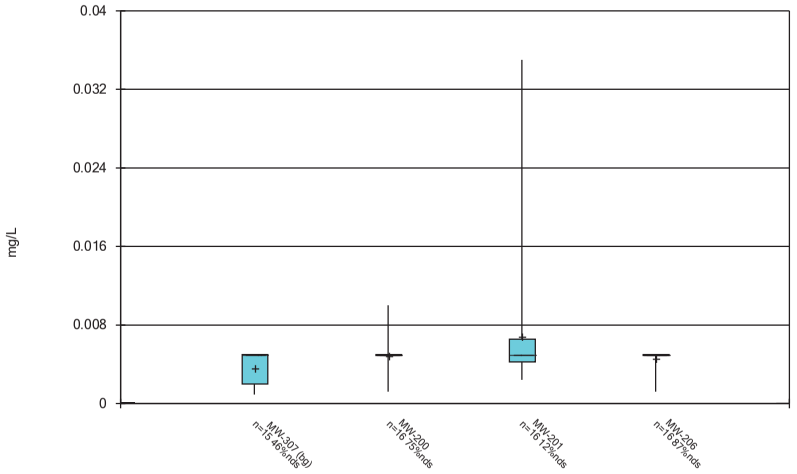
Box & Whiskers Plot



Constituent: Lithium Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

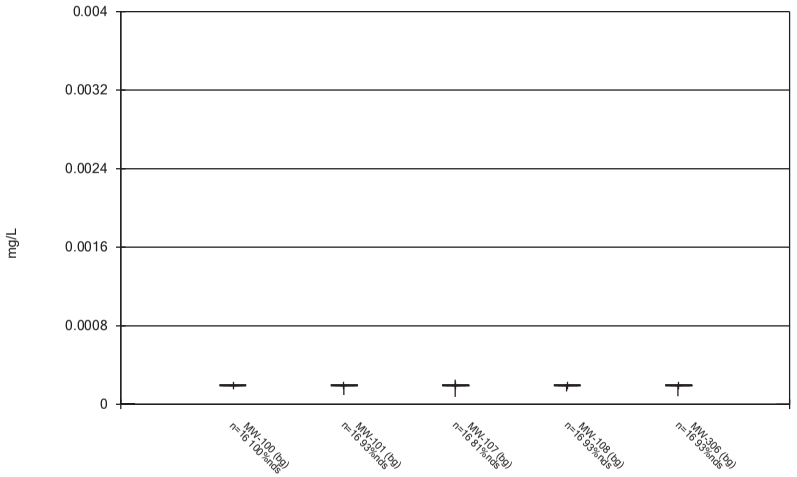
Box & Whiskers Plot



Constituent: Lithium Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

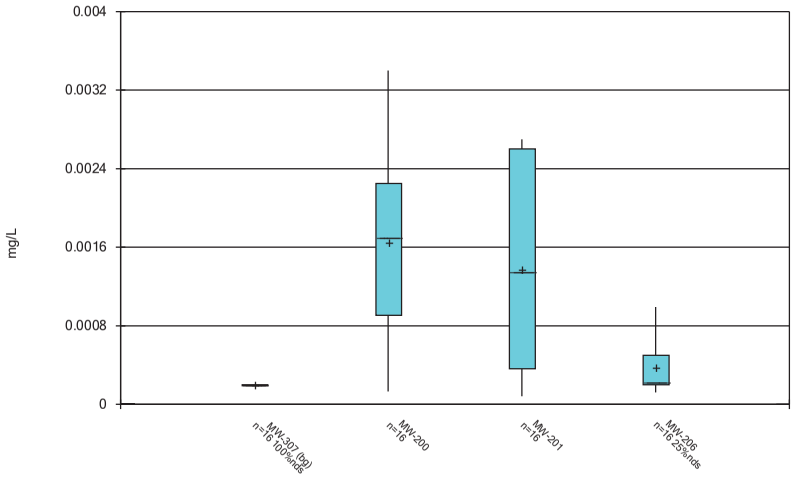
Box & Whiskers Plot



Constituent: Mercury Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

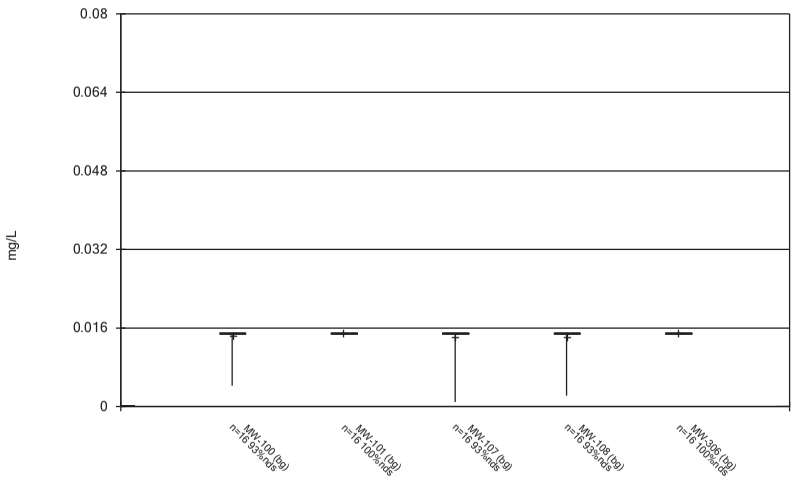
Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Mercury Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

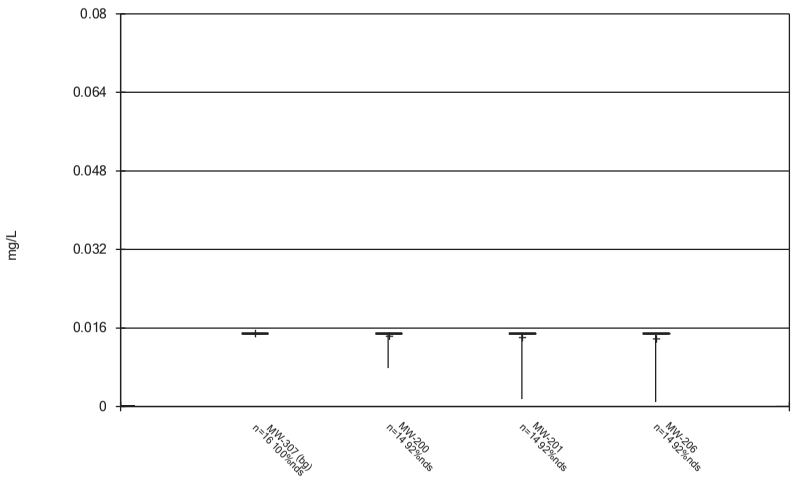
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

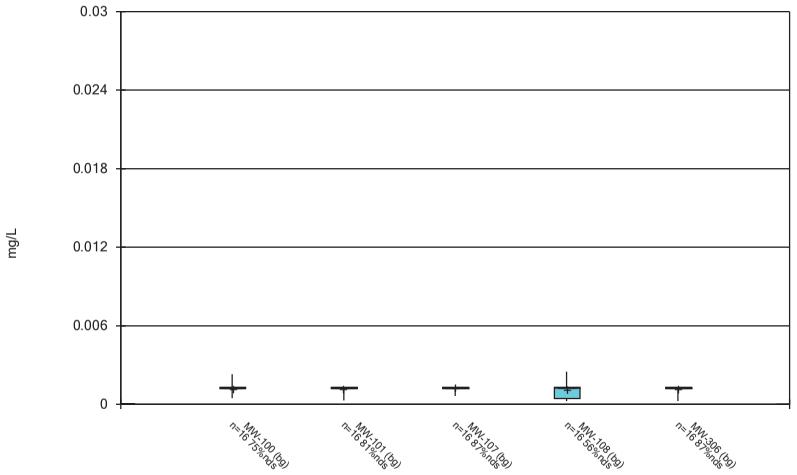
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

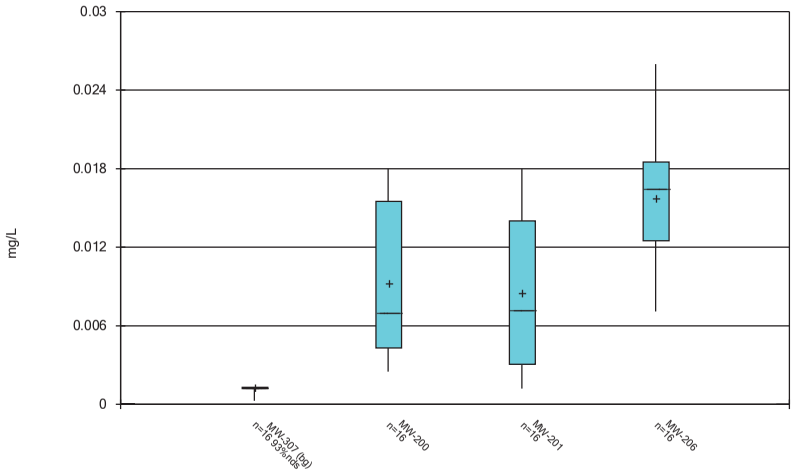
Box & Whiskers Plot



Constituent: Selenium Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

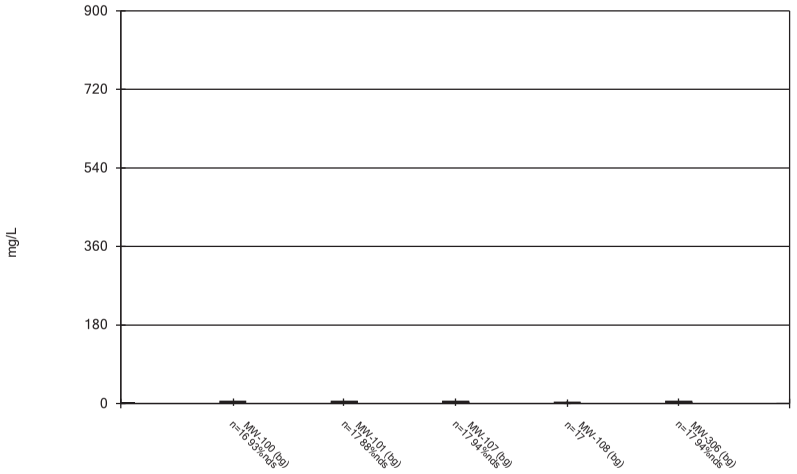
Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Selenium Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

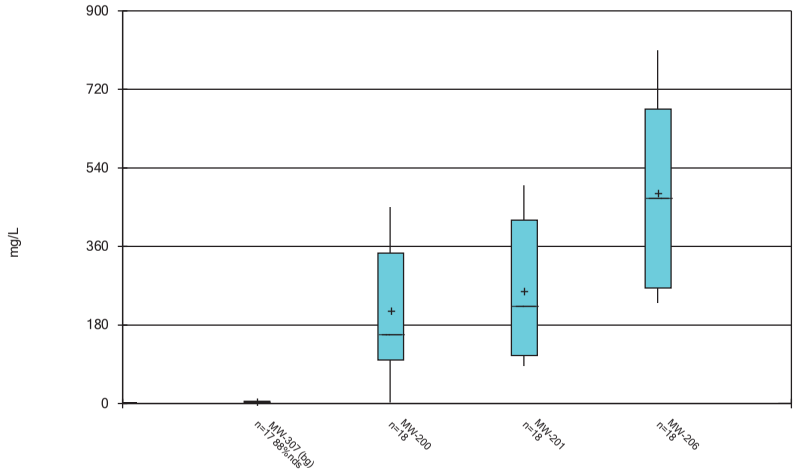
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

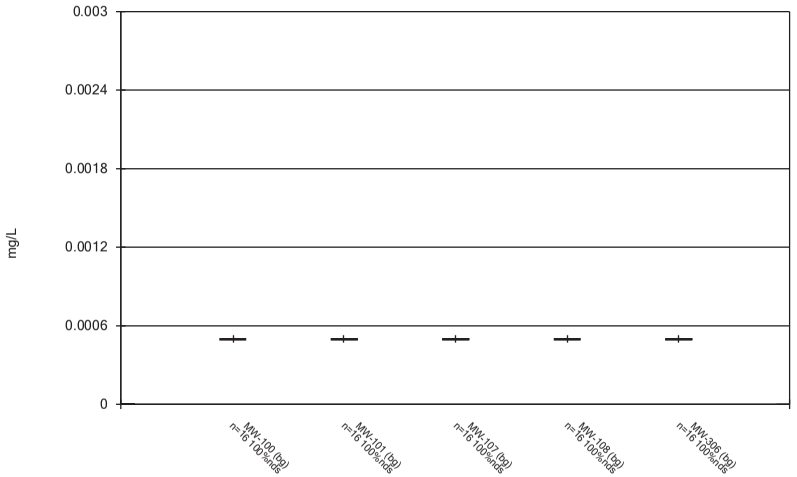
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

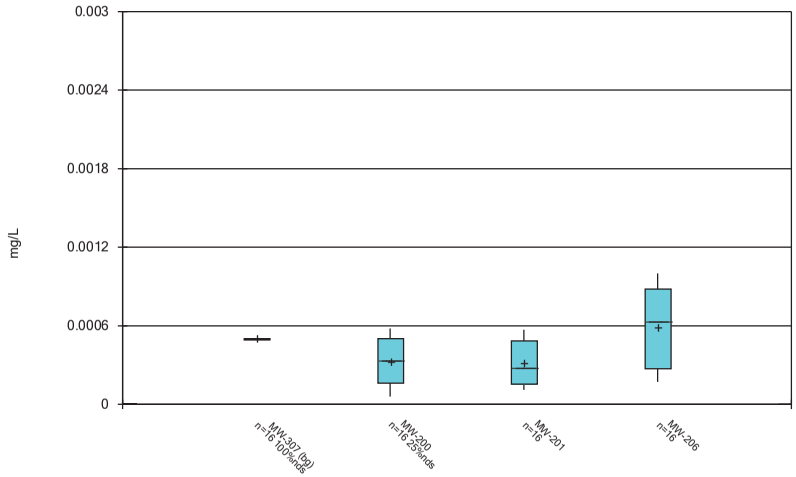
Box & Whiskers Plot



Constituent: Thallium Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

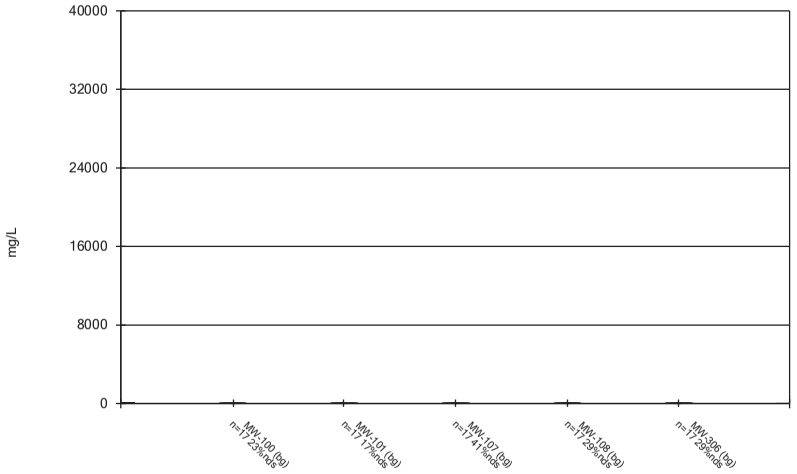
Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Thallium Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

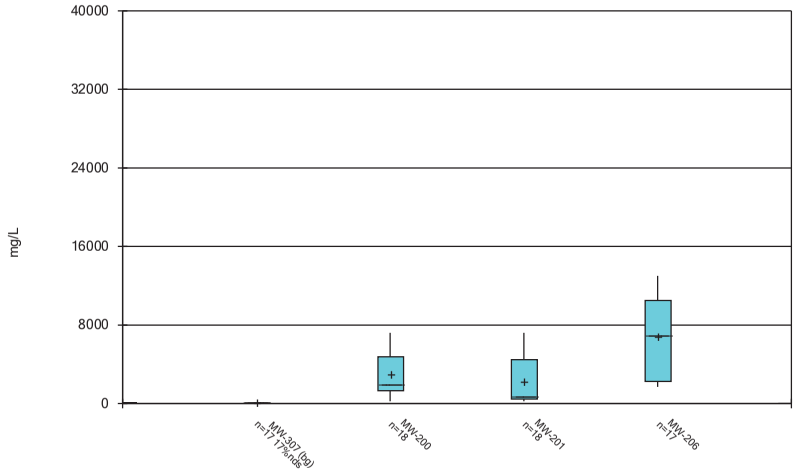
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

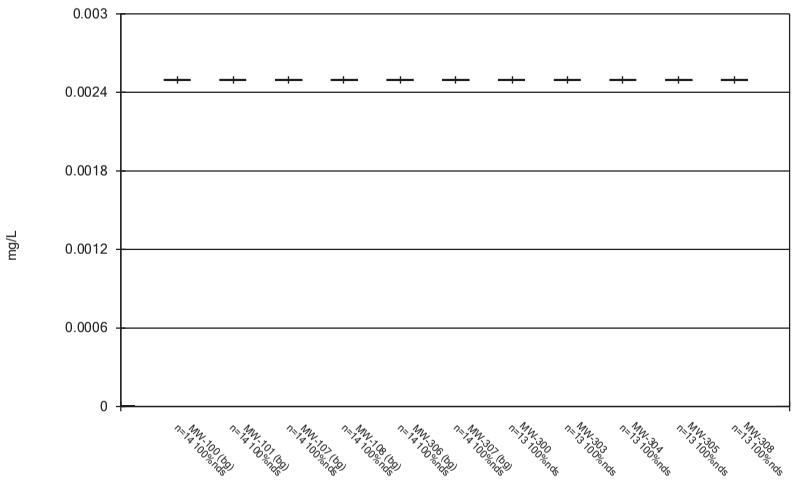
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:44 PM View: Descriptive - 200 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

300 Series

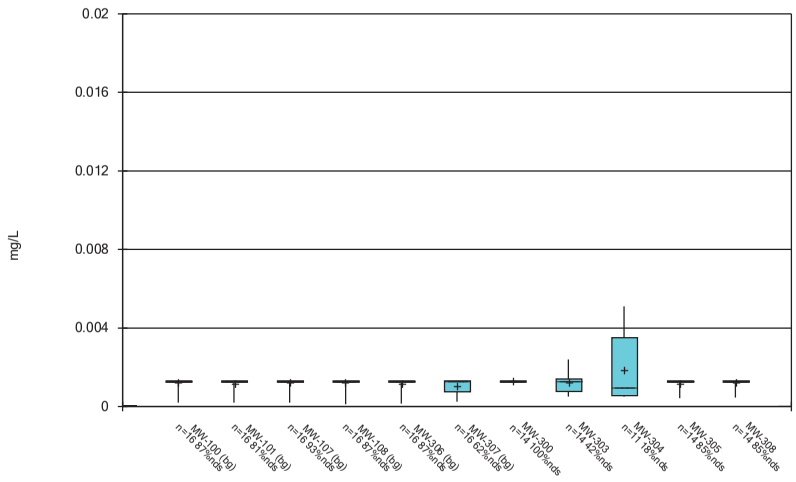
Box & Whiskers Plot



Constituent: Antimony Analysis Run 1/7/2021 5:49 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

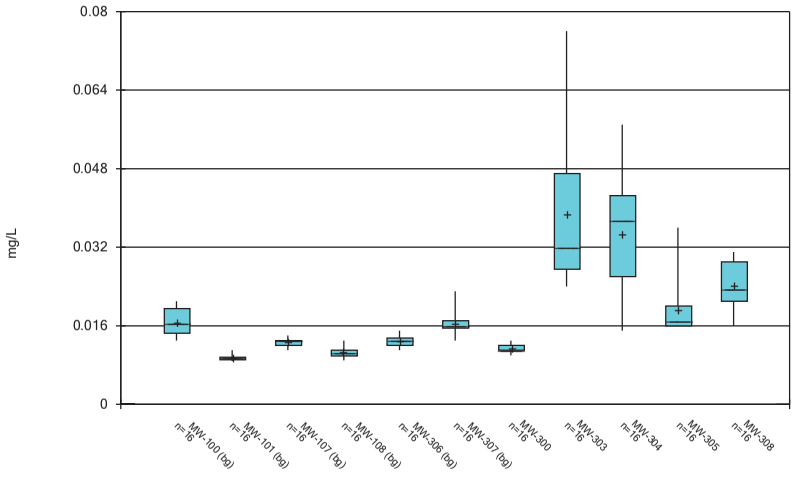
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 1/7/2021 5:49 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

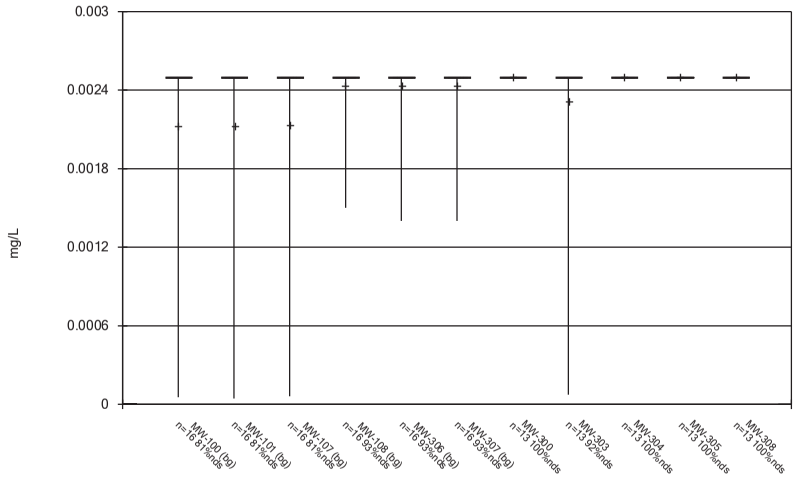
Box & Whiskers Plot



Constituent: Barium Analysis Run 1/7/2021 5:49 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

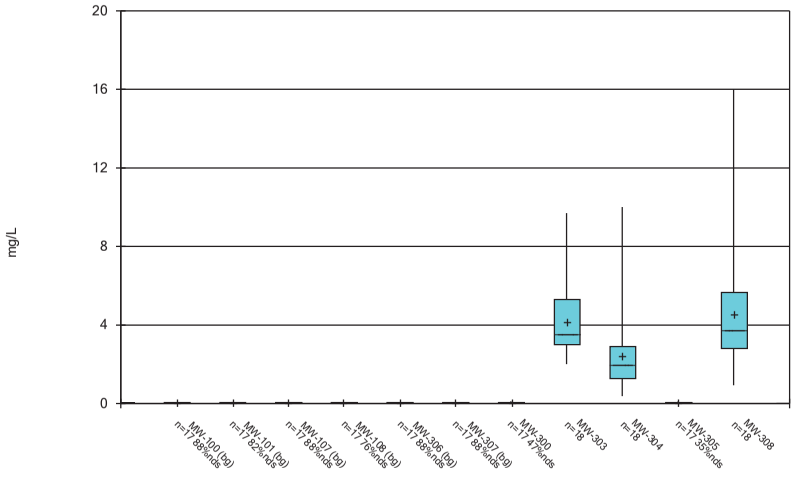
Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



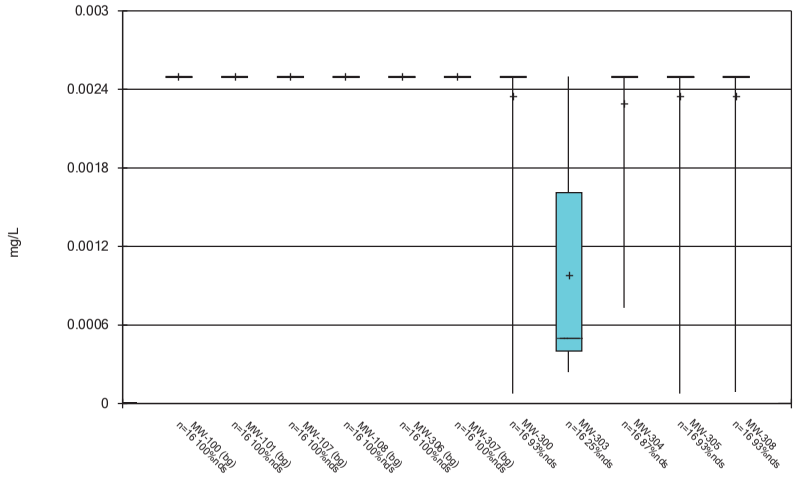
Constituent: Beryllium Analysis Run 1/7/2021 5:49 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Box & Whiskers Plot



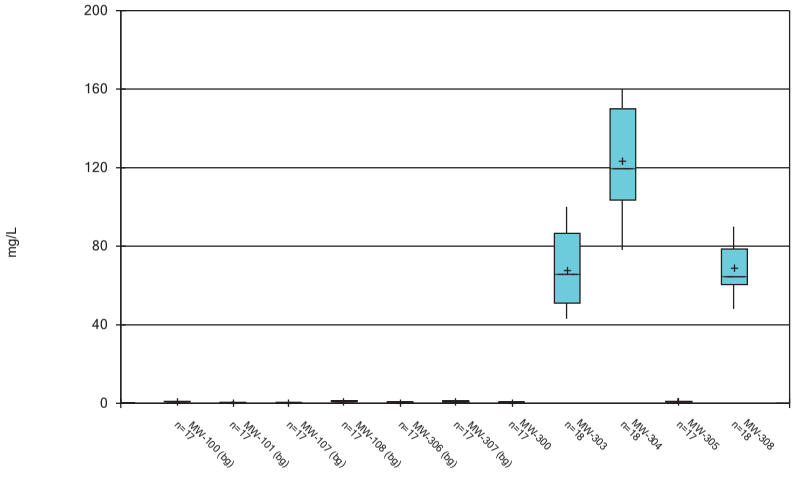
Constituent: Boron Analysis Run 1/7/2021 5:49 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Box & Whiskers Plot



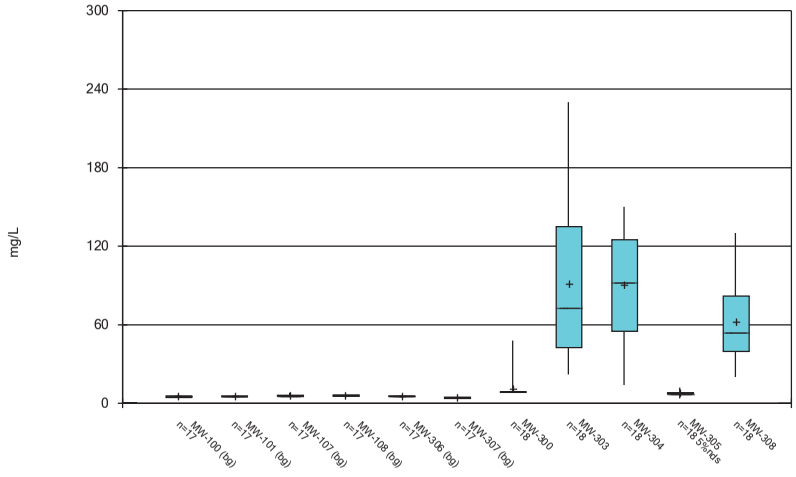
Constituent: Cadmium Analysis Run 1/7/2021 5:49 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Box & Whiskers Plot



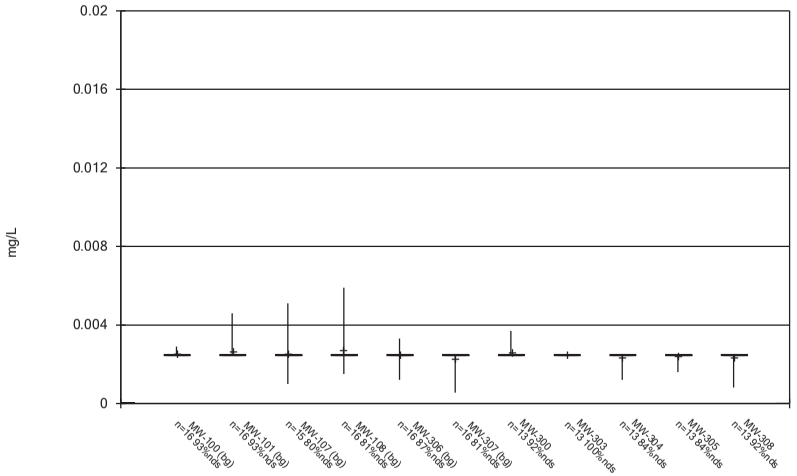
Constituent: Calcium Analysis Run 1/7/2021 5:49 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Box & Whiskers Plot



Constituent: Chloride Analysis Run 1/7/2021 5:49 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

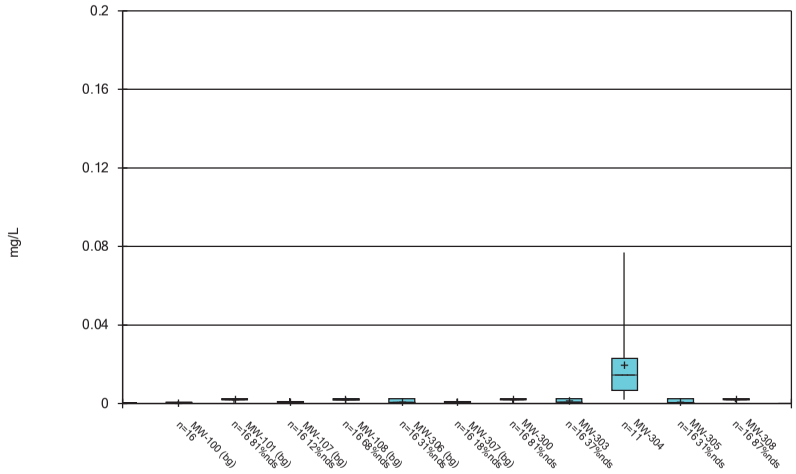
Box & Whiskers Plot



Constituent: Chromium Analysis Run 1/7/2021 5:49 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

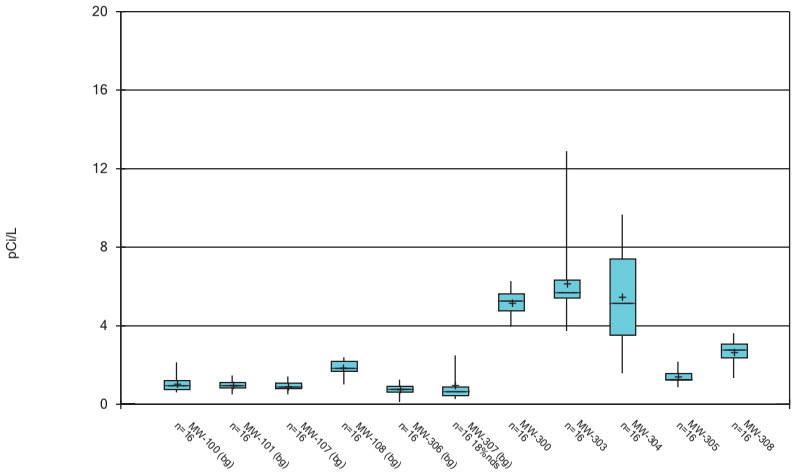
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 1/7/2021 5:49 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

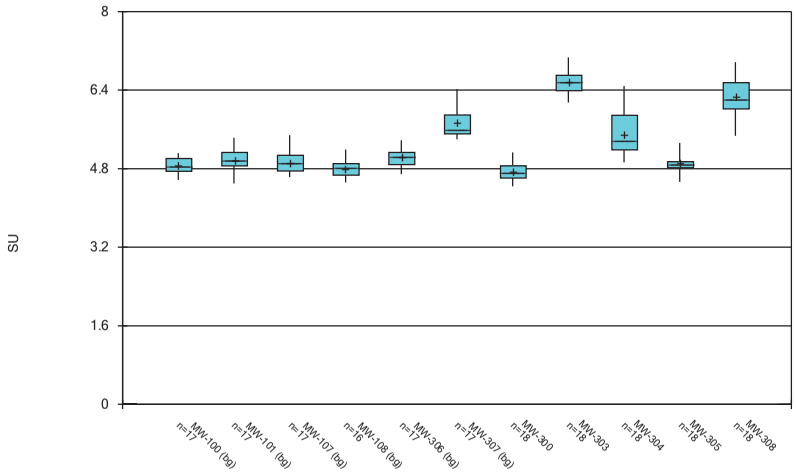
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 1/7/2021 5:49 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

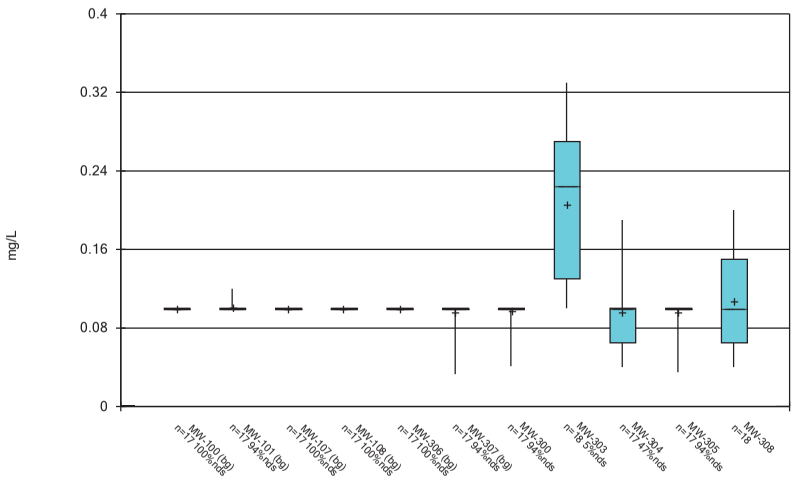
Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Field pH Analysis Run 1/7/2021 5:49 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

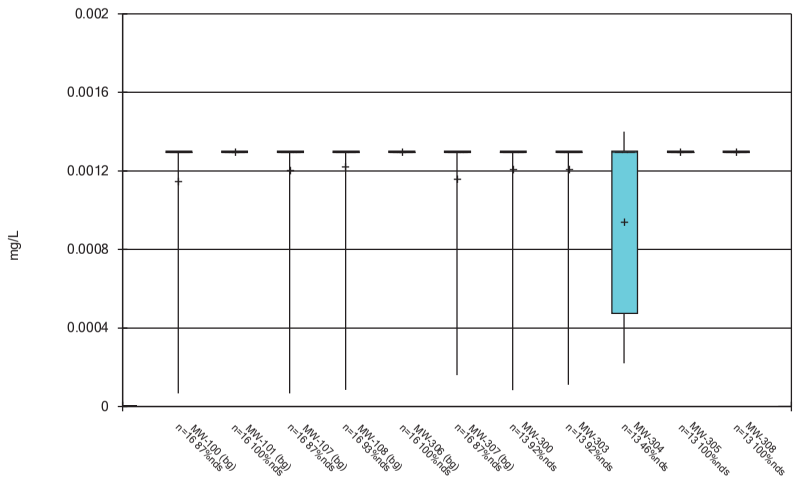
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 1/7/2021 5:49 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

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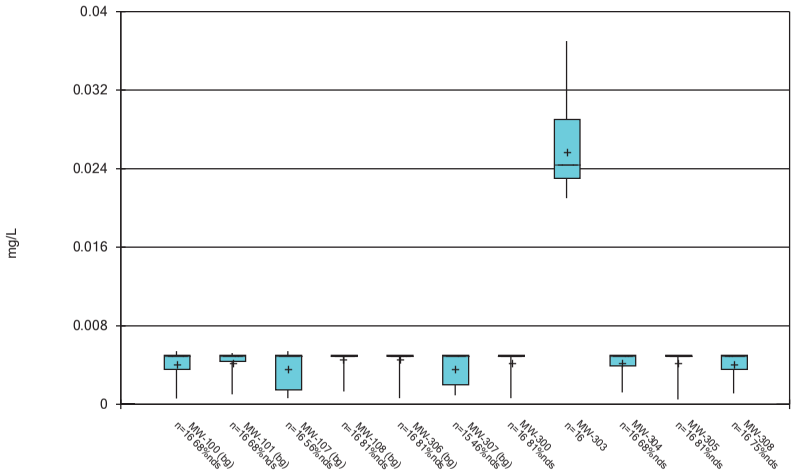
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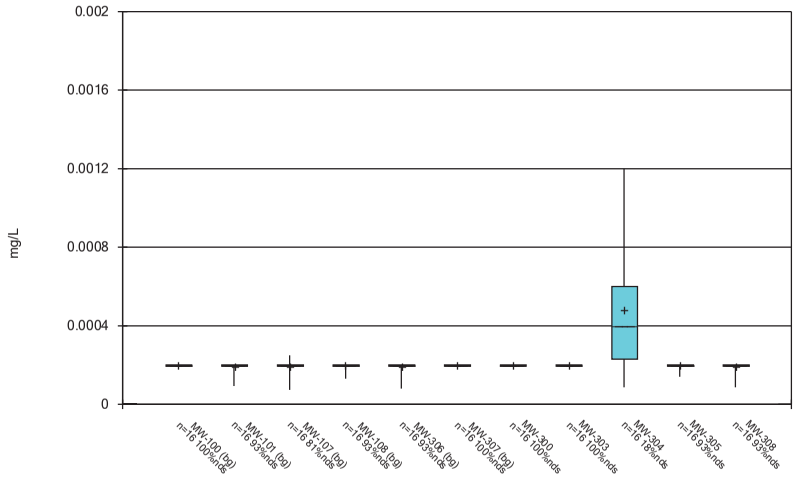
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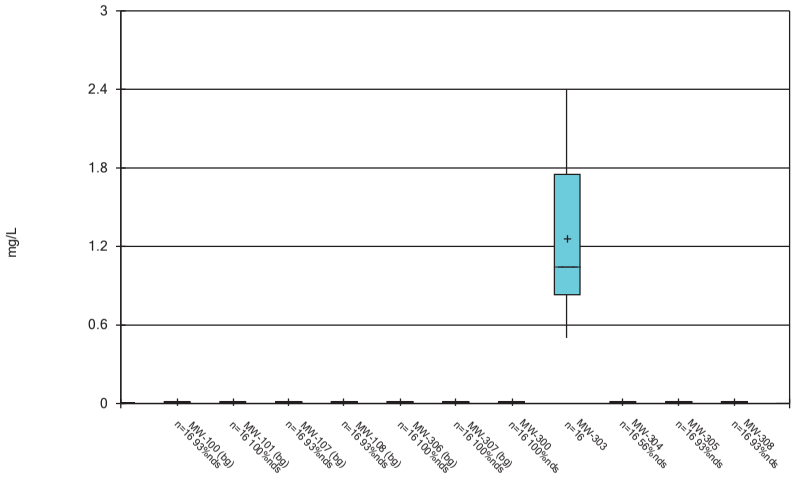
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Box & Whiskers Plot



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Plant Crist Client: Gulf Power Data: Plant Crist CCR

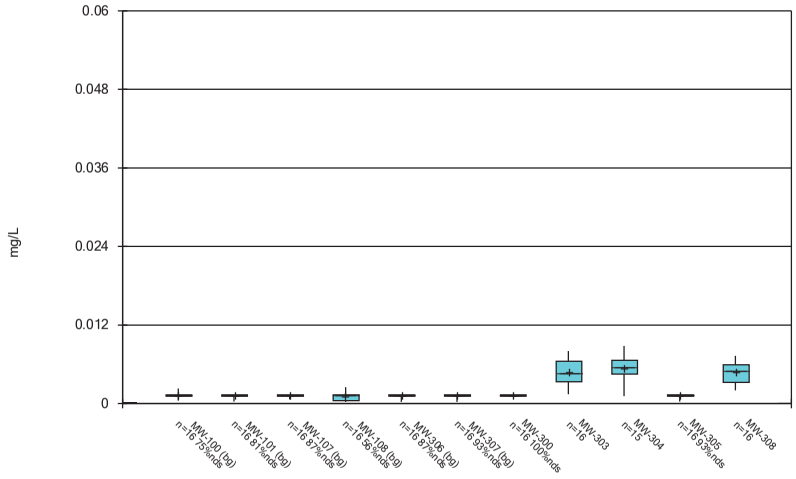
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 1/7/2021 5:49 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

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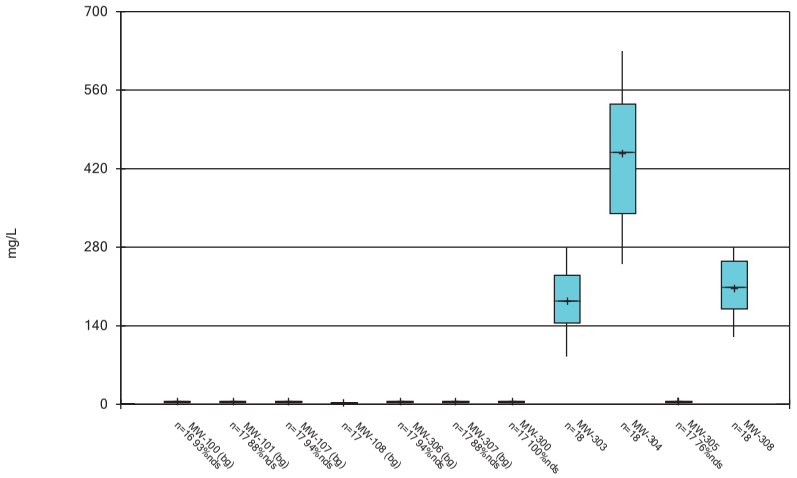
Box & Whiskers Plot



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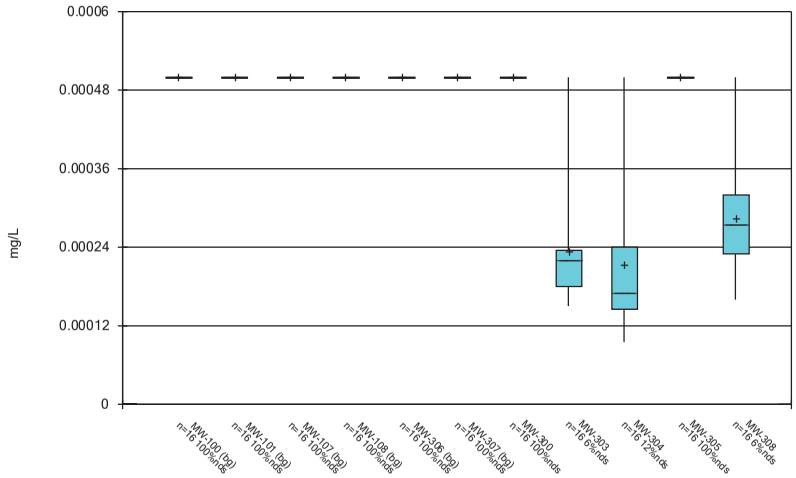
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 1/7/2021 5:49 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

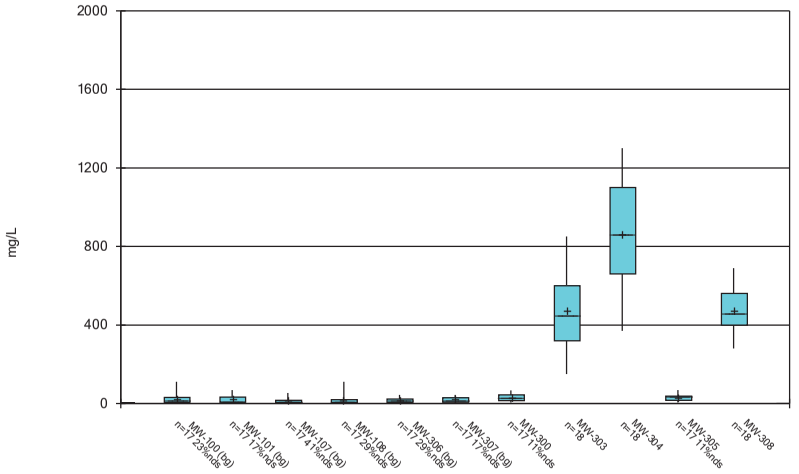
Sanitas™ v.9.6.27b Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Thallium Analysis Run 1/7/2021 5:49 PM View: Descriptive - 300 Series
Plant Crist Client: Gulf Power Data: Plant Crist CCR

Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 1/7/2021 5:49 PM View: Descriptive - 300 Series

Plant Crist Client: Gulf Power Data: Plant Crist CCR

APPENDIX E

Alternate Source Demonstration
Gypsum Storage Area

Geosyntec consultants

engineers | scientists | innovators

ALTERNATE SOURCE DEMONSTRATION

GYPSUM STORAGE AREA

Crist Generating Plant

Gulf Power Company

Escambia County, Florida

Prepared for

Gulf Power Company
One Energy Place
Pensacola, Florida 32520

Prepared by

Geosyntec Consultants, Inc.
1120 North 12th Avenue
Pensacola, Florida 32501

Project TXR0943

June 2020

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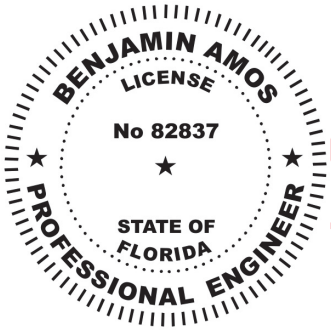
Appendix A Laboratory Analytical Reports – 2019 Field Investigation

Geosyntec
consultants

CERTIFICATION STATEMENT

Alternate Source Demonstration
Crist Generating Plant
Gypsum Storage Area
Escambia County, Florida
June 29, 2020

I, Benjamin K. Amos, a qualified professional engineer registered in the State of Florida, certify that the above document was prepared in general accordance with the requirements stipulated in 40 CFR 257.95(g)(3)(ii) and that the information contained herein is, to the best of my knowledge, accurate.



This document has been electronically signed and sealed by Benjamin Amos P.E. on 29 June 2020 using a SHA-1 authentication code. Printed copies of this document are not considered signed and sealed, and the SHA-1 authentication code must be verified on any electronic copies.
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Benjamin K. Amos, Ph.D., P.E.
Florida Professional Engineer No. 82837

Date

1. INTRODUCTION

On behalf of Gulf Power Company (Gulf Power), Geosyntec Consultants, Inc. (Geosyntec) prepared this alternate source demonstration (ASD) for total radium for the Gypsum Storage Area (GSA) Coal Combustion Residuals (CCR) unit at the Gulf Power Crist Generating Plant (Plant Crist) located in Escambia County, Florida (Site). This ASD has been prepared to meet the requirements of the United States Environmental Protection Agency's (USEPA's) CCR Rule, 40 CFR Part 257.95(g)(3)(ii) which states that the owner or operator may:

> *Demonstrate that a source other than the CCR unit caused the contamination, or that the statistically significant increase resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality. Any such demonstration must be supported by a report that includes the factual or evidentiary basis for any conclusions and must be certified to be accurate by a qualified professional engineer. If a successful demonstration is made, the owner or operator must continue monitoring in accordance with the assessment monitoring program pursuant to this section and may return to detection monitoring if the constituents in appendices III and IV to this part are at or below background as specified in paragraph (e) of this section. The owner or operator must also include the demonstration in the annual groundwater monitoring and corrective action report required by §257.90(e), in addition to the certification by a qualified professional engineer.*

1.1 Background

Pursuant to the CCR Rule, Gulf Power installed a groundwater monitoring system at the GSA CCR unit (**Figure 1**). As reported in the *2019 Annual Groundwater Monitoring and Corrective Action Report* (Geosyntec, 2020), statistical analysis of data collected from the groundwater monitoring system from February 2016 to June 2019 indicated exceedances of radium 226 and 228 combined (total radium) above the groundwater protection standard (GWPS) of 5 picocuries per liter (pCi/L) at the specified locations (99% confidence interval in parentheses):

- MW-200 (9.79 to 18.76 pCi/L); MW-201 (5.89 to 24.6 pCi/L); and MW-206 (16.21 to 33 pCi/L).

Following the identification of statistically significant level (SSLs), and pursuant to the CCR Rule, Gulf Power initiated an assessment of corrective measures (ACM) to characterize the nature and extent of total radium impacts in groundwater at the GSA and evaluate potential remedial alternatives.

To delineate the nature and extent of total radium, Gulf Power installed horizontal and vertical delineation piezometers in the vicinity of the GSA CCR unit (**Figure 2**) as documented in the *Assessment of Corrective Measures Report* (Geosyntec, 2019) and the *2019 Annual Groundwater Monitoring and Corrective Action Report* (Geosyntec, 2020). In 2019, samples to characterize nature and extent were collected from the GSA delineation wells and piezometers as described below:

- To delineate the horizontal and vertical extent of total radium at MW-200, samples were collected from PZ-200S and PZ-200D, respectively.
- To delineate the horizontal and vertical extent of total radium at MW-201, samples were collected from GSA-2S and PZ-201D, respectively.
- To delineate the horizontal and vertical extent of total radium at MW-206, samples were collected from GSA-2S and GE-1D, respectively.

As reported previously (Geosyntec, 2019; Geosyntec, 2020) results from delineation sampling indicate that delineation is complete in the vicinity of the GSA except at PZ-200S downgradient of MW-200. As of November 2019, the activity of total radium at PZ-200S ranged from 6.32 to 13.6 pCi/L.

1.2 Purpose

The purpose of this report is to evaluate (i) whether a naturally-occurring source of total radium is present in the subsurface beneath the GSA CCR unit and (ii) whether naturally-occurring source contributes to the elevated activity of total radium observed downgradient of the GSA CCR unit (i.e., natural variation in groundwater quality results in exceedances of the GWPS for total radium). In addition, the results presented in this demonstration were utilized to further evaluate the nature and extent of total radium downgradient of the GSA CCR unit.

2. ALTERNATE SOURCE DEMONSTRATION APPROACH

2.1 Overview

Gulf Power identified SSLs of total radium downgradient of the GSA CCR unit in monitoring wells MW-200, MW-201, and MW-206 (**Figure 1**). This report demonstrates that naturally-occurring sources of radionuclides contribute to the elevated activities of total radium observed downgradient of the GSA CCR unit, resulting exceedances of the GWPS for total radium.

The CCR Rule does not establish specific requirements for an ASD. However, appropriate guidance is contained in the *USEPA Solid Waste Disposal Facility Criteria Technical Manual* (USEPA, 1993) for municipal solid waste landfills. The approach to this ASD is modeled on USEPA, 1993 and relies on the following lines of evidence:

- Analysis of radionuclides in soils at the Site;
- Leaching of radionuclides from soils at the Site using Site groundwater; and
- Analysis of radionuclides in groundwater at the Site.

A brief description of the components of this ASD is presented below. A detailed analysis of data is presented in Section 3.

2.2 Analysis of Soils

Site soils were evaluated for the presence of the following naturally-occurring constituents: uranium, thorium, and total radium (collectively referenced herein as radionuclides).

The decay of parent radionuclides, such as uranium-238 and thorium-232, results in the formation of daughter radionuclides including radium-226 and radium-228, respectively. Therefore, this evaluation focused on identifying the presence of parent radionuclides (i.e., uranium and thorium). The presence of uranium and/or thorium in Site soils would indicate the potential for naturally-occurring sources of total radium that could contribute to elevated activities of total radium observed in groundwater downgradient of the GSA CCR unit.

2.3 Leaching of Total Radium from Site Soils

Leaching tests were performed to evaluate the potential for naturally-occurring radionuclides (uranium, thorium, and total radium) to be released from Site soils when in contact with Site groundwater.

The presence of naturally-occurring radionuclides in laboratory leachate generated by mixing Site soils and groundwater would indicate *in situ* interactions between Site soils

and groundwater could result in the release of naturally-occurring radionuclides from Site soil to groundwater. In addition, if parent radionuclides were released to groundwater, decay of those parent radionuclides could result in activities of daughter radionuclides, such as total radium, in downgradient groundwater.

2.4 Analysis of Groundwater

Groundwater samples were evaluated for spatial trends in activities of total radium, the ratio of radium-226 to radium-228, and correlations between select water quality characteristics and total radium activities. The purpose of these evaluations was as follows:

- A naturally-occurring source of total radium would be indicated by the presence of elevated activities of total radium throughout Site groundwater regardless of hydraulic connectivity to a CCR unit. A localized source, such as the GSA CCR unit, however, would be indicated by the presence of elevated activities of total radium only in monitoring wells downgradient of the localized source and the absence of elevated activities of total radium in monitoring wells that are hydraulically disconnected or upgradient from the localized source.
- If total radium present in groundwater is mobilized from natural sources in Site soils, the ratio of radium-226 to radium-228 in groundwater would generally correlate with the ratio of their parent nuclides (i.e., uranium and thorium, respectively) in Site soils.
- The presence of a correlation between water quality parameters and total radium activity in groundwater could indicate potential mechanisms of release of naturally-occurring radium. One potential mechanism of release is the desorption of radium from soils and/or sediments when in contact with groundwater with high total dissolved solids (TDS), chloride (Miller and Sutcliffe, 1985) and/or salinity (Hughes, 2016)) as hypothesized in the literature.

3. ALTERNATE SOURCE DEMONSTRATION

3.1 Overview

This ASD demonstrates that the elevated activities of total radium observed downgradient of the GSA CCR unit are, in part, due to the presence of naturally-occurring radioactive materials present in Site soils. This section presents a description of field events and associated results to evaluate the three lines of evidence presented in Section 2.1.

In 1998, Gulf Power conducted a study to evaluate elevated levels of total radium in groundwater monitoring wells at Plant Crist. The objective of the study was to assess the potential source of elevated total radium activities in two wells downgradient of a stormwater pond. As a part of the study, Gulf Power performed: (i) an analysis of native soils; and (ii) leaching tests on native soils. The results of the investigation were presented in the 1998 report prepared by LBG-Guyton titled "*Investigation of Potential Sources of Elevated Radiological Activity in Two Monitoring Wells at Crist Electric Plant, James F. Crist Generating Plant*" (LBG-Guyton, 1998). The LBG-Guyton report was submitted to the Florida Department of Environment Protection (FDEP), and FDEP subsequently concurred that naturally-occurring radionuclides are present in Site soils in a letter memorandum dated February 22, 1999 (FDEP, 1999).

In 2019, Gulf Power conducted a second study (as reported herein) to evaluate elevated levels of total radium in monitoring wells downgradient of the GSA CCR unit. The study involved: (i) the collection of native soils upgradient/side-gradient of the GSA CCR unit and analyses for radionuclides; (ii) leaching tests for radionuclides on native soils collected from new and existing soil samples; and (iii) analysis of radionuclides in groundwater around the GSA CCR unit. Laboratory reports from the 2019 field investigation are presented in **Appendix A**.

The results of both sets of studies are summarized herein.

3.2 Analysis of Soils

In 1998, sixty-three samples of native soils were collected from around the Site and analyzed for uranium and thorium. Details of samples collected, and analyses performed were presented in LBG-Guyton, 1998. Conclusions of the 1998 study indicate the presence of naturally-occurring radionuclides including uranium and thorium in Site soils. As referenced above, FDEP concurred with the study. Key findings include:

- Uranium was present in Site soils up to a maximum concentration of 33.3 parts per million (ppm). Statistical hypothesis testing performed by LBG-Guyton, 1998 indicate that the median uranium concentration in Site sediments is greater than 4.5 ppm; and

- Thorium was present in Site soils up to a maximum concentration of 44 ppm. Statistical hypothesis testing performed by LBG-Guyton, 1998 indicate that the median thorium concentration in Site sediments is greater than 13 ppm.

In 2019, soil samples were collected using direct push technology (DPT) from two locations upgradient/side-gradient of the GSA CCR unit (DPT-01 and DPT-02; **Figure 3**). Additionally, soil samples from two existing wells (APT-04S and APT-05S) in the vicinity of MW-200 were collected from archived cores stored at Plant Crist's climate-controlled warehouse. Laboratory analysis of samples for uranium and thorium indicated:

- Uranium was detected in soil samples collected adjacent to the GSA CCR unit in concentrations ranging from approximately 0.3 to 0.9 milligrams per kilogram (mg/kg).
- Thorium is present in soil samples collected around the GSA CCR unit in concentrations ranging from 1.7 to 5.1 mg/kg.

Results of the 2019 study (**Table 1**) are generally consistent with the conclusions of the 1998 study (which received FDEP concurrence) and indicate that soils near the GSA CCR unit contain naturally-occurring radionuclides. The presence of uranium and thorium indicate the potential for a naturally-occurring source of total radium in soil that may contribute to elevated activities of total radium observed in groundwater around the GSA CCR unit.

3.3 Leaching of Total Radium from Site Soils

In 1998, leaching tests on Site soils were conducted with laboratory grade deionized (DI) water as well as with Site water collected from the stormwater pond (LBG-Guyton, 1998). The study included leaching tests with unaltered Site water (i.e., baseline tests) and with Site water with adjusted pH. Results of the baseline leaching tests are summarized in **Table 2** and revealed that:

- With pure (i.e., 100%) Site water from the stormwater pond, total radium was leached from Site soils at an activity of 18.2 pCi/L.
- With a mixture of 1% Site water from the stormwater pond and 99% DI water, total radium was leached from Site soils at activities ranging from 8.0 to 16.3 pCi/L.
- With DI water, total radium was leached from Site soils at activities up to 15.8 pCi/L.

These concentrations are appreciably higher than the total radium activities observed in the pre-leach solutions, indicating that the soils contained naturally-occurring radionuclides.

In 2019, DPT soil samples (DPT-01 and DPT-02) and soil cores from existing wells (APT-04S and APT-05S) were leached with DI water and Site water collected from MW-205. Laboratory analysis of post-leaching water samples are summarized in **Table 2** and indicate that:

- With Site water from MW-205, total radium was leached from Site soils at activities ranging from 7.7 to 15.3 pCi/L.
- With DI water, total radium was leached from Site soils at activities up to 5.3 pCi/L.

These concentrations are appreciably higher than the total radium activities observed in the pre-leach solutions, indicating that the soils contained naturally-occurring radionuclides.

The results of the 2019 leaching tests were found to be generally consistent with the 1998 study and indicate that radium can be leached from Site soils in excess of the total radium GWPS of 5 pCi/L.

Based on the leaching tests conducted with pure (i.e., 100%) Site water in 1998 and 2019, the natural source contribution of total radium in post-leaching water samples (i.e., contributions solely from soil samples) was estimated to be between 2.9 and 16.1 pCi/L (**Table 2**).

3.4 Analysis of Groundwater

Analysis of groundwater samples collected from groundwater monitoring wells and DPT locations in 2019 in the vicinity of the GSA CCR unit indicate the presence of total radium activities above the GWPS at locations that are hydraulically disconnected from the GSA CCR unit (i.e., upgradient and/or side-gradient). Results of groundwater analyses show that:

- Activities of total radium in samples collected in 2019 from wells upgradient of the GSA CCR unit (MW-203 and MW-204) range from 5.87 to 12.5 pCi/L (Geosyntec, 2020);
- Activities of total radium in DPT groundwater samples side-gradient of the GSA CCR unit range from 11.9 to 16.5 pCi/L (laboratory reports are presented in **Appendix A**).

Groundwater analysis demonstrates elevated activities of total radium in monitoring wells in the vicinity of the GSA CCR unit, regardless of their hydraulic connectivity (i.e., upgradient; side-gradient) to the CCR unit. As described in Section 2.4, this observation is consistent with a naturally-occurring source of total radium.

Further, the ratio of radium-226 to radium-228 in monitoring wells around the GSA CCR unit appears to correlate with the ratio of the parent radionuclides, uranium to thorium, in Site soils (**Figure 4**). Site soils generally contain higher concentrations of thorium (parent radionuclide of radium-228) as compared to uranium (parent radionuclide of radium-226). The average ratio of uranium to thorium concentrations was calculated to be 0.68 which is generally consistent with the average ratio of radium-226 to radium-228 activities in Site groundwater. This correlation suggests that naturally-occurring uranium and thorium likely contribute to the activities of radium-226 and radium-228, respectively, in groundwater in the vicinity of the GSA CCR unit.

Additionally, the activity of total radium in monitoring wells downgradient of the GSA CCR unit were observed to strongly correlate (Spearman's rho = 0.94) with the concentrations of TDS and chloride (**Figure 5**) indicating that the interaction of Site groundwater with elevated TDS and/or chloride may mobilize naturally-occurring total radium from Site soils. This observation is consistent with the mobilization mechanism hypothesized in the literature and referenced in Section 2.4.

4. CONCLUSIONS

This ASD was prepared pursuant to 40 CFR 257.95(g)(3)(ii) and demonstrates that naturally-occurring sources of radionuclides contribute to the elevated activities of total radium observed downgradient of the GSA CCR unit. Supporting conclusions include the following:

- Naturally-occurring uranium and thorium, which are parent radionuclides for radium, are present in Site soils as documented by LBG-Guyton (LBG-Guyton, 1998) and further supported by recent results of soil analysis presented in this ASD. The presence of uranium and thorium indicate the potential for a naturally-occurring source of total radium that may contribute to elevated activities of total radium observed in groundwater downgradient of the GSA CCR unit.
- Total radium can be leached from Site soils at activities higher than the GWPS of 5 pCi/L when in contact with Site groundwater as evidenced by leaching tests conducted by LBG-Guyton and supported by additional leaching tests documented herein. The contribution of naturally-occurring sources of radionuclides to total radium activities in groundwater was calculated to be in the range of 2.9 to 16.1 pCi/L.
- Total radium (up to 16.5 pCi/L) is present at activities higher than the GWPS of 5 pCi/L in monitoring wells and/or sample locations hydraulically disconnected from the GSA CCR unit (i.e., upgradient and side-gradient of the GSA CCR unit). In addition, the ratio of radium-226 and radium-228 is consistent with the ratio of their parent nuclides observed in Site soil, suggesting a natural source of total radium in Site groundwater.

The combination of these lines of evidence indicate that naturally-occurring sources of radionuclides contribute to the elevated activities of total radium observed in wells around GSA CCR unit. Analyses of Site soils, leaching tests, and Site groundwater indicate that Site soils are enriched in naturally-occurring radionuclides and that the interaction of Site groundwater with Site soils likely results in the mobilization of total radium from soils to groundwater. One potential mechanism for total radium release from Site soils is interaction of soils with chloride and/or TDS in groundwater.

Although the exact fraction of naturally-occurring total radium in wells downgradient of the GSA CCR unit was not quantified herein, the contribution of naturally-occurring total radium was estimated to range between 2.9 and 16.1 pCi/L, suggesting that the natural variation in groundwater quality in the vicinity of the GSA CCR unit contributes to the elevated activities of total radium in wells downgradient of the GSA CCR unit.

The results presented in this demonstration also support the nature and extent evaluation for total radium, specifically at the horizontal delineation location PZ-200S which is downgradient of MW-200. This demonstration indicates the natural variation in groundwater quality contributes to the elevated activities of total radium at PZ-200S (6.32 to 13.6 pCi/L through November 2019). As such, horizontal delineation is now considered complete at PZ-200S. Gulf Power will continue to monitor PZ-200S in accordance with the requirements of the CCR rule and utilize the analysis contained herein to evaluate nature and extent of total radium downgradient of the GSA CCR unit.

5. REFERENCES

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Geosyntec Consultants, June 2019. *Assessment of Corrective Measures, Gulf Power Company, Plant Crist Gypsum Storage Area.*

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Hughes A. L. H., June 2016. *Ecohydrological and Groundwater Dynamics in a Salt Marsh Island.* University of South Carolina, Theses and Dissertations.

LBG-Guyton Associates, July 1998. *Investigation for Potential Sources of Elevated Radiological Activity in Two Monitoring Wells at Crist Electric Generating Plant, James F. Crist Generating Plant.*

Miller, B.L. & Sutcliffe Jr., H., 1985. *Occurrence of Natural Radium-226 Radioactivity in Ground Water of Sarasota County, Florida.* U.S. Geological Survey, Water-Resources Investigations Report.

United States Environmental Protection Agency (USEPA), November 1993. *USEPA Solid Waste Disposal Facility Criteria Technical Manual.*

TABLES

Table 1. Summary of Uranium and Thorium in Site Soils - 2019 Field Investigation
Plant Crist - Gypsum Storage Area
Gulf Power Company, Pensacola, Florida

Sample ID	Sample Depth (ft bgs)	Sample Date	Total Uranium (mg/kg)	Total Thorium (mg/kg)
DPT-01	53 - 57.5	11/15/2019	0.6	5.1
DPT-02	49 - 52	11/14/2019	0.4	3.0
APT-04S	50 - 60	11/18/2019	0.9	4.8
APT-05S	43 - 50	11/18/2019	0.3	1.7

Notes:

1. ft bgs indicates feet below ground surface.
2. mg/kg indicates milligrams per kilogram.
3. Laboratory reports presented in Appendix A.

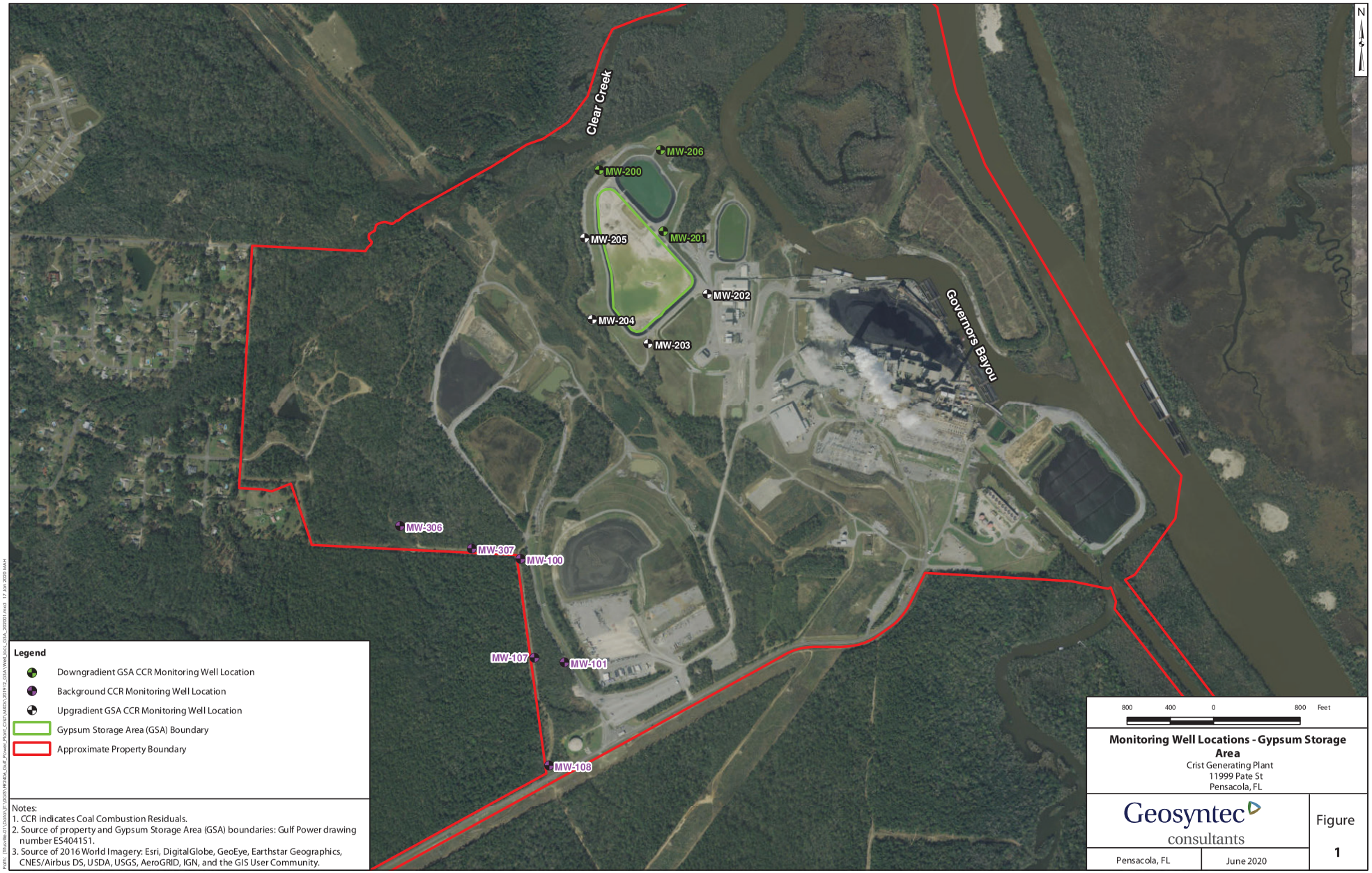
Table 2. Summary of Leaching Tests - 1998 and 2019 Field Investigations
Plant Crist - Gypsum Storage Area
Gulf Power Company, Pensacola, Florida

Sample ID	Study Year	Post-Leach Total Radium (pCi/L)	Leach Solution	Pre-Leach Solution Total Radium (pCi/L)	Natural Source Contribution (pCi/L)
SH-1	1998	**15.8**	DI Water	1.1	**14.7**
SH-1	1998	**18.2**	Pond Water	2.1	**16.1**
SH-1	1998	**16.3**	1% Pond Water	0.1	**16.2**
SH-2	1998	**8.0**	1% Pond Water	0.1	**7.9**
DPT-1	2019	ND	DI Water	ND	ND
DPT-1	2019	**15.3**	MW-205	4.8	**10.5**
DPT-2	2019	ND	DI Water	ND	ND
DPT-2	2019	**13.2**	MW-205	4.8	**8.4**
APT-04S	2019	**5.3**	DI Water	ND	**5.3**
APT-04S	2019	**7.7**	MW-205	4.8	2.9
APT-05S	2019	3.5	DI Water	ND	3.5
APT-05S	2019	**13.9**	MW-205	4.8	**9.1**

Notes:

1. 1998 baseline leach test data based on report by LBG-Guyton (1998). 2019 Laboratory reports presented in Appendix A.
2. pCi/L indicates picocuries per liter.
3. ND indicates activity below method detection limit.
4. Natural source contribution calculated by subtracting pre-leach total radium activity from post-leach total radium activity.
5. Bold indicates activity above groundwater protection standard of 5 pCi/L.

FIGURES



Notes:
1. CCR indicates Coal Combustion Residuals.
2. Source of property and Gypsum Storage Area (GSA) boundaries: Gulf Power drawing number ES4041S1.
3. Source of 2016 World Imagery: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

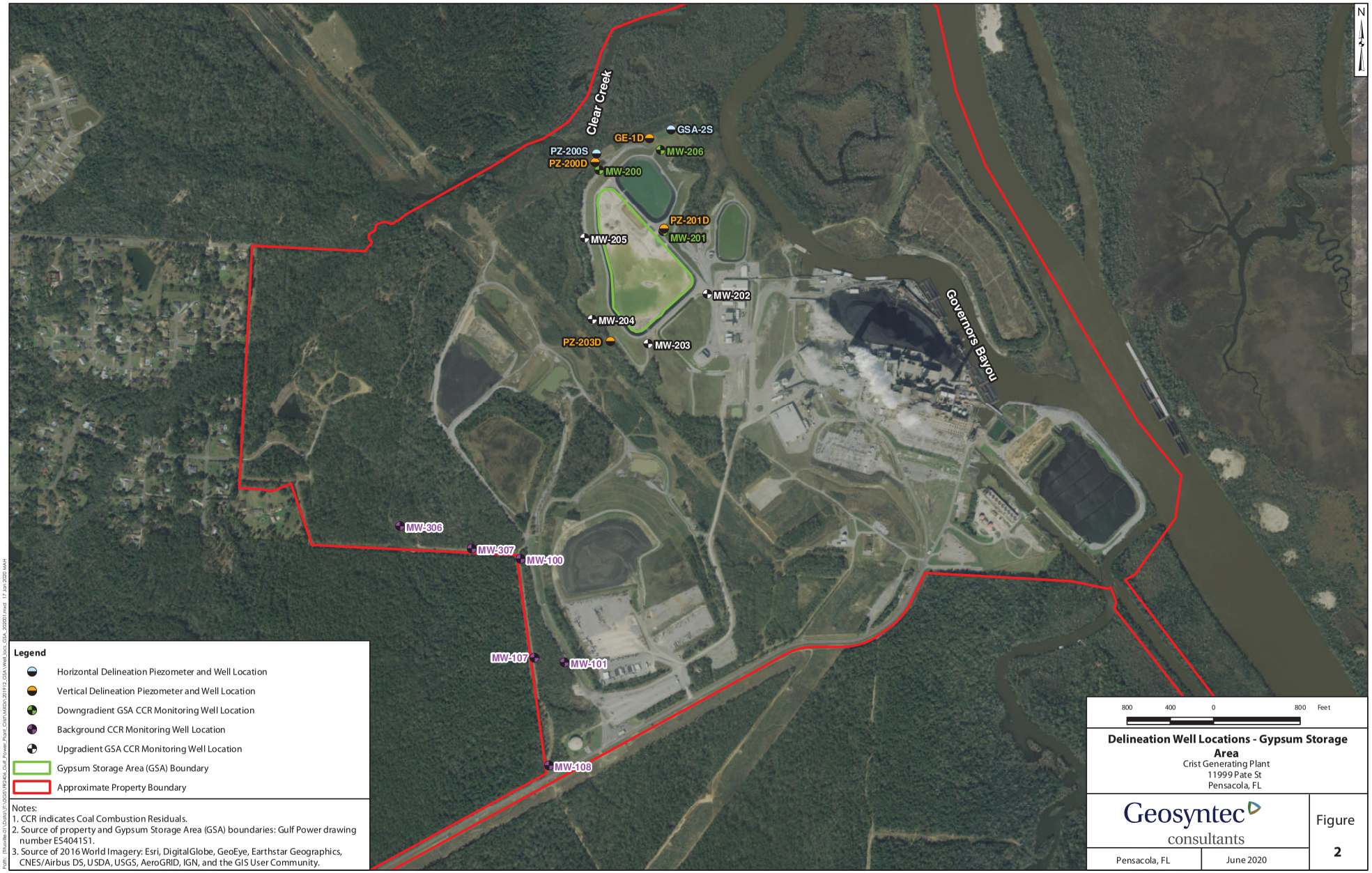
Monitoring Well Locations - Gypsum Storage Area
Crist Generating Plant
11999 Pate St
Pensacola, FL

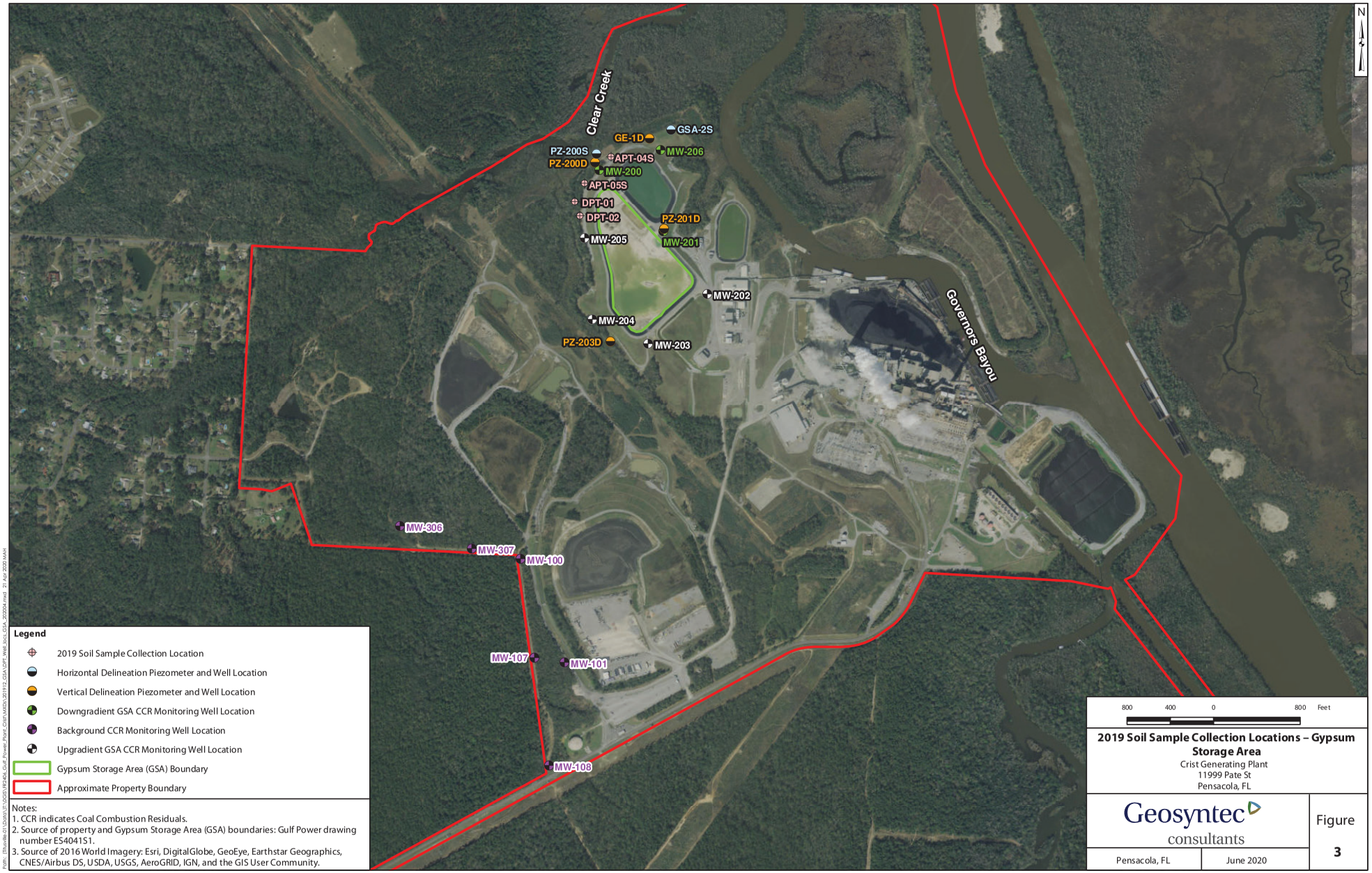
Geosyntec consultants

Pensacola, FL | June 2020

Figure 1

Path: [Thorville-01\Jobs\]T:\GGIS\R2406_Gulf_Power_Plant_Crist\MXDs\201912_GSA\Well_loc_GSA_20200.mxd 17 Jan 2020 MAH


Clear Creek
GE-1D
GSA-2S
PZ-200S
PZ-200D
MW-206
MW-200
PZ-201D
MW-201
MW-205
MW-202
Governors Bayou
MW-204
PZ-203D
MW-203
MW-306
MW-307
MW-100
MW-107
MW-101
MW-108
N
Legend
Horizontal Delineation Piezometer and Well Location
Vertical Delineation Piezometer and Well Location
Downgradient GSA CCR Monitoring Well Location
Background CCR Monitoring Well Location
Upgradient GSA CCR Monitoring Well Location
Gypsum Storage Area (GSA) Boundary
Approximate Property Boundary
Notes:
1. CCR indicates Coal Combustion Residuals.
2. Source of property and Gypsum Storage Area (GSA) boundaries: Gulf Power drawing number ES4041S1.
3. Source of 2016 World Imagery: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.
800 400 0 800 Feet
Delineation Well Locations - Gypsum Storage Area
Crist Generating Plant
11999 Pate St
Pensacola, FL
Geosyntec consultants
Pensacola, FL
June 2020
Figure 2



Legend

- 2019 Soil Sample Collection Location
- Horizontal Delineation Piezometer and Well Location
- Vertical Delineation Piezometer and Well Location
- Downgradient GSA CCR Monitoring Well Location
- Background CCR Monitoring Well Location
- Upgradient GSA CCR Monitoring Well Location
- Gypsum Storage Area (GSA) Boundary
- Approximate Property Boundary

Notes:
1. CCR indicates Coal Combustion Residuals.
2. Source of property and Gypsum Storage Area (GSA) boundaries: Gulf Power drawing number ES4041S1.
3. Source of 2016 World Imagery: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

Path: [Thorville-01\Data\]T:\GGIS\R2426_Gulf_Power_Plant_Crist\MXDs\201912_GSA\DPT_Well_loc_GSA_202004.mxd 21 Apr 2020 MAH

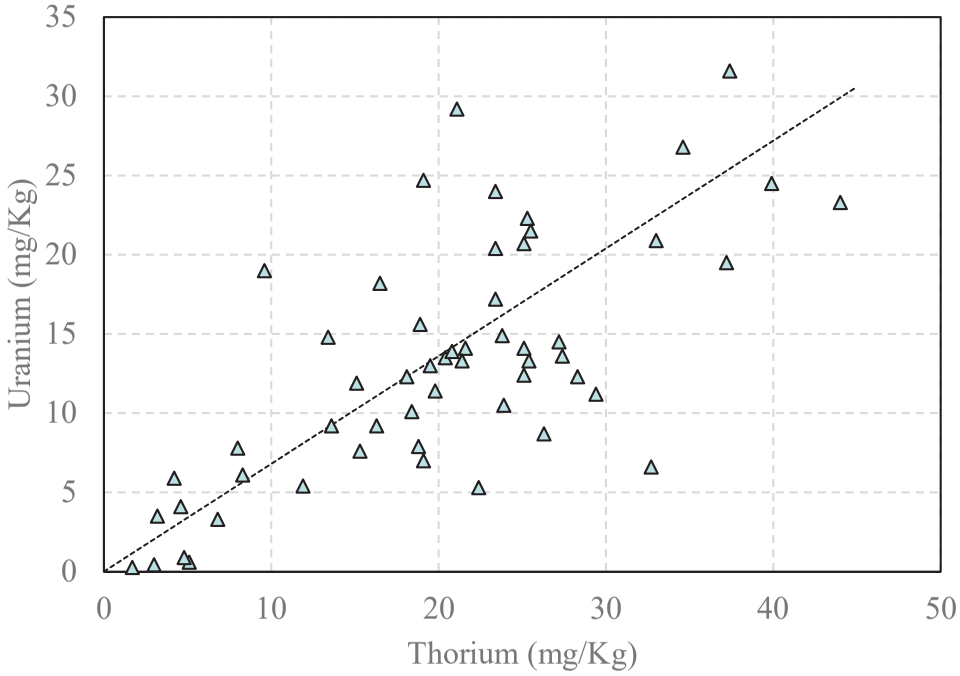
2019 Soil Sample Collection Locations – Gypsum Storage Area

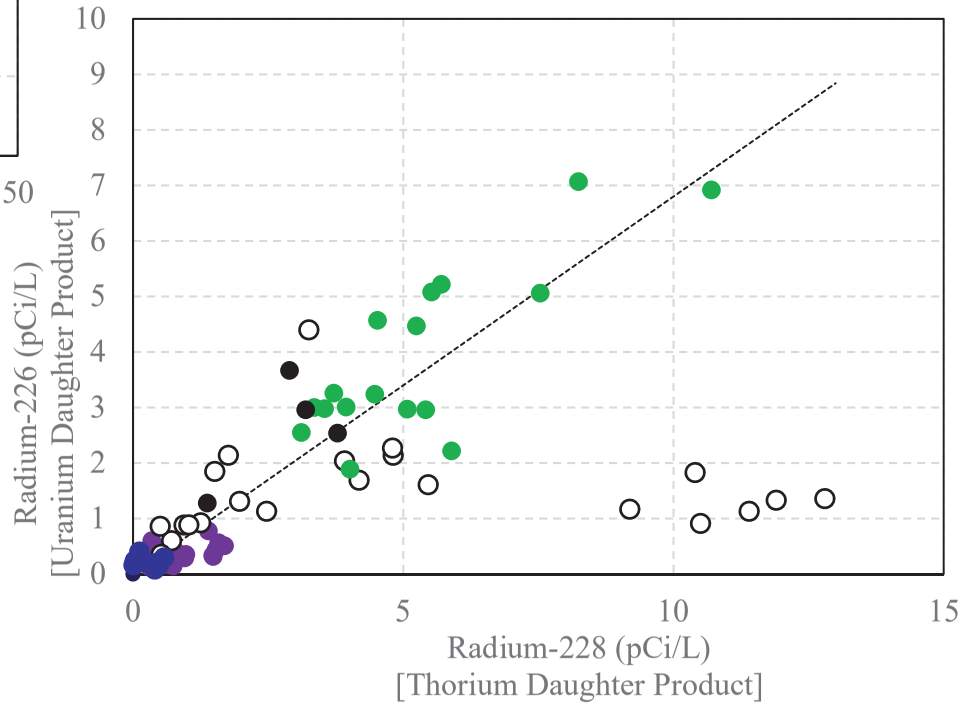
Crist Generating Plant
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Pensacola, FL

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Figure 3





Legend:

- Uranium/Thorium in Soils
- Background CCR Monitoring Wells
- GSA Downgradient CCR Monitoring Wells
- Horizontal Delineation Piezometers
- Vertical Delineation Piezometers
- GSA Upgradient CCR Monitoring Wells
- ----- Slope 0.68 (Uranium/Thorium in Soil) (Note 6)

Notes:

1. Background CCR Monitoring Wells include: MW-100, MW-101, MW-107, MW-108, MW-306 and MW-307.
2. GSA Upgradient CCR Monitoring Wells include: MW-202, MW-203, MW-204, and MW-205.
3. GSA Downgradient CCR Monitoring Wells include: MW-200, MW-201, and MW-206.
4. Horizontal Delineation Piezometers include: PZ-200S, and GSA-2S.
5. Vertical Delineation Piezometers include: PZ-200D, PZ-201D, and GE-1D.
6. Slope 0.68 calculated based on uranium and thorium concentration in soils reported in LBG-Guyton (1998) and Geosyntec 2019 field investigation.
7. pCi/L indicates picocuries per liter. mg/Kg indicates milligrams per kilogram.
8. Radium-226 and radium-228 concentrations based on groundwater data collected from 2016 through 2019.

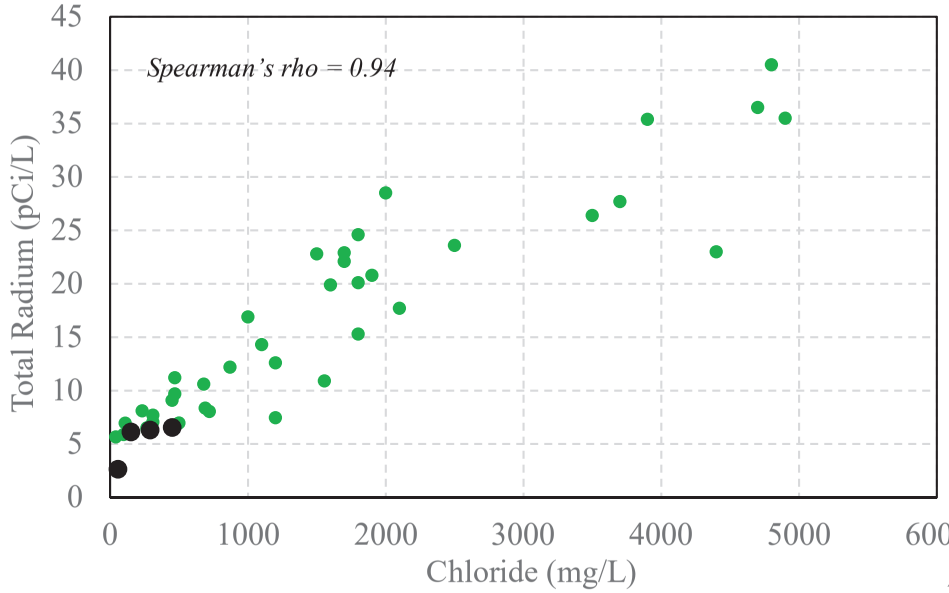
Ratio of Radium-266 to Radium-228

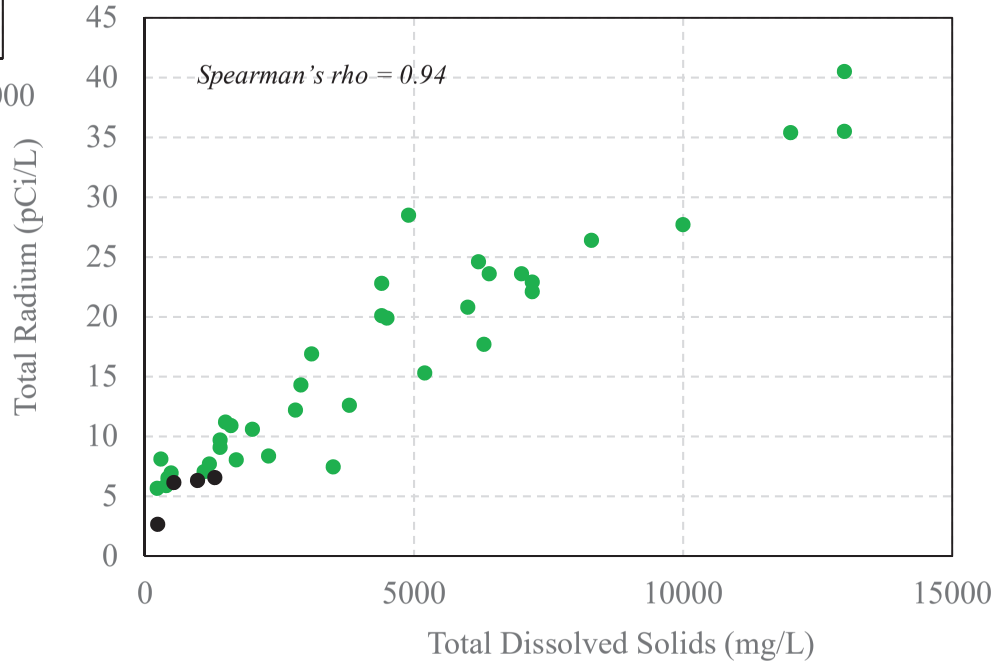
Crist Generating Plant
11999 Pate St
Pensacola, FL

Geosyntec consultants

Pensacola, FL | June 2020

Figure 4





Legend:

- GSA Downgradient CCR Monitoring Wells
- Horizontal Delineation Piezometers

Notes:

1. GSA Downgradient CCR Monitoring Wells include: MW-200, MW-201, and MW-206.
2. Horizontal Delineation Piezometers include: PZ-200S, and GSA-2S.
3. pCi/L indicates picocuries per liter.
4. mg/L indicates milligrams per liter.
5. Graphs based on groundwater data collected from 2016 through 2019.

Correlation of Total Radium to Groundwater Quality Downgradient of the GSA CCR unit

Crist Generating Plant
11999 Pate St
Pensacola, FL

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Pensacola, FL | June 2020

Figure 5

APPENDIX A

Laboratory Analytical Results – 2019 Field Investigation

eurofins | Environment Testing TestAmerica



ANALYTICAL REPORT

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

Laboratory Job ID: 400-179843-1
Client Project/Site: CCR Plant Crist

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

Attn: Mr. Mike Markey

Authorized for release by:
12/27/2019 10:44:05 AM

Cheyenne Whitmire, Project Manager II
(850)471-6222
cheyenne.whitmire@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 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.

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QC Sample Results 14
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Receipt Checklists 16
Certification Summary 17

Detection Summary

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

Job ID: 400-179843-1

Client Sample ID: DPT-01_53'-57.5' — Lab Sample ID: 400-179843-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Thorium	5.1		0.24	0.11	mg/Kg	2	☼	6020	Total/NA
Uranium	0.60		0.12	0.048	mg/Kg	2	☼	6020	Total/NA

Client Sample ID: DPT-02_49'-52' — Lab Sample ID: 400-179843-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Thorium	3.0		0.24	0.11	mg/Kg	2	☼	6020	Total/NA
Uranium	0.43		0.12	0.049	mg/Kg	2	☼	6020	Total/NA

Client Sample ID: APT-045_50'-60' — Lab Sample ID: 400-179843-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Thorium	4.8		0.26	0.12	mg/Kg	2	☼	6020	Total/NA
Uranium	0.89		0.13	0.053	mg/Kg	2	☼	6020	Total/NA

Client Sample ID: APT-055_43'-50' — Lab Sample ID: 400-179843-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Thorium	1.7		0.23	0.11	mg/Kg	2	☼	6020	Total/NA
Uranium	0.26		0.12	0.047	mg/Kg	2	☼	6020	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

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

Job ID: 400-179843-1

Method	Method Description	Protocol	Laboratory
6020	Metals (ICP/MS)	SW846	TAL SL
Moisture	Percent Moisture	EPA	TAL SL
3050B	Preparation, Metals	SW846	TAL SL

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Sample Summary

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

Job ID: 400-179843-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-179843-1	DPT-01_53'-57.5'	Solid	11/15/19 15:30	11/19/19 16:35	
400-179843-2	DPT-02_49'-52'	Solid	11/14/19 16:10	11/19/19 16:35	
400-179843-3	APT-045_50'-60'	Solid	11/18/19 14:20	11/19/19 16:35	
400-179843-4	APT-055_43'-50'	Solid	11/18/19 14:25	11/19/19 16:35	

Client Sample Results

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

Job ID: 400-179843-1

Client Sample ID: DPT-01_53'-57.5'
Date Collected: 11/15/19 15:30
Date Received: 11/19/19 16:35

Lab Sample ID: 400-179843-1
Matrix: Solid
Percent Solids: 74.5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thorium	5.1		0.24	0.11	mg/Kg	☼	11/25/19 10:49	12/09/19 21:22	2
Uranium	0.60		0.12	0.048	mg/Kg	☼	11/25/19 10:49	12/09/19 21:22	2

Client Sample Results

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

Job ID: 400-179843-1

Client Sample ID: DPT-02_49'-52'
Date Collected: 11/14/19 16:10
Date Received: 11/19/19 16:35

Lab Sample ID: 400-179843-2
Matrix: Solid
Percent Solids: 80.0

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thorium	3.0		0.24	0.11	mg/Kg	☼	11/25/19 10:49	12/09/19 22:15	2
Uranium	0.43		0.12	0.049	mg/Kg	☼	11/25/19 10:49	12/09/19 22:15	2

Client Sample Results

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

Job ID: 400-179843-1

Client Sample ID: APT-045_50'-60'
Date Collected: 11/18/19 14:20
Date Received: 11/19/19 16:35

Lab Sample ID: 400-179843-3
Matrix: Solid
Percent Solids: 74.0

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thorium	4.8		0.26	0.12	mg/Kg	☼	11/25/19 10:49	12/09/19 22:22	2
Uranium	0.89		0.13	0.053	mg/Kg	☼	11/25/19 10:49	12/09/19 22:22	2

Client Sample Results

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

Job ID: 400-179843-1

Client Sample ID: APT-055_43'-50'
Date Collected: 11/18/19 14:25
Date Received: 11/19/19 16:35

Lab Sample ID: 400-179843-4
Matrix: Solid
Percent Solids: 82.8

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thorium	1.7		0.23	0.11	mg/Kg	☼	11/25/19 10:50	12/09/19 22:29	2
Uranium	0.26		0.12	0.047	mg/Kg	☼	11/25/19 10:50	12/09/19 22:29	2

Definitions/Glossary

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

Job ID: 400-179843-1

Qualifiers

Metals

Qualifier	Qualifier Description
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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Lab Chronicle

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

Job ID: 400-179843-1

Client Sample ID: DPT-01_53'-57.5'
Lab Sample ID: 400-179843-1
Date Collected: 11/15/19 15:30
Matrix: Solid
Date Received: 11/19/19 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	451512	11/21/19 13:17	DRO	TAL SL

Client Sample ID: DPT-01_53'-57.5'
Lab Sample ID: 400-179843-1
Date Collected: 11/15/19 15:30
Matrix: Solid
Date Received: 11/19/19 16:35
Percent Solids: 74.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			451867	11/25/19 10:49	LAM	TAL SL
Total/NA	Analysis	6020		2	453764	12/09/19 21:22	FLC	TAL SL

Client Sample ID: DPT-02_49'-52'
Lab Sample ID: 400-179843-2
Date Collected: 11/14/19 16:10
Matrix: Solid
Date Received: 11/19/19 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	451512	11/21/19 13:17	DRO	TAL SL

Client Sample ID: DPT-02_49'-52'
Lab Sample ID: 400-179843-2
Date Collected: 11/14/19 16:10
Matrix: Solid
Date Received: 11/19/19 16:35
Percent Solids: 80.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			451867	11/25/19 10:49	LAM	TAL SL
Total/NA	Analysis	6020		2	453764	12/09/19 22:15	FLC	TAL SL

Client Sample ID: APT-045_50'-60'
Lab Sample ID: 400-179843-3
Date Collected: 11/18/19 14:20
Matrix: Solid
Date Received: 11/19/19 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	451512	11/21/19 13:17	DRO	TAL SL

Client Sample ID: APT-045_50'-60'
Lab Sample ID: 400-179843-3
Date Collected: 11/18/19 14:20
Matrix: Solid
Date Received: 11/19/19 16:35
Percent Solids: 74.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			451867	11/25/19 10:49	LAM	TAL SL
Total/NA	Analysis	6020		2	453764	12/09/19 22:22	FLC	TAL SL

Client Sample ID: APT-055_43'-50'
Lab Sample ID: 400-179843-4
Date Collected: 11/18/19 14:25
Matrix: Solid
Date Received: 11/19/19 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	451512	11/21/19 13:17	DRO	TAL SL

Lab Chronicle

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

Job ID: 400-179843-1

Client Sample ID: APT-055_43'-50'
Date Collected: 11/18/19 14:25
Date Received: 11/19/19 16:35

Lab Sample ID: 400-179843-4
Matrix: Solid
Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			451867	11/25/19 10:50	LAM	TAL SL
Total/NA	Analysis	6020		2	453764	12/09/19 22:29	FLC	TAL SL

Laboratory References:

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

Metals

Prep Batch: 451867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-179843-1	DPT-01_53'-57.5'	Total/NA	Solid	3050B	
400-179843-2	DPT-02_49'-52'	Total/NA	Solid	3050B	
400-179843-3	APT-045_50'-60'	Total/NA	Solid	3050B	
400-179843-4	APT-055_43'-50'	Total/NA	Solid	3050B	
MB 160-451867/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 160-451867/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSSRM 160-451867/3-A	Lab Control Sample	Total/NA	Solid	3050B	
400-179843-1 MS	DPT-01_53'-57.5'	Total/NA	Solid	3050B	
400-179843-1 MSD	DPT-01_53'-57.5'	Total/NA	Solid	3050B	

Analysis Batch: 453764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-179843-1	DPT-01_53'-57.5'	Total/NA	Solid	6020	451867
400-179843-2	DPT-02_49'-52'	Total/NA	Solid	6020	451867
400-179843-3	APT-045_50'-60'	Total/NA	Solid	6020	451867
400-179843-4	APT-055_43'-50'	Total/NA	Solid	6020	451867
MB 160-451867/1-A	Method Blank	Total/NA	Solid	6020	451867
LCS 160-451867/2-A	Lab Control Sample	Total/NA	Solid	6020	451867
LCSSRM 160-451867/3-A	Lab Control Sample	Total/NA	Solid	6020	451867
400-179843-1 MS	DPT-01_53'-57.5'	Total/NA	Solid	6020	451867
400-179843-1 MSD	DPT-01_53'-57.5'	Total/NA	Solid	6020	451867

General Chemistry

Analysis Batch: 451512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-179843-1	DPT-01_53'-57.5'	Total/NA	Solid	Moisture	
400-179843-2	DPT-02_49'-52'	Total/NA	Solid	Moisture	
400-179843-3	APT-045_50'-60'	Total/NA	Solid	Moisture	
400-179843-4	APT-055_43'-50'	Total/NA	Solid	Moisture	
400-179843-1 DU	DPT-01_53'-57.5'	Total/NA	Solid	Moisture	

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 160-451867/1-A
Matrix: Solid
Analysis Batch: 453764

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 451867

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thorium	0.077	U	0.17	0.077	mg/Kg		11/25/19 10:49	12/09/19 21:02	2
Uranium	0.034	U	0.086	0.034	mg/Kg		11/25/19 10:49	12/09/19 21:02	2

Lab Sample ID: LCS 160-451867/2-A
Matrix: Solid
Analysis Batch: 453764

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 451867

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Thorium	85.1	88.8		mg/Kg		104	80 - 120

Lab Sample ID: LCSSRM 160-451867/3-A
Matrix: Solid
Analysis Batch: 453764

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 451867

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Uranium	98.1	101		mg/Kg		102.9	74.0 - 126.4

Lab Sample ID: 400-179843-1 MS
Matrix: Solid
Analysis Batch: 453764

Client Sample ID: DPT-01_53'-57.5'
Prep Type: Total/NA
Prep Batch: 451867

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Thorium	5.1		126	132		mg/Kg	☼	101	75 - 125
Uranium	0.60		126	130		mg/Kg	☼	102	75 - 125

Lab Sample ID: 400-179843-1 MSD
Matrix: Solid
Analysis Batch: 453764

Client Sample ID: DPT-01_53'-57.5'
Prep Type: Total/NA
Prep Batch: 451867

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Thorium	5.1		113	120		mg/Kg	☼	102	75 - 125	9	30
Uranium	0.60		113	117		mg/Kg	☼	103	75 - 125	10	30

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Kyle Carlton/Ted Wilson	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-88274-32868.1
Client Contact: Mr. Mike Markey	Phone: 717-994-3210	E-Mail: cheyenne.whitmire@testamericainc.com		Page: Page 1 of 1
Company: Gulf Power Company				Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days): standard			
State, Zip: FL, 32520				
Phone: 850-444-6573(Tel)	PO #: Purchase Order not required			
Email: richard.markey@nexteraenergy.com	WO #:			
Project Name: CCR Plant Crist	Project #: 40005424			
Site: Plant Crist	SSOW#:			

Analysis Requested

400-179843 COC

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9310 - Gross Alpha & Gross Beta	9315_Ra226 - Radium 226	9320_Ra228 - Radium 228	Ra226Ra228_GFPC - Combined Radium-226 and Radium-228	6020 - Uranium & Thorium	Moisture - Percent Moisture	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
DPT-01_53'-57.5'	11/15/19	1530	C	Solid	N	N	X	X	X	X	X	X	3	
DPT-02_49'-52'	11/14/19	1610	C	Solid			X	X	X	X	X	X	3	
APT-045_50'-60'	11/18/19	1420	C	Solid			X	X	X	X	X	X	3	
APT-055_43'-50'	11/18/19	1425	C	Solid			X	X	X	X	X	X	3	
				Solid										
				Solid										
				Solid										
				Solid										
				Solid										
				Solid										
				Solid										

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Ted Wilson	11/19/19 1635	Geosyntec	Kathy R Cwey	11-19-19 1635	EIA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: △ Yes △ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 0.1°C, 4.8°C, 5.1°C, 5.0°C, 5.3°C IR8

Ver: 01/16/2019

12/27/2019

Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 400-179843-1

Login Number: 179843
List Number: 1
Creator: Perez, Trina M

List Source: Eurofins TestAmerica, 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.	True	
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	0.1°C, 4.8°C, 5.1°C, 5.0°C, 5.3°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: Gulf Power Company
Project/Site: CCR Plant Crist

Job ID: 400-179843-1

Laboratory: Eurofins TestAmerica, 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	07-01-20
ANAB	ISO/IEC 17025	L2471	02-22-20
Arizona	State	AZ0710	01-12-20
Arkansas DEQ	State	88-0689	09-01-20
California	State	2510	07-01-20
Florida	NELAP	E81010	06-30-20
Georgia	State	E81010(FL)	06-30-20
Iowa	State	367	08-01-20
Iowa	State Program	367	08-01-20
Kansas	NELAP	E-10253	08-16-20
Kentucky (UST)	State	53	06-30-20
Kentucky (UST)	State Program	53	06-30-20
Kentucky (WW)	State	KY98030	12-30-19
Louisiana	NELAP	30976	06-30-20
Louisiana	NELAP	30976	06-30-20
Louisiana (DW)	NELAP	LA017	12-31-19
Louisiana (DW)	State	<cert No.>	12-31-19
Maryland	State	233	09-30-20
Massachusetts	State	M-FL094	06-30-20
Michigan	State	9912	05-06-20
Minnesota	NELAP	012-999-481	12-31-19
New Jersey	NELAP	FL006	07-30-20
North Carolina (WW/SW)	State	314	12-31-19
North Carolina (WW/SW)	State Program	314	12-31-19
Oklahoma	State	9810-186	08-31-20
Pennsylvania	NELAP	68-00467	01-31-20
Rhode Island	State	LAO00307	12-30-19
Rhode Island	State Program	LAO00307	12-30-19
South Carolina	State	96026002	06-30-20
South Carolina	State Program	96026	06-30-20
Tennessee	State	TN02907	06-30-20
Texas	NELAP	T104704286	09-30-20
US Fish & Wildlife	Federal	LE058448-0	07-31-20
US Fish & Wildlife	US Federal Programs	LE058448	06-07-20
USDA	Federal	P330-18-00148	05-17-21
USDA	US Federal Programs	P330-18-00148	05-17-21
Virginia	NELAP	460166	06-14-20
Washington	State	C915	05-15-20
West Virginia DEP	State	136	06-30-20

Accreditation/Certification Summary

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

Job ID: 400-179843-1

Laboratory: Eurofins TestAmerica, St. Louis

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

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2305	04-06-22
ANAB	Dept. of Energy	L2305.01	04-06-22
ANAB	ISO/IEC 17025	L2305	04-06-22
California	Los Angeles County Sanitation Districts	10259	06-30-20
California	State	2886	06-30-20
Connecticut	State	PH-0241	03-31-21
Florida	NELAP	E87689	06-30-20
HI - RadChem Recognition	State	n/a	06-30-20
Iowa	State	373	09-17-20
Kansas	NELAP	E-10236	10-31-20
Kentucky (DW)	State	KY90125	12-31-19
Louisiana	NELAP	04080	06-30-20
Louisiana (DW)	State	LA011	12-31-19
Maryland	State	310	09-30-20
MI - RadChem Recognition	State	9005	06-30-20
Missouri	State	780	06-30-22
Nevada	State	MO000542020-1	07-31-20
New Jersey	NELAP	MO002	06-30-20
New York	NELAP	11616	04-01-20
North Dakota	State	R-207	06-30-20
NRC	NRC	24-24817-01	12-31-22
Oklahoma	State	9997	08-31-20
Pennsylvania	NELAP	68-00540	02-28-20
South Carolina	State	85002001	06-30-20
Texas	NELAP	T104704193-19-13	07-31-20
US Fish & Wildlife	US Federal Programs	058448	07-31-20
USDA	US Federal Programs	P330-17-00028	02-02-20
Utah	NELAP	MO000542019-11	07-31-20
Virginia	NELAP	10310	06-14-20
Washington	State	C592	08-30-20

eurofins | Environment Testing TestAmerica



ANALYTICAL REPORT

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

Laboratory Job ID: 180-99027-1
Client Project/Site: Plant Crist

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

Attn: Mr. Mike Markey

Cheyenne R Whitmire

Authorized for release by:
1/10/2020 5:31:07 PM

Cheyenne Whitmire, Project Manager II
(850)471-6222
cheyenne.whitmire@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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

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

PA Lab ID: 02-00416

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Job ID: 180-99027-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-99027-1

RAD

Method 9310: Gross Alpha Beta Prep Batch 160-453267. The matrix spike (MS) recovery for prep batch 453267 was outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. There was also a reduction of the sample size attributed to high residual mass.

Method 9310: Gross Alpha Beta Prep Batch 160-453267. The detection goal was not met for the following samples due to a reduction of the sample size attributed to high residual mass: DPT-01_53'-57.5' (SITE WATER) (180-99027-2), APT-04S_50'-60' (SITE WATER) (180-99027-10), APT-05S_43'-50' (SITE WATER) (180-99027-14), MW-20S (180-99027-18), (180-99027-B-18-D DU), (180-99027-B-18-B MS) and (180-99027-B-18-C MSBT). Analytical results are reported with the detection limit achieved.

Method 9310: Gross Alpha-Beta Prep Batch 160-453267. 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. DPT-01_53'-57.5' (SITE WATER) (180-99027-2), DPT-01_53'-57.5' (DI WATER) (180-99027-4), DPT-02_49'-52' (SITE WATER) (180-99027-6), DPT-02_49'-52' (DI WATER) (180-99027-8), APT-04S_50'-60' (SITE WATER) (180-99027-10), APT-04S_50'-60' (DI WATER) (180-99027-12), APT-05S_43'-50' (SITE WATER) (180-99027-14), APT-05S_43'-50' (DI WATER) (180-99027-16), MW-20S (180-99027-18), DI WATER (180-99027-20), (LCS 160-453267/2-A), (LCSB 160-453267/3-A), (MB 160-453267/1-A), (180-99027-B-18-D DU), (180-99027-B-18-B MS) and (180-99027-B-18-C MSBT)

Method 9315: Radium-226 Prep Batch 160-453287. 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. DPT-01_53'-57.5' (SITE WATER) (180-99027-2), DPT-01_53'-57.5' (DI WATER) (180-99027-4), DPT-02_49'-52' (SITE WATER) (180-99027-6), DPT-02_49'-52' (DI WATER) (180-99027-8), APT-04S_50'-60' (SITE WATER) (180-99027-10), APT-04S_50'-60' (DI WATER) (180-99027-12), APT-05S_43'-50' (SITE WATER) (180-99027-14), APT-05S_43'-50' (DI WATER) (180-99027-16), MW-20S (180-99027-18), DI WATER (180-99027-20), (LCS 160-453287/1-A), (LCSD 160-453287/2-A) and (MB 160-453287/13-A)

Method 9320: Ra-228 Prep Batch 160-453291. The barium carrier recovery is outside acceptance limit for the laboratory control sample duplicate (LCSD) associated with preparation batch 453291. The LCS/LCSD spike recoveries are within control limits, which demonstrates acceptable sample preparation and instrument performance. As such, this was an apparent anomaly in the sample preparation, isolated to the LCS, which is not indicative of the entire batch.

Method 9320: Ra-228 Prep Batch 160-453291. GFPC detector Orange 7 did not have a daily background check for 12/18/19. The daily background for the previous day as well as the following day both passed indicating a pattern of acceptable limits. DI WATER (180-99027-20)

Method 9320: Ra-228 Prep batch 160-453291. 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. DPT-01_53'-57.5' (SITE WATER) (180-99027-2), DPT-01_53'-57.5' (DI WATER) (180-99027-4), DPT-02_49'-52' (SITE WATER) (180-99027-6), DPT-02_49'-52' (DI WATER) (180-99027-8), APT-04S_50'-60' (SITE WATER) (180-99027-10), APT-04S_50'-60' (DI WATER) (180-99027-12), APT-05S_43'-50' (SITE WATER) (180-99027-14), APT-05S_43'-50' (DI WATER) (180-99027-16), MW-20S (180-99027-18), DI WATER (180-99027-20), (LCS 160-453291/1-A), (LCSD 160-453291/2-A) and (MB 160-453291/13-A)

Method Evaporation: Gross Alpha/Beta preparation batch 160-453267. The following samples had additional volume added to reach target mass and efficiency:DPT-01_53'-57.5' (SITE WATER) (180-99027-2), DPT-02_49'-52' (SITE WATER) (180-99027-6), APT-04S_50'-60' (SITE WATER) (180-99027-10), APT-04S_50'-60' (DI WATER) (180-99027-12), APT-05S_43'-50' (SITE WATER) (180-99027-14), APT-05S_43'-50' (DI WATER) (180-99027-16), MW-20S (180-99027-18), (180-99027-B-18 DU), (180-99027-B-18 MS) and (180-99027-B-18 MSBT). The total sample volume is reflected in the initial amount field.

Method PrecSep_0: Radium 228 Prep Batch 160-453291: The following samples were prepared at a reduced aliquot due to limited volume: DPT-01_53'-57.5' (SITE WATER) (180-99027-2), DPT-01_53'-57.5' (DI WATER) (180-99027-4), DPT-02_49'-52' (SITE WATER) (180-99027-6), DPT-02_49'-52' (DI WATER) (180-99027-8), APT-04S_50'-60' (SITE WATER) (180-99027-10), APT-04S_50'-60' (DI

Job ID: 180-99027-1 (Continued)

Laboratory: Eurofins TestAmerica, Pittsburgh (Continued)

WATER) (180-99027-12), APT-05S_43'-50' (SITE WATER) (180-99027-14), APT-05S_43'-50' (DI WATER) (180-99027-16), MW-20S (180-99027-18) and DI WATER (180-99027-20).

Method PrecSep_0: Radium 228 Prep Batch 160-453291: Insufficient sample volume was available to perform a sample duplicate for the following samples: DPT-01_53'-57.5' (SITE WATER) (180-99027-2), DPT-01_53'-57.5' (DI WATER) (180-99027-4), DPT-02_49'-52' (SITE WATER) (180-99027-6), DPT-02_49'-52' (DI WATER) (180-99027-8), APT-04S_50'-60' (SITE WATER) (180-99027-10), APT-04S_50'-60' (DI WATER) (180-99027-12), APT-05S_43'-50' (SITE WATER) (180-99027-14), APT-05S_43'-50' (DI WATER) (180-99027-16), MW-20S (180-99027-18) and DI WATER (180-99027-20). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep-21: Radium 226 Prep Batch 160-453287: Insufficient sample volume was available to perform a sample duplicate for the following samples: DPT-01_53'-57.5' (SITE WATER) (180-99027-2), DPT-01_53'-57.5' (DI WATER) (180-99027-4), DPT-02_49'-52' (SITE WATER) (180-99027-6), DPT-02_49'-52' (DI WATER) (180-99027-8), APT-04S_50'-60' (SITE WATER) (180-99027-10), APT-04S_50'-60' (DI WATER) (180-99027-12), APT-05S_43'-50' (SITE WATER) (180-99027-14), APT-05S_43'-50' (DI WATER) (180-99027-16), MW-20S (180-99027-18) and DI WATER (180-99027-20). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep-21: Radium 226 Pep Batch 160-453287: The following samples were prepared at a reduced aliquot due to limited volume: DPT-01_53'-57.5' (SITE WATER) (180-99027-2), DPT-01_53'-57.5' (DI WATER) (180-99027-4), DPT-02_49'-52' (SITE WATER) (180-99027-6), DPT-02_49'-52' (DI WATER) (180-99027-8), APT-04S_50'-60' (SITE WATER) (180-99027-10), APT-04S_50'-60' (DI WATER) (180-99027-12), APT-05S_43'-50' (SITE WATER) (180-99027-14), APT-05S_43'-50' (DI WATER) (180-99027-16), MW-20S (180-99027-18) and DI WATER (180-99027-20).

Method Summary

Client: Gulf Power Company
Project/Site: Plant Crist

Job ID: 180-99027-1

Method	Method Description	Protocol	Laboratory
6020	Metals (ICP/MS)	SW846	TAL SL
EPA 9040C	pH	SW846	TAL PIT
9310	Gross Alpha / Beta (GFPC)	SW846	TAL SL
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
1316	Liquid-Solid Partitioning as a Function of Liquid-To-Solid Ratio via Parallel	SW846	TAL PIT
3010A	Preparation, Total Metals	SW846	TAL SL
Evaporation	Preparation, Evaporation	None	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 PIT = Eurofins TestAmerica, Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

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

Sample Summary

Client: Gulf Power Company
Project/Site: Plant Crist

Job ID: 180-99027-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-99027-1	DPT-01_53'-57.5' (SITE WATER)	Solid	11/15/19 15:30	11/21/19 09:00	
180-99027-2	DPT-01_53'-57.5' (SITE WATER)	Water	12/04/19 08:25	11/21/19 09:00	
180-99027-3	DPT-01_53'-57.5' (DI WATER)	Solid	11/15/19 15:30	11/21/19 09:00	
180-99027-4	DPT-01_53'-57.5' (DI WATER)	Water	12/04/19 08:25	11/21/19 09:00	
180-99027-5	DPT-02_49'-52' (SITE WATER)	Solid	11/14/19 16:10	11/21/19 09:00	
180-99027-6	DPT-02_49'-52' (SITE WATER)	Water	12/04/19 08:25	11/21/19 09:00	
180-99027-7	DPT-02_49'-52' (DI WATER)	Solid	11/14/19 16:10	11/21/19 09:00	
180-99027-8	DPT-02_49'-52' (DI WATER)	Water	12/04/19 08:25	11/21/19 09:00	
180-99027-9	APT-04S_50'-60' (SITE WATER)	Solid	11/18/19 14:20	11/21/19 09:00	
180-99027-10	APT-04S_50'-60' (SITE WATER)	Water	12/04/19 08:25	11/21/19 09:00	
180-99027-11	APT-04S_50'-60' (DI WATER)	Solid	11/18/19 14:20	11/21/19 09:00	
180-99027-12	APT-04S_50'-60' (DI WATER)	Water	12/04/19 08:25	11/21/19 09:00	
180-99027-13	APT-05S_43'-50' (SITE WATER)	Solid	11/18/19 14:25	11/21/19 09:00	
180-99027-14	APT-05S_43'-50' (SITE WATER)	Water	12/04/19 08:25	11/21/19 09:00	
180-99027-15	APT-05S_43'-50' (DI WATER)	Solid	11/18/19 14:25	11/21/19 09:00	
180-99027-16	APT-05S_43'-50' (DI WATER)	Water	12/04/19 08:25	11/21/19 09:00	
180-99027-17	MW-20S	Solid	11/18/19 13:00	11/21/19 09:00	
180-99027-18	MW-20S	Water	12/04/19 08:25	11/21/19 09:00	
180-99027-19	DI WATER	Solid	11/25/19 00:00	11/21/19 09:00	
180-99027-20	DI WATER	Water	12/04/19 08:25	11/21/19 09:00	

Client Sample ID: DPT-01_53'-57.5' (SITE WATER)

Lab Sample ID: 180-99027-1
Matrix: Solid
Date Collected: 11/15/19 15:30
Date Received: 11/21/19 09:00

General Chemistry - Leach

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	4.6		0.1	0.1	SU			12/04/19 08:25	1

Client Sample ID: DPT-01_53'-57.5' (SITE WATER)

Lab Sample ID: 180-99027-2
Matrix: Water
Date Collected: 12/04/19 08:25
Date Received: 11/21/19 09:00

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thorium	0.00090	U	0.0020	0.00090	mg/L		12/05/19 16:15	12/27/19 05:21	2
Uranium	0.00050	I	0.0010	0.00040	mg/L		12/05/19 16:15	12/27/19 05:21	2

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	20.0	G	4.48	5.02	3.00	4.45	pCi/L	12/06/19 08:29	12/11/19 11:43	1
Gross Beta	28.8		2.29	3.68	4.00	1.63	pCi/L	12/06/19 08:29	12/11/19 11:43	1

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	5.84		0.430	0.679	1.00	0.124	pCi/L	12/06/19 09:06	12/30/19 11:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*107*		*40 - 110*	*12/06/19 09:06*	*12/30/19 11:24*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	9.50		0.791	1.18	1.00	0.542	pCi/L	12/06/19 09:25	12/18/19 16:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*107*		*40 - 110*	*12/06/19 09:25*	*12/18/19 16:08*	*1*
Y Carrier	*87.2*		*40 - 110*	*12/06/19 09:25*	*12/18/19 16:08*	*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	15.3		0.900	1.36	5.00	0.542	pCi/L		01/06/20 11:54	1

Client Sample ID: DPT-01_53'-57.5' (DI WATER)

Lab Sample ID: 180-99027-3
Matrix: Solid
Date Collected: 11/15/19 15:30
Date Received: 11/21/19 09:00

General Chemistry - Leach

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.3		0.1	0.1	SU			12/04/19 08:25	1

Client Sample ID: DPT-01_53'-57.5' (DI WATER)

Lab Sample ID: 180-99027-4

Date Collected: 12/04/19 08:25

Matrix: Water

Date Received: 11/21/19 09:00

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thorium	0.00090	U	0.0020	0.00090	mg/L		12/05/19 16:15	12/27/19 05:28	2
Uranium	0.00040	U	0.0010	0.00040	mg/L		12/05/19 16:15	12/27/19 05:28	2

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	-0.707	U	0.716	0.721	3.00	1.56	pCi/L	12/06/19 08:29	12/11/19 11:43	1
Gross Beta	0.483	U	0.537	0.539	4.00	0.881	pCi/L	12/06/19 08:29	12/11/19 11:43	1

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0481	U	0.0718	0.0719	1.00	0.123	pCi/L	12/06/19 09:06	12/30/19 11:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.8*		*40 - 110*	*12/06/19 09:06*	*12/30/19 11:24*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.197	U	0.292	0.293	1.00	0.491	pCi/L	12/06/19 09:25	12/18/19 16:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*110*		*40 - 110*	*12/06/19 09:25*	*12/18/19 16:08*	*1*
Y Carrier	*86.6*		*40 - 110*	*12/06/19 09:25*	*12/18/19 16:08*	*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	0.245	U	0.301	0.302	5.00	0.491	pCi/L		01/06/20 11:54	1

Client Sample ID: DPT-02_49'-52' (SITE WATER)

Lab Sample ID: 180-99027-5

Date Collected: 11/14/19 16:10

Matrix: Solid

Date Received: 11/21/19 09:00

General Chemistry - Leach

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	4.9		0.1	0.1	SU			12/04/19 08:25	1

Client Sample ID: DPT-02_49'-52' (SITE WATER)

Lab Sample ID: 180-99027-6

Date Collected: 12/04/19 08:25

Matrix: Water

Date Received: 11/21/19 09:00

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thorium	0.00090	U	0.0020	0.00090	mg/L		12/05/19 16:15	12/27/19 05:35	2
Uranium	0.00040	U	0.0010	0.00040	mg/L		12/05/19 16:15	12/27/19 05:35	2

Client Sample ID: DPT-02_49'-52' (SITE WATER)

Lab Sample ID: 180-99027-6
Matrix: Water
Date Collected: 12/04/19 08:25
Date Received: 11/21/19 09:00

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	20.8	G	4.59	5.17	3.00	4.36	pCi/L	12/06/19 08:29	12/11/19 11:44	1
Gross Beta	26.6		2.23	3.47	4.00	1.59	pCi/L	12/06/19 08:29	12/11/19 11:44	1

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	4.88		0.399	0.593	1.00	0.160	pCi/L	12/06/19 09:06	12/30/19 11:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*106*		*40 - 110*	*12/06/19 09:06*	*12/30/19 11:24*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	8.32		0.733	1.06	1.00	0.514	pCi/L	12/06/19 09:25	12/18/19 16:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*106*		*40 - 110*	*12/06/19 09:25*	*12/18/19 16:08*	*1*
Y Carrier	*88.7*		*40 - 110*	*12/06/19 09:25*	*12/18/19 16:08*	*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	13.2		0.835	1.21	5.00	0.514	pCi/L		01/06/20 11:54	1

Client Sample ID: DPT-02_49'-52' (DI WATER)

Lab Sample ID: 180-99027-7
Matrix: Solid
Date Collected: 11/14/19 16:10
Date Received: 11/21/19 09:00

General Chemistry - Leach

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.3		0.1	0.1	SU			12/04/19 08:25	1

Client Sample ID: DPT-02_49'-52' (DI WATER)

Lab Sample ID: 180-99027-8
Matrix: Water
Date Collected: 12/04/19 08:25
Date Received: 11/21/19 09:00

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thorium	0.00090	U	0.0020	0.00090	mg/L		12/05/19 16:15	12/27/19 06:02	2
Uranium	0.00040	U	0.0010	0.00040	mg/L		12/05/19 16:15	12/27/19 06:02	2

Client Sample ID: DPT-02_49'-52' (DI WATER)

Lab Sample ID: 180-99027-8
Matrix: Water
Date Collected: 12/04/19 08:25
Date Received: 11/21/19 09:00

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	-0.665	U	0.666	0.670	3.00	1.49	pCi/L	12/06/19 08:29	12/11/19 11:43	1
Gross Beta	0.464	U	0.567	0.569	4.00	0.938	pCi/L	12/06/19 08:29	12/11/19 11:43	1

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0273	U	0.0580	0.0580	1.00	0.129	pCi/L	12/06/19 09:06	12/30/19 11:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*108*		*40 - 110*	*12/06/19 09:06*	*12/30/19 11:25*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0590	U	0.260	0.260	1.00	0.458	pCi/L	12/06/19 09:25	12/18/19 16:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*108*		*40 - 110*	*12/06/19 09:25*	*12/18/19 16:10*	*1*
Y Carrier	*87.2*		*40 - 110*	*12/06/19 09:25*	*12/18/19 16:10*	*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	0.0318	U	0.266	0.266	5.00	0.458	pCi/L		01/06/20 11:54	1

Client Sample ID: APT-04S_50'-60' (SITE WATER)

Lab Sample ID: 180-99027-9
Matrix: Solid
Date Collected: 11/18/19 14:20
Date Received: 11/21/19 09:00

General Chemistry - Leach

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**4.6**		0.1	0.1	SU			12/04/19 08:25	1

Client Sample ID: APT-04S_50'-60' (SITE WATER)

Lab Sample ID: 180-99027-10
Matrix: Water
Date Collected: 12/04/19 08:25
Date Received: 11/21/19 09:00

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thorium	0.00090	U	0.0020	0.00090	mg/L		12/05/19 16:15	12/27/19 06:08	2
Uranium	**0.00041**	**I**	0.0010	0.00040	mg/L		12/05/19 16:15	12/27/19 06:08	2

Client Sample ID: APT-04S_50'-60' (SITE WATER)

Lab Sample ID: 180-99027-10
Matrix: Water
Date Collected: 12/04/19 08:25
Date Received: 11/21/19 09:00

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	17.9	G	5.13	5.52	3.00	4.86	pCi/L	12/06/19 08:29	12/11/19 16:00	1
Gross Beta	22.5		2.63	3.46	4.00	2.17	pCi/L	12/06/19 08:29	12/11/19 16:00	1

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	3.49		0.330	0.456	1.00	0.111	pCi/L	12/06/19 09:06	12/30/19 11:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*108*		*40 - 110*	*12/06/19 09:06*	*12/30/19 11:26*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	4.20		0.522	0.649	1.00	0.392	pCi/L	12/06/19 09:25	12/18/19 16:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*108*		*40 - 110*	*12/06/19 09:25*	*12/18/19 16:10*	*1*
Y Carrier	*88.4*		*40 - 110*	*12/06/19 09:25*	*12/18/19 16:10*	*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	7.69		0.618	0.793	5.00	0.392	pCi/L		01/06/20 11:54	1

Client Sample ID: APT-04S_50'-60' (DI WATER)

Lab Sample ID: 180-99027-11
Matrix: Solid
Date Collected: 11/18/19 14:20
Date Received: 11/21/19 09:00

General Chemistry - Leach

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	4.7		0.1	0.1	SU			12/04/19 08:25	1

Client Sample ID: APT-04S_50'-60' (DI WATER)

Lab Sample ID: 180-99027-12
Matrix: Water
Date Collected: 12/04/19 08:25
Date Received: 11/21/19 09:00

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thorium	0.00090	U	0.0020	0.00090	mg/L		12/05/19 16:15	12/27/19 06:15	2
Uranium	0.00040	U	0.0010	0.00040	mg/L		12/05/19 16:15	12/27/19 06:15	2

Client Sample ID: APT-04S_50'-60' (DI WATER)

Lab Sample ID: 180-99027-12
Matrix: Water
Date Collected: 12/04/19 08:25
Date Received: 11/21/19 09:00

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	7.50		2.44	2.59	3.00	2.76	pCi/L	12/06/19 08:29	12/11/19 16:01	1
Gross Beta	7.08		1.09	1.30	4.00	1.04	pCi/L	12/06/19 08:29	12/11/19 16:01	1

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.68		0.303	0.388	1.00	0.103	pCi/L	12/06/19 09:06	12/30/19 11:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.4*		*40 - 110*	*12/06/19 09:06*	*12/30/19 11:26*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.61		0.427	0.490	1.00	0.389	pCi/L	12/06/19 09:25	12/18/19 16:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*110*		*40 - 110*	*12/06/19 09:25*	*12/18/19 16:10*	*1*
Y Carrier	*88.7*		*40 - 110*	*12/06/19 09:25*	*12/18/19 16:10*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	5.29		0.524	0.625	5.00	0.389	pCi/L		01/06/20 11:54	1

Client Sample ID: APT-05S_43'-50' (SITE WATER)

Lab Sample ID: 180-99027-13
Matrix: Solid
Date Collected: 11/18/19 14:25
Date Received: 11/21/19 09:00

General Chemistry - Leach

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	4.4		0.1	0.1	SU			12/04/19 08:25	1

Client Sample ID: APT-05S_43'-50' (SITE WATER)

Lab Sample ID: 180-99027-14
Matrix: Water
Date Collected: 12/04/19 08:25
Date Received: 11/21/19 09:00

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thorium	0.00090	U	0.0020	0.00090	mg/L		12/05/19 16:15	12/27/19 06:22	2
Uranium	0.00051	I	0.0010	0.00040	mg/L		12/05/19 16:15	12/27/19 06:22	2

Client Sample ID: APT-05S_43'-50' (SITE WATER)

Lab Sample ID: 180-99027-14

Date Collected: 12/04/19 08:25

Matrix: Water

Date Received: 11/21/19 09:00

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	32.5	G	5.60	6.72	3.00	4.27	pCi/L	12/06/19 08:29	12/11/19 16:01	1
Gross Beta	23.7		2.29	3.29	4.00	1.96	pCi/L	12/06/19 08:29	12/11/19 16:01	1

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	5.70		0.425	0.666	1.00	0.107	pCi/L	12/06/19 09:06	12/30/19 11:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*106*		*40 - 110*	*12/06/19 09:06*	*12/30/19 11:26*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	8.23		0.731	1.05	1.00	0.528	pCi/L	12/06/19 09:25	12/18/19 16:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*106*		*40 - 110*	*12/06/19 09:25*	*12/18/19 16:10*	*1*
Y Carrier	*88.7*		*40 - 110*	*12/06/19 09:25*	*12/18/19 16:10*	*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	13.9		0.846	1.24	5.00	0.528	pCi/L		01/06/20 11:54	1

Client Sample ID: APT-05S_43'-50' (DI WATER)

Lab Sample ID: 180-99027-15

Date Collected: 11/18/19 14:25

Matrix: Solid

Date Received: 11/21/19 09:00

General Chemistry - Leach

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	4.7		0.1	0.1	SU			12/04/19 08:25	1

Client Sample ID: APT-05S_43'-50' (DI WATER)

Lab Sample ID: 180-99027-16

Date Collected: 12/04/19 08:25

Matrix: Water

Date Received: 11/21/19 09:00

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thorium	0.00090	U	0.0020	0.00090	mg/L		12/05/19 16:15	12/27/19 06:29	2
Uranium	0.00040	U	0.0010	0.00040	mg/L		12/05/19 16:15	12/27/19 06:29	2

Client Sample ID: APT-05S_43'-50' (DI WATER)

Lab Sample ID: 180-99027-16

Date Collected: 12/04/19 08:25

Matrix: Water

Date Received: 11/21/19 09:00

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	3.81		1.60	1.66	3.00	2.11	pCi/L	12/06/19 08:29	12/11/19 16:01	1
Gross Beta	5.73		0.966	1.12	4.00	0.956	pCi/L	12/06/19 08:29	12/11/19 16:01	1

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.86		0.246	0.298	1.00	0.118	pCi/L	12/06/19 09:06	12/30/19 11:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*108*		*40 - 110*	*12/06/19 09:06*	*12/30/19 11:26*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.64		0.366	0.396	1.00	0.401	pCi/L	12/06/19 09:25	12/18/19 16:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*108*		*40 - 110*	*12/06/19 09:25*	*12/18/19 16:10*	*1*
Y Carrier	*90.8*		*40 - 110*	*12/06/19 09:25*	*12/18/19 16:10*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	3.49		0.441	0.496	5.00	0.401	pCi/L		01/06/20 11:54	1

Client Sample ID: MW-20S

Lab Sample ID: 180-99027-17

Date Collected: 11/18/19 13:00

Matrix: Solid

Date Received: 11/21/19 09:00

General Chemistry - Leach

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.1		0.1	0.1	SU			12/04/19 08:25	1

Client Sample ID: MW-20S

Lab Sample ID: 180-99027-18

Date Collected: 12/04/19 08:25

Matrix: Water

Date Received: 11/21/19 09:00

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thorium	0.00090	U	0.0020	0.00090	mg/L		12/05/19 16:15	12/27/19 06:35	2
Uranium	0.00040	U	0.0010	0.00040	mg/L		12/05/19 16:15	12/27/19 06:35	2

Client Sample ID: MW-20S

Lab Sample ID: 180-99027-18
Date Collected: 12/04/19 08:25
Matrix: Water
Date Received: 11/21/19 09:00

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	3.27	U G	2.96	2.98	3.00	4.66	pCi/L	12/06/19 08:29	12/11/19 16:01	1
Gross Beta	**19.1**		1.99	2.75	4.00	1.47	pCi/L	12/06/19 08:29	12/11/19 16:01	1

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**2.48**		0.285	0.361	1.00	0.129	pCi/L	12/06/19 09:06	12/30/19 11:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*109*		*40 - 110*	*12/06/19 09:06*	*12/30/19 11:26*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**2.35**		0.428	0.480	1.00	0.434	pCi/L	12/06/19 09:25	12/18/19 16:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*109*		*40 - 110*	*12/06/19 09:25*	*12/18/19 16:10*	*1*
Y Carrier	*89.3*		*40 - 110*	*12/06/19 09:25*	*12/18/19 16:10*	*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	**4.82**		0.514	0.601	5.00	0.434	pCi/L		01/06/20 11:54	1

Client Sample ID: DI WATER

Lab Sample ID: 180-99027-19
Date Collected: 11/25/19 00:00
Matrix: Solid
Date Received: 11/21/19 09:00

General Chemistry - Leach

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.2**		0.1	0.1	SU			12/04/19 08:25	1

Client Sample ID: DI WATER

Lab Sample ID: 180-99027-20
Date Collected: 12/04/19 08:25
Matrix: Water
Date Received: 11/21/19 09:00

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thorium	0.00090	U	0.0020	0.00090	mg/L		12/05/19 16:15	12/27/19 07:29	2
Uranium	0.00040	U	0.0010	0.00040	mg/L		12/05/19 16:15	12/27/19 07:29	2

Client: Gulf Power Company
Project/Site: Plant Crist

Job ID: 180-99027-1

Client Sample ID: DI WATER

Lab Sample ID: 180-99027-20

Date Collected: 12/04/19 08:25

Matrix: Water

Date Received: 11/21/19 09:00

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	-0.297	U	0.589	0.590	3.00	1.25	pCi/L	12/06/19 08:29	12/11/19 16:02	1
Gross Beta	0.414	U	0.589	0.590	4.00	0.984	pCi/L	12/06/19 08:29	12/11/19 16:02	1

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0214	U	0.0477	0.0478	1.00	0.113	pCi/L	12/06/19 09:06	12/30/19 11:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*105*		*40 - 110*	*12/06/19 09:06*	*12/30/19 11:27*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0219	U	0.262	0.262	1.00	0.475	pCi/L	12/06/19 09:25	12/18/19 16:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*105*		*40 - 110*	*12/06/19 09:25*	*12/18/19 16:10*	*1*
Y Carrier	*89.0*		*40 - 110*	*12/06/19 09:25*	*12/18/19 16:10*	*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	-0.0433	U	0.266	0.266	5.00	0.475	pCi/L		01/06/20 11:54	1

Client: Gulf Power Company
Project/Site: Plant Crist

Job ID: 180-99027-1

Qualifiers

Metals

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.

Rad

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.
X	Carrier is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Lab Chronicle

Client: Gulf Power Company
Project/Site: Plant Crist

Job ID: 180-99027-1

Client Sample ID: DPT-01_53'-57.5' (SITE WATER)

Lab Sample ID: 180-99027-1
Matrix: Solid
Date Collected: 11/15/19 15:30
Date Received: 11/21/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Leach	Leach	1316			1000 g	3000 mL	299351	11/25/19 08:25	LWM	TAL PIT
Leach	Analysis	EPA 9040C		1			300482	12/04/19 08:25	MTW	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DPT-01_53'-57.5' (SITE WATER)

Lab Sample ID: 180-99027-2
Matrix: Water
Date Collected: 12/04/19 08:25
Date Received: 11/21/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	453196	12/05/19 16:15	LAM	TAL SL
Total/NA	Analysis	6020		2			455416	12/27/19 05:21	FLC	TAL SL
	Instrument ID: ICPMS7700									
Total/NA	Prep	Evaporation			148.10 mL	1.0 g	453267	12/06/19 08:29	RJD	TAL SL
Total/NA	Analysis	9310		1			453958	12/11/19 11:43	AJD	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep-21			750.1 mL	1.0 g	453287	12/06/19 09:06	RBR	TAL SL
Total/NA	Analysis	9315		1			455616	12/30/19 11:24	KLS	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			750.1 mL	1.0 g	453291	12/06/19 09:25	RBR	TAL SL
Total/NA	Analysis	9320		1			454564	12/18/19 16:08	KLS	TAL SL
	Instrument ID: GFPCPROTEAN									
Total/NA	Analysis	Ra226_Ra228		1			455800	01/06/20 11:54	SMP	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: DPT-01_53'-57.5' (DI WATER)

Lab Sample ID: 180-99027-3
Matrix: Solid
Date Collected: 11/15/19 15:30
Date Received: 11/21/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Leach	Leach	1316			1000 g	3000 mL	299351	11/25/19 08:25	LWM	TAL PIT
Leach	Analysis	EPA 9040C		1			300482	12/04/19 08:25	MTW	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DPT-01_53'-57.5' (DI WATER)

Lab Sample ID: 180-99027-4
Matrix: Water
Date Collected: 12/04/19 08:25
Date Received: 11/21/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	453196	12/05/19 16:15	LAM	TAL SL
Total/NA	Analysis	6020		2			455416	12/27/19 05:28	FLC	TAL SL
	Instrument ID: ICPMS7700									
Total/NA	Prep	Evaporation			200.04 mL	1.0 g	453267	12/06/19 08:29	RJD	TAL SL
Total/NA	Analysis	9310		1			453958	12/11/19 11:43	AJD	TAL SL
	Instrument ID: GFPCRED									

Lab Chronicle

Client: Gulf Power Company
Project/Site: Plant Crist

Job ID: 180-99027-1

Client Sample ID: DPT-01_53'-57.5' (DI WATER)

Lab Sample ID: 180-99027-4
Matrix: Water
Date Collected: 12/04/19 08:25
Date Received: 11/21/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			750.4 mL	1.0 g	453287	12/06/19 09:06	RBR	TAL SL
Total/NA	Analysis	9315		1			455616	12/30/19 11:24	KLS	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			750.4 mL	1.0 g	453291	12/06/19 09:25	RBR	TAL SL
Total/NA	Analysis	9320		1			454564	12/18/19 16:08	KLS	TAL SL
	Instrument ID: GFPCPROTEAN									
Total/NA	Analysis	Ra226_Ra228		1			455800	01/06/20 11:54	SMP	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: DPT-02_49'-52' (SITE WATER)

Lab Sample ID: 180-99027-5
Matrix: Solid
Date Collected: 11/14/19 16:10
Date Received: 11/21/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Leach	Leach	1316			1000 g	3000 mL	299351	11/25/19 08:25	LWM	TAL PIT
Leach	Analysis	EPA 9040C		1			300482	12/04/19 08:25	MTW	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DPT-02_49'-52' (SITE WATER)

Lab Sample ID: 180-99027-6
Matrix: Water
Date Collected: 12/04/19 08:25
Date Received: 11/21/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	453196	12/05/19 16:15	LAM	TAL SL
Total/NA	Analysis	6020		2			455416	12/27/19 05:35	FLC	TAL SL
	Instrument ID: ICPMS7700									
Total/NA	Prep	Evaporation			146.38 mL	1.0 g	453267	12/06/19 08:29	RJD	TAL SL
Total/NA	Analysis	9310		1			453958	12/11/19 11:44	AJD	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep-21			750.8 mL	1.0 g	453287	12/06/19 09:06	RBR	TAL SL
Total/NA	Analysis	9315		1			455616	12/30/19 11:24	KLS	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			750.8 mL	1.0 g	453291	12/06/19 09:25	RBR	TAL SL
Total/NA	Analysis	9320		1			454564	12/18/19 16:08	KLS	TAL SL
	Instrument ID: GFPCPROTEAN									
Total/NA	Analysis	Ra226_Ra228		1			455800	01/06/20 11:54	SMP	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: DPT-02_49'-52' (DI WATER)

Lab Sample ID: 180-99027-7
Matrix: Solid
Date Collected: 11/14/19 16:10
Date Received: 11/21/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Leach	Leach	1316			1000 g	3000 mL	299351	11/25/19 08:25	LWM	TAL PIT
Leach	Analysis	EPA 9040C		1			300482	12/04/19 08:25	MTW	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DPT-02_49'-52' (DI WATER)

Lab Sample ID: 180-99027-8
Matrix: Water
Date Collected: 12/04/19 08:25
Date Received: 11/21/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	453196	12/05/19 16:15	LAM	TAL SL
Total/NA	Analysis	6020		2			455416	12/27/19 06:02	FLC	TAL SL
	Instrument ID: ICPMS7700									
Total/NA	Prep	Evaporation			199.99 mL	1.0 g	453267	12/06/19 08:29	RJD	TAL SL
Total/NA	Analysis	9310		1			453958	12/11/19 11:43	AJD	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep-21			750.8 mL	1.0 g	453287	12/06/19 09:06	RBR	TAL SL
Total/NA	Analysis	9315		1			455616	12/30/19 11:25	KLS	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			750.8 mL	1.0 g	453291	12/06/19 09:25	RBR	TAL SL
Total/NA	Analysis	9320		1			454565	12/18/19 16:10	CJQ	TAL SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			455800	01/06/20 11:54	SMP	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: APT-04S_50'-60' (SITE WATER)

Lab Sample ID: 180-99027-9
Matrix: Solid
Date Collected: 11/18/19 14:20
Date Received: 11/21/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Leach	Leach	1316			1000 g	3000 mL	299351	11/25/19 08:25	LWM	TAL PIT
Leach	Analysis	EPA 9040C		1			300482	12/04/19 08:25	MTW	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APT-04S_50'-60' (SITE WATER)

Lab Sample ID: 180-99027-10
Matrix: Water
Date Collected: 12/04/19 08:25
Date Received: 11/21/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	453196	12/05/19 16:15	LAM	TAL SL
Total/NA	Analysis	6020		2			455416	12/27/19 06:08	FLC	TAL SL
	Instrument ID: ICPMS7700									
Total/NA	Prep	Evaporation			95.77 mL	1.0 g	453267	12/06/19 08:29	RJD	TAL SL
Total/NA	Analysis	9310		1			453958	12/11/19 16:00	AJD	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep-21			750.3 mL	1.0 g	453287	12/06/19 09:06	RBR	TAL SL
Total/NA	Analysis	9315		1			455616	12/30/19 11:26	KLS	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			750.3 mL	1.0 g	453291	12/06/19 09:25	RBR	TAL SL
Total/NA	Analysis	9320		1			454565	12/18/19 16:10	CJQ	TAL SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			455800	01/06/20 11:54	SMP	TAL SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Gulf Power Company
Project/Site: Plant Crist

Job ID: 180-99027-1

Client Sample ID: APT-04S_50'-60' (DI WATER)

Lab Sample ID: 180-99027-11
Matrix: Solid
Date Collected: 11/18/19 14:20
Date Received: 11/21/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Leach	Leach	1316			1000 g	3000 mL	299351	11/25/19 08:25	LWM	TAL PIT
Leach	Analysis	EPA 9040C		1			300482	12/04/19 08:25	MTW	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APT-04S_50'-60' (DI WATER)

Lab Sample ID: 180-99027-12
Matrix: Water
Date Collected: 12/04/19 08:25
Date Received: 11/21/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	453196	12/05/19 16:15	LAM	TAL SL
Total/NA	Analysis	6020		2			455416	12/27/19 06:15	FLC	TAL SL
	Instrument ID: ICPMS7700									
Total/NA	Prep	Evaporation			200.14 mL	1.0 g	453267	12/06/19 08:29	RJD	TAL SL
Total/NA	Analysis	9310		1			453958	12/11/19 16:01	AJD	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep-21			750.9 mL	1.0 g	453287	12/06/19 09:06	RBR	TAL SL
Total/NA	Analysis	9315		1			455616	12/30/19 11:26	KLS	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			750.9 mL	1.0 g	453291	12/06/19 09:25	RBR	TAL SL
Total/NA	Analysis	9320		1			454565	12/18/19 16:10	CJQ	TAL SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			455800	01/06/20 11:54	SMP	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: APT-05S_43'-50' (SITE WATER)

Lab Sample ID: 180-99027-13
Matrix: Solid
Date Collected: 11/18/19 14:25
Date Received: 11/21/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Leach	Leach	1316			1000 g	3000 mL	299351	11/25/19 08:25	LWM	TAL PIT
Leach	Analysis	EPA 9040C		1			300482	12/04/19 08:25	MTW	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APT-05S_43'-50' (SITE WATER)

Lab Sample ID: 180-99027-14
Matrix: Water
Date Collected: 12/04/19 08:25
Date Received: 11/21/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	453196	12/05/19 16:15	LAM	TAL SL
Total/NA	Analysis	6020		2			455416	12/27/19 06:22	FLC	TAL SL
	Instrument ID: ICPMS7700									
Total/NA	Prep	Evaporation			145.75 mL	1.0 g	453267	12/06/19 08:29	RJD	TAL SL
Total/NA	Analysis	9310		1			453958	12/11/19 16:01	AJD	TAL SL
	Instrument ID: GFPCRED									

Lab Chronicle

Client: Gulf Power Company
Project/Site: Plant Crist

Job ID: 180-99027-1

Client Sample ID: APT-05S_43'-50' (SITE WATER)

Lab Sample ID: 180-99027-14
Matrix: Water
Date Collected: 12/04/19 08:25
Date Received: 11/21/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			750.6 mL	1.0 g	453287	12/06/19 09:06	RBR	TAL SL
Total/NA	Analysis	9315		1			455616	12/30/19 11:26	KLS	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			750.6 mL	1.0 g	453291	12/06/19 09:25	RBR	TAL SL
Total/NA	Analysis	9320		1			454565	12/18/19 16:10	CJQ	TAL SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			455800	01/06/20 11:54	SMP	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: APT-05S_43'-50' (DI WATER)

Lab Sample ID: 180-99027-15
Matrix: Solid
Date Collected: 11/18/19 14:25
Date Received: 11/21/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Leach	Leach	1316			1000 g	3000 mL	299351	11/25/19 08:25	LWM	TAL PIT
Leach	Analysis	EPA 9040C		1			300482	12/04/19 08:25	MTW	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: APT-05S_43'-50' (DI WATER)

Lab Sample ID: 180-99027-16
Matrix: Water
Date Collected: 12/04/19 08:25
Date Received: 11/21/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	453196	12/05/19 16:15	LAM	TAL SL
Total/NA	Analysis	6020		2			455416	12/27/19 06:29	FLC	TAL SL
	Instrument ID: ICPMS7700									
Total/NA	Prep	Evaporation			200.63 mL	1.0 g	453267	12/06/19 08:29	RJD	TAL SL
Total/NA	Analysis	9310		1			453958	12/11/19 16:01	AJD	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep-21			750.1 mL	1.0 g	453287	12/06/19 09:06	RBR	TAL SL
Total/NA	Analysis	9315		1			455616	12/30/19 11:26	KLS	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			750.1 mL	1.0 g	453291	12/06/19 09:25	RBR	TAL SL
Total/NA	Analysis	9320		1			454565	12/18/19 16:10	CJQ	TAL SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			455800	01/06/20 11:54	SMP	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: MW-20S

Lab Sample ID: 180-99027-17
Matrix: Solid
Date Collected: 11/18/19 13:00
Date Received: 11/21/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Leach	Leach	1316			1.0 g	3000 mL	299351	11/25/19 08:25	LWM	TAL PIT
Leach	Analysis	EPA 9040C		1			300482	12/04/19 08:25	MTW	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Gulf Power Company
Project/Site: Plant Crist

Job ID: 180-99027-1

Client Sample ID: MW-20S
Date Collected: 12/04/19 08:25
Date Received: 11/21/19 09:00

Lab Sample ID: 180-99027-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	453196	12/05/19 16:15	LAM	TAL SL
Total/NA	Analysis	6020		2			455416	12/27/19 06:35	FLC	TAL SL
	Instrument ID: ICPMS7700									
Total/NA	Prep	Evaporation			128.54 mL	1.0 g	453267	12/06/19 08:29	RJD	TAL SL
Total/NA	Analysis	9310		1			453958	12/11/19 16:01	AJD	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep-21			750.7 mL	1.0 g	453287	12/06/19 09:06	RBR	TAL SL
Total/NA	Analysis	9315		1			455616	12/30/19 11:26	KLS	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			750.7 mL	1.0 g	453291	12/06/19 09:25	RBR	TAL SL
Total/NA	Analysis	9320		1			454565	12/18/19 16:10	CJQ	TAL SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			455800	01/06/20 11:54	SMP	TAL SL
	Instrument ID: NOEQUIP									

Client Sample ID: DI WATER
Date Collected: 11/25/19 00:00
Date Received: 11/21/19 09:00

Lab Sample ID: 180-99027-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Leach	Leach	1316			1.0 g	3000 mL	299351	11/25/19 08:25	LWM	TAL PIT
Leach	Analysis	EPA 9040C		1			300482	12/04/19 08:25	MTW	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DI WATER
Date Collected: 12/04/19 08:25
Date Received: 11/21/19 09:00

Lab Sample ID: 180-99027-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	453196	12/05/19 16:15	LAM	TAL SL
Total/NA	Analysis	6020		2			455416	12/27/19 07:29	FLC	TAL SL
	Instrument ID: ICPMS7700									
Total/NA	Prep	Evaporation			200.05 mL	1.0 g	453267	12/06/19 08:29	RJD	TAL SL
Total/NA	Analysis	9310		1			453958	12/11/19 16:02	AJD	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep-21			750.9 mL	1.0 g	453287	12/06/19 09:06	RBR	TAL SL
Total/NA	Analysis	9315		1			455616	12/30/19 11:27	KLS	TAL SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			750.9 mL	1.0 g	453291	12/06/19 09:25	RBR	TAL SL
Total/NA	Analysis	9320		1			454565	12/18/19 16:10	CJQ	TAL SL
	Instrument ID: GFPCORANGE									
Total/NA	Analysis	Ra226_Ra228		1			455800	01/06/20 11:54	SMP	TAL SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Gulf Power Company
Project/Site: Plant Crist

Job ID: 180-99027-1

Laboratory References:

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

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

Analyst References:

Lab: TAL PIT

Batch Type: Leach

LWM = Larry Matko

Batch Type: Analysis

MTW = Michael Wesoloski

Lab: TAL SL

Batch Type: Prep

LAM = Leonel Mazariegos

RBR = Rachael Ratcliff

RJD = Ryan Domalewski

Batch Type: Analysis

AJD = Audra DeMariano

CJQ = Caleb Quinn

FLC = Fernando Cruz

KLS = Kody Saulters

SMP = Siobhan Perry

Metals

Prep Batch: 453196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-99027-2	DPT-01_53'-57.5' (SITE WATER)	Total/NA	Water	3010A	
180-99027-4	DPT-01_53'-57.5' (DI WATER)	Total/NA	Water	3010A	
180-99027-6	DPT-02_49'-52' (SITE WATER)	Total/NA	Water	3010A	
180-99027-8	DPT-02_49'-52' (DI WATER)	Total/NA	Water	3010A	
180-99027-10	APT-04S_50'-60' (SITE WATER)	Total/NA	Water	3010A	
180-99027-12	APT-04S_50'-60' (DI WATER)	Total/NA	Water	3010A	
180-99027-14	APT-05S_43'-50' (SITE WATER)	Total/NA	Water	3010A	
180-99027-16	APT-05S_43'-50' (DI WATER)	Total/NA	Water	3010A	
180-99027-18	MW-20S	Total/NA	Water	3010A	
180-99027-20	DI WATER	Total/NA	Water	3010A	
MB 160-453196/1-A	Method Blank	Total/NA	Water	3010A	
LCS 160-453196/2-A	Lab Control Sample	Total/NA	Water	3010A	
180-99027-18 MS	MW-20S	Total/NA	Water	3010A	
180-99027-18 MSD	MW-20S	Total/NA	Water	3010A	

Analysis Batch: 455416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-99027-2	DPT-01_53'-57.5' (SITE WATER)	Total/NA	Water	6020	453196
180-99027-4	DPT-01_53'-57.5' (DI WATER)	Total/NA	Water	6020	453196
180-99027-6	DPT-02_49'-52' (SITE WATER)	Total/NA	Water	6020	453196
180-99027-8	DPT-02_49'-52' (DI WATER)	Total/NA	Water	6020	453196
180-99027-10	APT-04S_50'-60' (SITE WATER)	Total/NA	Water	6020	453196
180-99027-12	APT-04S_50'-60' (DI WATER)	Total/NA	Water	6020	453196
180-99027-14	APT-05S_43'-50' (SITE WATER)	Total/NA	Water	6020	453196
180-99027-16	APT-05S_43'-50' (DI WATER)	Total/NA	Water	6020	453196
180-99027-18	MW-20S	Total/NA	Water	6020	453196
180-99027-20	DI WATER	Total/NA	Water	6020	453196
MB 160-453196/1-A	Method Blank	Total/NA	Water	6020	453196
LCS 160-453196/2-A	Lab Control Sample	Total/NA	Water	6020	453196
180-99027-18 MS	MW-20S	Total/NA	Water	6020	453196
180-99027-18 MSD	MW-20S	Total/NA	Water	6020	453196

General Chemistry

Leach Batch: 299351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-99027-1	DPT-01_53'-57.5' (SITE WATER)	Leach	Solid	1316	
180-99027-3	DPT-01_53'-57.5' (DI WATER)	Leach	Solid	1316	
180-99027-5	DPT-02_49'-52' (SITE WATER)	Leach	Solid	1316	
180-99027-7	DPT-02_49'-52' (DI WATER)	Leach	Solid	1316	
180-99027-9	APT-04S_50'-60' (SITE WATER)	Leach	Solid	1316	
180-99027-11	APT-04S_50'-60' (DI WATER)	Leach	Solid	1316	
180-99027-13	APT-05S_43'-50' (SITE WATER)	Leach	Solid	1316	
180-99027-15	APT-05S_43'-50' (DI WATER)	Leach	Solid	1316	
180-99027-17	MW-20S	Leach	Solid	1316	
180-99027-19	DI WATER	Leach	Solid	1316	
180-99027-1 DU	DPT-01_53'-57.5' (SITE WATER)	Leach	Solid	1316	
180-99027-19 DU	DI WATER	Leach	Solid	1316	

General Chemistry

Analysis Batch: 300482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-99027-1	DPT-01_53'-57.5' (SITE WATER)	Leach	Solid	EPA 9040C	299351
180-99027-3	DPT-01_53'-57.5' (DI WATER)	Leach	Solid	EPA 9040C	299351
180-99027-5	DPT-02_49'-52' (SITE WATER)	Leach	Solid	EPA 9040C	299351
180-99027-7	DPT-02_49'-52' (DI WATER)	Leach	Solid	EPA 9040C	299351
180-99027-9	APT-04S_50'-60' (SITE WATER)	Leach	Solid	EPA 9040C	299351
180-99027-11	APT-04S_50'-60' (DI WATER)	Leach	Solid	EPA 9040C	299351
180-99027-13	APT-05S_43'-50' (SITE WATER)	Leach	Solid	EPA 9040C	299351
180-99027-15	APT-05S_43'-50' (DI WATER)	Leach	Solid	EPA 9040C	299351
180-99027-17	MW-20S	Leach	Solid	EPA 9040C	299351
180-99027-19	DI WATER	Leach	Solid	EPA 9040C	299351
LCS 180-300482/1	Lab Control Sample	Total/NA	Solid	EPA 9040C	
180-99027-1 DU	DPT-01_53'-57.5' (SITE WATER)	Leach	Solid	EPA 9040C	299351
180-99027-19 DU	DI WATER	Leach	Solid	EPA 9040C	299351

Rad

Prep Batch: 453267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-99027-2	DPT-01_53'-57.5' (SITE WATER)	Total/NA	Water	Evaporation	
180-99027-4	DPT-01_53'-57.5' (DI WATER)	Total/NA	Water	Evaporation	
180-99027-6	DPT-02_49'-52' (SITE WATER)	Total/NA	Water	Evaporation	
180-99027-8	DPT-02_49'-52' (DI WATER)	Total/NA	Water	Evaporation	
180-99027-10	APT-04S_50'-60' (SITE WATER)	Total/NA	Water	Evaporation	
180-99027-12	APT-04S_50'-60' (DI WATER)	Total/NA	Water	Evaporation	
180-99027-14	APT-05S_43'-50' (SITE WATER)	Total/NA	Water	Evaporation	
180-99027-16	APT-05S_43'-50' (DI WATER)	Total/NA	Water	Evaporation	
180-99027-18	MW-20S	Total/NA	Water	Evaporation	
180-99027-20	DI WATER	Total/NA	Water	Evaporation	
MB 160-453267/1-A	Method Blank	Total/NA	Water	Evaporation	
LCS 160-453267/2-A	Lab Control Sample	Total/NA	Water	Evaporation	
LCSB 160-453267/3-A	Lab Control Sample	Total/NA	Water	Evaporation	
180-99027-18 MS	MW-20S	Total/NA	Water	Evaporation	
180-99027-18 MSBT	MW-20S	Total/NA	Water	Evaporation	
180-99027-18 DU	MW-20S	Total/NA	Water	Evaporation	

Prep Batch: 453287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-99027-2	DPT-01_53'-57.5' (SITE WATER)	Total/NA	Water	PrecSep-21	
180-99027-4	DPT-01_53'-57.5' (DI WATER)	Total/NA	Water	PrecSep-21	
180-99027-6	DPT-02_49'-52' (SITE WATER)	Total/NA	Water	PrecSep-21	
180-99027-8	DPT-02_49'-52' (DI WATER)	Total/NA	Water	PrecSep-21	
180-99027-10	APT-04S_50'-60' (SITE WATER)	Total/NA	Water	PrecSep-21	
180-99027-12	APT-04S_50'-60' (DI WATER)	Total/NA	Water	PrecSep-21	
180-99027-14	APT-05S_43'-50' (SITE WATER)	Total/NA	Water	PrecSep-21	
180-99027-16	APT-05S_43'-50' (DI WATER)	Total/NA	Water	PrecSep-21	
180-99027-18	MW-20S	Total/NA	Water	PrecSep-21	
180-99027-20	DI WATER	Total/NA	Water	PrecSep-21	
MB 160-453287/13-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-453287/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-453287/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

QC Association Summary

Client: Gulf Power Company
Project/Site: Plant Crist

Job ID: 180-99027-1

Rad

Prep Batch: 453291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-99027-2	DPT-01_53'-57.5' (SITE WATER)	Total/NA	Water	PrecSep_0	
180-99027-4	DPT-01_53'-57.5' (DI WATER)	Total/NA	Water	PrecSep_0	
180-99027-6	DPT-02_49'-52' (SITE WATER)	Total/NA	Water	PrecSep_0	
180-99027-8	DPT-02_49'-52' (DI WATER)	Total/NA	Water	PrecSep_0	
180-99027-10	APT-04S_50'-60' (SITE WATER)	Total/NA	Water	PrecSep_0	
180-99027-12	APT-04S_50'-60' (DI WATER)	Total/NA	Water	PrecSep_0	
180-99027-14	APT-05S_43'-50' (SITE WATER)	Total/NA	Water	PrecSep_0	
180-99027-16	APT-05S_43'-50' (DI WATER)	Total/NA	Water	PrecSep_0	
180-99027-18	MW-20S	Total/NA	Water	PrecSep_0	
180-99027-20	DI WATER	Total/NA	Water	PrecSep_0	
MB 160-453291/13-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-453291/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-453291/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 160-453196/1-A
Matrix: Water
Analysis Batch: 455416

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453196

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thorium	0.00090	U	0.0020	0.00090	mg/L		12/05/19 16:15	12/27/19 05:08	2
Uranium	0.00040	U	0.0010	0.00040	mg/L		12/05/19 16:15	12/27/19 05:08	2

Lab Sample ID: LCS 160-453196/2-A
Matrix: Water
Analysis Batch: 455416

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453196

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Thorium	1.00	1.01		mg/L		101	80 - 120
Uranium	1.00	1.02		mg/L		102	80 - 120

Lab Sample ID: 180-99027-18 MS
Matrix: Water
Analysis Batch: 455416

Client Sample ID: MW-20S
Prep Type: Total/NA
Prep Batch: 453196

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Thorium	0.00090	U	1.00	1.00		mg/L		100	75 - 125
Uranium	0.00040	U	1.00	1.02		mg/L		102	75 - 125

Lab Sample ID: 180-99027-18 MSD
Matrix: Water
Analysis Batch: 455416

Client Sample ID: MW-20S
Prep Type: Total/NA
Prep Batch: 453196

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Thorium	0.00090	U	1.00	1.02		mg/L		102	75 - 125	2	20
Uranium	0.00040	U	1.00	1.03		mg/L		103	75 - 125	1	20

Method: EPA 9040C - pH

Lab Sample ID: LCS 180-300482/1
Matrix: Solid
Analysis Batch: 300482

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.00	7.0		SU		100	99 - 101

Lab Sample ID: 180-99027-1 DU
Matrix: Solid
Analysis Batch: 300482

Client Sample ID: DPT-01_53'-57.5' (SITE WATER)
Prep Type: Leach

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	4.6		4.6		SU		0	2

Lab Sample ID: 180-99027-19 DU
Matrix: Solid
Analysis Batch: 300482

Client Sample ID: DI WATER
Prep Type: Leach

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	6.2		6.2		SU		0	2

Method: 9310 - Gross Alpha / Beta (GFPC)

Lab Sample ID: MB 160-453267/1-A
Matrix: Water
Analysis Batch: 453958

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453267

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	-0.7113	U	0.472	0.478	3.00	1.23	pCi/L	12/06/19 08:29	12/11/19 11:43	1
Gross Beta	-0.4375	U	0.505	0.507	4.00	0.974	pCi/L	12/06/19 08:29	12/11/19 11:43	1

Lab Sample ID: LCS 160-453267/2-A
Matrix: Water
Analysis Batch: 453958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453267

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits
Gross Alpha	49.6	51.88		8.17	3.00	3.05	pCi/L	105	75 - 125

Lab Sample ID: LCSB 160-453267/3-A
Matrix: Water
Analysis Batch: 453958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453267

Analyte	Spike Added	LCSB Result	LCSB Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits
Gross Beta	85.2	89.73		9.52	4.00	0.912	pCi/L	105	75 - 125

Lab Sample ID: 180-99027-18 MS
Matrix: Water
Analysis Batch: 453958

Client Sample ID: MW-20S
Prep Type: Total/NA
Prep Batch: 453267

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits
Gross Alpha	3.27	U G	77.1	56.00	F1	9.65	3.00	4.26	pCi/L	3	60 - 140

Lab Sample ID: 180-99027-18 MSBT
Matrix: Water
Analysis Batch: 453958

Client Sample ID: MW-20S
Prep Type: Total/NA
Prep Batch: 453267

Analyte	Sample Result	Sample Qual	Spike Added	MSBT Result	MSBT Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits
Gross Beta	19.1		132	165.8		17.4	4.00	1.71	pCi/L	111	60 - 140

Lab Sample ID: 180-99027-18 DU
Matrix: Water
Analysis Batch: 453958

Client Sample ID: MW-20S
Prep Type: Total/NA
Prep Batch: 453267

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Gross Alpha	3.27	U G	2.789	U G	3.18	3.00	5.18	pCi/L	0.08	1
Gross Beta	19.1		18.65		2.72	4.00	1.54	pCi/L	0.08	1

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-453287/13-A
Matrix: Water
Analysis Batch: 455616

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453287

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.009281	U	0.0469	0.0469	1.00	0.0907	pCi/L	12/06/19 09:06	12/30/19 11:27	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*107*		*40 - 110*	*12/06/19 09:06*	*12/30/19 11:27*	*1*

Lab Sample ID: LCS 160-453287/1-A
Matrix: Water
Analysis Batch: 455616

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453287

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-226			11.3	9.489		0.976	1.00	0.0819	pCi/L	84	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*109*		*40 - 110*

Lab Sample ID: LCSD 160-453287/2-A
Matrix: Water
Analysis Batch: 455616

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 453287

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Radium-226			11.3	10.01		1.03	1.00	0.109	pCi/L	88	75 - 125	0.26	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*101*		*40 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-453291/13-A
Matrix: Water
Analysis Batch: 454565

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453291

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1401	U	0.264	0.265	1.00	0.451	pCi/L	12/06/19 09:25	12/18/19 16:11	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*107*		*40 - 110*	*12/06/19 09:25*	*12/18/19 16:11*	*1*
Y Carrier	*87.8*		*40 - 110*	*12/06/19 09:25*	*12/18/19 16:11*	*1*

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

Lab Sample ID: LCS 160-453291/1-A
Matrix: Water
Analysis Batch: 454564

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453291

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-228			12.4	11.52		1.36	1.00	0.524	pCi/L	93	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*109*		*40 - 110*
Y Carrier	*87.8*		*40 - 110*

Lab Sample ID: LCSD 160-453291/2-A
Matrix: Water
Analysis Batch: 454564

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 453291

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Radium-228			12.4	11.86		1.38	1.00	0.495	pCi/L	96	75 - 125	0.13	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*111*	*X*	*40 - 110*
Y Carrier	*87.8*		*40 - 110*

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Kyle Carlton / Ted Wilson	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-88889-33036.1
Client Contact: Mr. Mike Markey	Phone: 717-994-3210	E-Mail: cheyenne.whitmire@testamericainc.com		Page: Page 1 of 1
Company: Gulf Power Company				Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days): Standard			
State, Zip: FL, 32520				
Phone: 850-444-6573(Tel)	PO #: Purchase Order not required			
Email: richard.markey@nexteraenergy.com	WO #:			
Project Name: LEAF	Project #: 40005424			
Site: Plant Crist	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	6020 - Uranium & Thorium	9310 - Gross Alpha & Gross Beta	1316_WC 9040C LEAF Extraction	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N	N	N	N	X	
DPT-01_53-57.5'	11/15/19	1530	C	Solid	N	N	X	X	X	X	2	
DPT-02_49'-52'	11/14/19	1610	C	Solid			X	X	X	X	2	
APT-045_50'-60'	11/18/19	1420	C	Solid			X	X	X	X	2	
APT-055_43'-50'	11/18/19	1425	C	Solid			X	X	X	X	2	
MW-205	11/18/19	1300	G	~~Solid~~ Water	X	X				X	5	

180-99027 Chain of Custody

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

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

Deliverable Requested: I, (II), III, IV, Other (specify)

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Ted Wilson	11/19/19 1635	Goodsynter	Kathy R Auer	11-19-19 1635	ETA
Kathy R Auer	11-20-19 1600				

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.1, 4.8, 5.1, 5.0, 5.3 °C IR8

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 180-380083.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: cheyenne.whitmire@testamericainc.com	State of Origin: Florida	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 180-99027-1
Address: 13715 Rider Trail North,	Due Date Requested: 12/4/2019			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Plant Crist	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020/3010A_2% (MOD) Uranium & Thorium	9310/Evaporation (MOD) Gross Alpha & Gross Beta	9315_Ra226/PrecSep_21 Radium 226	9320_Ra228/PrecSep_0 Radium 228	Ra226Ra228_GFPC/ Radium 226 + Radium 228	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
DPT-01_53'-57.5' (SITE WATER) (180-99027-2)	12/4/19	08:25 Eastern		Water			X	X	X	X	X	3	
DPT-01_53'-57.5' (DI WATER) (180-99027-4)	12/4/19	08:25 Eastern		Water			X	X	X	X	X	3	
DPT-02_49'-52' (SITE WATER) (180-99027-6)	12/4/19	08:25 Eastern		Water			X	X	X	X	X	3	
DPT-02_49'-52' (DI WATER) (180-99027-8)	12/4/19	08:25 Eastern		Water			X	X	X	X	X	3	
APT-04S_50'-60' (SITE WATER) (180-99027-10)	12/4/19	08:25 Eastern		Water			X	X	X	X	X	3	
APT-04S_50'-60' (DI WATER) (180-99027-12)	12/4/19	08:25 Eastern		Water			X	X	X	X	X	3	
APT-05S_43'-50' (SITE WATER) (180-99027-14)	12/4/19	08:25 Eastern		Water			X	X	X	X	X	3	
APT-05S_43'-50' (DI WATER) (180-99027-16)	12/4/19	08:25 Eastern		Water			X	X	X	X	X	3	
MW-20S (180-99027-18)	12/4/19	08:25 Eastern		Water			X	X	X	X	X	3	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

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

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 12/4/19 1700	Company DMK	Received by:
Relinquished by:	Date/Time:	Company	Received by:
Relinquished by:	Date/Time:	Company	Received by:

Date/Time:	Company
12.5.19 07:30	ETA STL
Date/Time:	Company
Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 180-380083.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: cheyenne.whitmire@testamericainc.com	State of Origin: Florida	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 180-99027-1
Address: 13715 Rider Trail North,	Due Date Requested: 12/4/2019			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Plant Crist	Project #: 40005424			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020/3010A_2% (MOD) Uranium & Thorium	9310/Evaporation (MOD) Gross Alpha & Gross Beta	9315_Ra226/PrecSep_21 Radium 226	9320_Ra228/PrecSep_0 Radium 228	Ra226Ra228_GFPC/ Radium 226 + Radium 228	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
DI WATER (180-99027-20)	12/4/19	08:25 Eastern		Water			X	X	X	X	X	3	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. I

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

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

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	12/4/19 1200	DDAir		12.5.19 09:30	ETA STL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 180-99027-1

Login Number: 99027
List Number: 1
Creator: Say, Thomas C

List Source: Eurofins TestAmerica, Pittsburgh

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

Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 180-99027-1

Login Number: 99027
List Number: 2
Creator: Harris, Lorin C

List Source: Eurofins TestAmerica, St. Louis
List Creation: 12/05/19 12:43 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	
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.	N/A	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Gulf Power Company
Project/Site: Plant Crist

Job ID: 180-99027-1

Laboratory: Eurofins TestAmerica, Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-20
California	State	2891	04-30-20
Connecticut	State	PH-0688	09-30-20
Florida	NELAP	E871008	06-30-20
Georgia	State	PA 02-00416	04-30-20
Illinois	NELAP	004375	06-30-20
Kansas	NELAP	E-10350	03-31-20
Kentucky (UST)	State	162013	04-30-20
Louisiana	NELAP	04041	06-30-20
Nevada	State	PA00164	07-31-20
New Hampshire	NELAP	2030	04-04-20
New Jersey	NELAP	PA005	06-30-20
New York	NELAP	11182	04-01-20
North Dakota	State	R-227	04-30-20
Oregon	NELAP	PA-2151	02-06-20
Pennsylvania	NELAP	02-00416	04-30-20
South Carolina	State	89014	04-30-20
Texas	NELAP	T104704528	03-31-20
US Fish & Wildlife	US Federal Programs	058448	07-31-20
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Utah	NELAP	PA001462019-8	05-31-20
Virginia	NELAP	10043	09-15-20
West Virginia DEP	State	142	01-31-20
Wisconsin	State	998027800	08-31-20

Accreditation/Certification Summary

Client: Gulf Power Company
Project/Site: Plant Crist

Job ID: 180-99027-1

Laboratory: Eurofins TestAmerica, 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	07-01-20
ANAB	ISO/IEC 17025	L2471	02-22-20
Arizona	State	AZ0710	01-12-20
Arkansas DEQ	State	88-0689	09-01-20
California	State	2510	07-01-20
Florida	NELAP	E81010	06-30-20
Georgia	State	E81010(FL)	06-30-20
Illinois	NELAP	004586	10-09-19 *
Iowa	State	367	08-01-20
Iowa	State Program	367	08-01-20
Kansas	NELAP	E-10253	08-16-20
Kentucky (UST)	State	53	06-30-20
Kentucky (UST)	State Program	53	06-30-20
Kentucky (WW)	State	KY98030	12-31-20
Louisiana	NELAP	30976	06-30-20
Louisiana	NELAP	30976	06-30-20
Louisiana (DW)	NELAP	LA017	12-31-20
Louisiana (DW)	State	LA017	12-31-20
Maryland	State	233	09-30-20
Massachusetts	State	M-FL094	06-30-20
Michigan	State	9912	05-06-20
Minnesota	NELAP	012-999-481	12-31-20
New Jersey	NELAP	FL006	06-30-20
North Carolina (WW/SW)	State Program	314	12-31-20
Oklahoma	State	9810-186	08-31-20
Pennsylvania	NELAP	68-00467	01-31-20
Rhode Island	State	LAO00307	12-30-20
Rhode Island	State Program	LAO00307	12-30-20
South Carolina	State	96026002	06-30-20
South Carolina	State Program	96026	06-30-20
Tennessee	State	TN02907	06-30-20
Texas	NELAP	T104704286	09-30-20
US Fish & Wildlife	Federal	LE058448-0	07-31-20
US Fish & Wildlife	US Federal Programs	LE058448	06-07-20
USDA	Federal	P330-18-00148	05-17-21
USDA	US Federal Programs	P330-18-00148	05-17-21
Virginia	NELAP	460166	06-14-20
Washington	State	C915	05-15-20
West Virginia DEP	State	136	06-30-20

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

Accreditation/Certification Summary

Client: Gulf Power Company
Project/Site: Plant Crist

Job ID: 180-99027-1

Laboratory: Eurofins TestAmerica, St. Louis

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

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2305	04-06-22
ANAB	Dept. of Energy	L2305.01	04-06-22
ANAB	ISO/IEC 17025	L2305	04-06-22
Arizona	State	AZ0813	12-08-20
California	Los Angeles County Sanitation Districts	10259	06-30-20
California	State	2886	06-30-20
Connecticut	State	PH-0241	03-31-21
Florida	NELAP	E87689	06-30-20
HI - RadChem Recognition	State	n/a	06-30-20
Iowa	State	373	09-17-20
Kansas	NELAP	E-10236	10-31-20
Kentucky (DW)	State	KY90125	12-31-20
Louisiana	NELAP	04080	06-30-20
Louisiana (DW)	State	LA011	12-31-20
Maryland	State	310	09-30-20
MI - RadChem Recognition	State	9005	06-30-20
Missouri	State	780	06-30-22
Nevada	State	MO000542020-1	07-31-20
New Jersey	NELAP	MO002	06-30-20
New York	NELAP	11616	04-01-20
North Dakota	State	R-207	06-30-20
NRC	NRC	24-24817-01	12-31-22
Oklahoma	State	9997	08-31-20
Pennsylvania	NELAP	68-00540	02-28-20
South Carolina	State	85002001	06-30-20
Texas	NELAP	T104704193-19-13	07-31-20
US Fish & Wildlife	US Federal Programs	058448	07-31-20
USDA	US Federal Programs	P330-17-00028	02-02-20
Utah	NELAP	MO000542019-11	07-31-20
Virginia	NELAP	10310	06-14-20
Washington	State	C592	08-30-20
West Virginia DEP	State	381	10-31-20

eurofins | Environment Testing TestAmerica



ANALYTICAL REPORT

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

Laboratory Job ID: 400-179840-1
Client Project/Site: CCR Plant Crist

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

Attn: Mr. Mike Markey

Cheyenne Whitmire

Authorized for release by:
12/27/2019 5:11:51 PM

Cheyenne Whitmire, Project Manager II
(850)471-6222
cheyenne.whitmire@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 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.

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Detection Summary

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

Job ID: 400-179840-1

Client Sample ID: DPT-01 — Lab Sample ID: 400-179840-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Thorium	0.0057		0.0020	0.00090	mg/L	2		6020	Total/NA
Uranium	0.0038		0.0010	0.00040	mg/L	2		6020	Total/NA

Client Sample ID: DPT-02 — Lab Sample ID: 400-179840-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Thorium	0.028		0.0020	0.00090	mg/L	2		6020	Total/NA
Uranium	0.0071		0.0010	0.00040	mg/L	2		6020	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

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

Job ID: 400-179840-1

Method	Method Description	Protocol	Laboratory
6020	Metals (ICP/MS)	SW846	TAL SL
3010A	Preparation, Total Metals	SW846	TAL SL

Protocol References:

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

Laboratory References:

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

Sample Summary

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

Job ID: 400-179840-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-179840-1	DPT-01	Water	11/15/19 10:20	11/19/19 16:35	
400-179840-2	DPT-02	Water	11/18/19 11:40	11/19/19 16:35	

Client Sample Results

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

Job ID: 400-179840-1

Client Sample ID: DPT-01
Date Collected: 11/15/19 10:20
Date Received: 11/19/19 16:35

Lab Sample ID: 400-179840-1
Matrix: Water

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thorium	0.0057		0.0020	0.00090	mg/L		12/04/19 13:00	12/09/19 22:49	2
Uranium	0.0038		0.0010	0.00040	mg/L		12/04/19 13:00	12/09/19 22:49	2

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

Job ID: 400-179840-1

Client Sample ID: DPT-02
Date Collected: 11/18/19 11:40
Date Received: 11/19/19 16:35

Lab Sample ID: 400-179840-2
Matrix: Water

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thorium	0.028		0.0020	0.00090	mg/L		12/04/19 13:00	12/09/19 23:43	2
Uranium	0.0071		0.0010	0.00040	mg/L		12/04/19 13:00	12/09/19 23:43	2

Definitions/Glossary

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

Job ID: 400-179840-1

Qualifiers

Metals

Qualifier	Qualifier Description
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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Lab Chronicle

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

Job ID: 400-179840-1

Client Sample ID: DPT-01
Date Collected: 11/15/19 10:20
Date Received: 11/19/19 16:35

Lab Sample ID: 400-179840-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			452935	12/04/19 13:00	LAM	TAL SL
Total/NA	Analysis	6020		2	453764	12/09/19 22:49	FLC	TAL SL

Client Sample ID: DPT-02
Date Collected: 11/18/19 11:40
Date Received: 11/19/19 16:35

Lab Sample ID: 400-179840-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			452935	12/04/19 13:00	LAM	TAL SL
Total/NA	Analysis	6020		2	453764	12/09/19 23:43	FLC	TAL SL

Laboratory References:

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

Metals

Prep Batch: 452935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-179840-1	DPT-01	Total/NA	Water	3010A	
400-179840-2	DPT-02	Total/NA	Water	3010A	
MB 160-452935/1-A	Method Blank	Total/NA	Water	3010A	
LCS 160-452935/2-A	Lab Control Sample	Total/NA	Water	3010A	
400-179840-1 MS	DPT-01	Total/NA	Water	3010A	
400-179840-1 MSD	DPT-01	Total/NA	Water	3010A	

Analysis Batch: 453764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-179840-1	DPT-01	Total/NA	Water	6020	452935
400-179840-2	DPT-02	Total/NA	Water	6020	452935
MB 160-452935/1-A	Method Blank	Total/NA	Water	6020	452935
LCS 160-452935/2-A	Lab Control Sample	Total/NA	Water	6020	452935
400-179840-1 MS	DPT-01	Total/NA	Water	6020	452935
400-179840-1 MSD	DPT-01	Total/NA	Water	6020	452935

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 160-452935/1-A
Matrix: Water
Analysis Batch: 453764

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452935

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thorium	0.00090	U	0.0020	0.00090	mg/L		12/04/19 13:00	12/09/19 22:36	2
Uranium	0.00040	U	0.0010	0.00040	mg/L		12/04/19 13:00	12/09/19 22:36	2

Lab Sample ID: LCS 160-452935/2-A
Matrix: Water
Analysis Batch: 453764

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 452935

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Thorium	1.00	1.03		mg/L		103	80 - 120
Uranium	1.00	1.05		mg/L		105	80 - 120

Lab Sample ID: 400-179840-1 MS
Matrix: Water
Analysis Batch: 453764

Client Sample ID: DPT-01
Prep Type: Total/NA
Prep Batch: 452935

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Thorium	0.0057		1.00	1.05		mg/L		105	75 - 125
Uranium	0.0038		1.00	1.07		mg/L		107	75 - 125

Lab Sample ID: 400-179840-1 MSD
Matrix: Water
Analysis Batch: 453764

Client Sample ID: DPT-01
Prep Type: Total/NA
Prep Batch: 452935

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Thorium	0.0057		1.00	1.06		mg/L		105	75 - 125	1	20
Uranium	0.0038		1.00	1.08		mg/L		108	75 - 125	1	20

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Ted Wilson/Kyle Cadson	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-88309-32882.2
Client Contact: Mr. Mike Markey	Phone: 717-994-3210	E-Mail: cheyenne.whitmire@testamericainc.com		Page: Page 2 of 2
Company: Gulf Power Company				Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days): Standard			
State, Zip: FL, 32520				
Phone: 850-444-6573(Tel)	PO #: Purchase Order not required			
Email: richard.markey@nexteraenergy.com	WO #:			
Project Name: CCR Plant Crist	Project #: 40005424			
Site: Plant Crist.	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

400-179840 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226 - Radium 226	Ra226Ra228_GFPC - Radium 226 + Radium 228	9320_Ra228 - Radium 228	6020 - Uranium & Thorium	9310 - Gross Alpha & Gross Beta	Background water Leach analysis	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	D	D	D			
DPT-01	11/15/19	1020	G	Water	N	N	X	X	X	X	X		3	
DPT-02	11/18/19	1140	G	Water	N	N	X	X	X	X	X		3	
MW-205	11/18/19	1300	G	Water	N	N						X	5	
				Water										
				Water										
				Water										
				Water										
				Water										
				Water										

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	11/19/19 1630	Gpower, Hec	Kathy R Avery	11-19-19 1635	ETA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.1°C, 4.8°C, 5.1°C, 5.0°C, 5.3°C IR8

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 400-179840-1

Login Number: 179840
List Number: 1
Creator: Perez, Trina M

List Source: Eurofins TestAmerica, 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.	True	
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	0.1°C, 4.8°C, 5.1°C, 5.0°C, 5.3°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.	False	No containers received for MW-205.
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: CCs Plant CriAt

Job ID: 1880-927180-

Laboratory: Eurofins TestAmerica, Pensacola

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Authority	Program	Identification Number	Expiration Date
dlabama	State	18-E8	8908-0Q8
dk d3	IS6 /I4C - 98QE	HQ19-	8QQQQ08
driFona	State	dL89-8	8-0-Q08
drganAaA D45	State	7708K72	8208-0Q8
California	State	QE-8	8908-0Q8
(loriha	k4HdP	47-8-8	8K0U80Q8
GeorTia	State	47-8-8)(Hv	8K0U80Q8
IllinoiA	k4HdP	881E7K	-80820-2 Y
Iowa	State	UK9	8708-0Q8
Iowa	State ProTram	UK9	8708-0Q8
RanAaA	k4HdP	40-8QEU	870-K0Q8
Rentucgy)OSxv	State	EU	8K0U80Q8
Rentucgy)OSxv	State ProTram	EU	8K0U80Q8
Rentucgy)& & v	State	RW278U8	-Q0U80-2
HouiAiana	k4HdP	U829K	8K0U80Q8
HouiAiana	k4HdP	U829K	8K0U80Q8
HouiAiana)D& v	k4HdP	Hd8-9	-Q0U-0Q8
HouiAiana)D& v	State	Hd8-9	-Q0U-0-2
V arylanh	State	QUU	820U80Q8
V aAAac. uAettA	State	V 0(H821	8K0U80Q8
V ic. iTan	State	22-Q	8E08K0Q8
V inneAota	k4HdP	8-QQ222017-	-Q0U-0-2
k ew JerAey	k4HdP	(H88K	890U80Q8
k ort. Carolina)& & /S& v	State	U-1	-Q0U-0-2
k ort. Carolina)& & /S& v	State ProTram	U-1	-Q0U-0-2
6 gla. oma	State	27-80-7K	870U-0Q8
PennAyl, ania	k4HdP	K70881K9	8-0U-0Q8
s . ohe IAlanh	State	Hd6 88U89	-Q0U80-2
s . ohe IAlanh	State ProTram	Hd6 88U89	-Q0U80-2
Sout. Carolina	State	2K8QK88Q	8K0U80Q8
Sout. Carolina	State ProTram	2K8QK	8K0U80Q8
xenneAAee	State	xk 8Q289	8K0U80Q8
xeBaA	k4HdP	x-81981Q7K	820U80Q8
OS (iA z & ilhlife	(eheral	H48E711708	890U-0Q8
OS (iA z & ilhlife	OS (eheral ProTramA	H48E7117	8K0890Q8
OSDd	(eheral	PUU80-7088-17	8E0-90Q-
OSDd	OS (eheral ProTramA	PUU80-7088-17	8E0-90Q-
ZirTinia	k4HdP	1K8-KK	8K0-10Q8
& aA inTton	State	C2-E	8E0-E0Q8
& eAt ZirTinia D4P	State	-UK	8K0U80Q8

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Accreditation/Certification Summary

Client: Gulf Power Company
Project/Site: CCs Plant CriAt

Job ID: 1880-927180-

Laboratory: Eurofins TestAmerica, St. Louis

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Authority	Program	Identification Number	Expiration Date
dk d3	DeptNof DefenAe 4HdP	HQU8E	8108K00Q
dk d3	DeptNof 4nerTy	HQU8EN8-	8108K00Q
dk d3	IS6 /I4C - 98QE	HQU8E	8108K00Q
driFona	State	dL87- U	- Q0870038
California	HoAdnTeleA County Sanitation DiAtrictA	- 8QE2	8K0U80038
California	State	Q77K	8K0U80038
Connecticut	State	PM08Q1-	8U0U- 0Q-
(loriha	k4HdP	479K72	8K0U80038
Ml 0s ahC. em s ecoTnition	State	n/a	8K0U80038
Iowa	State	U9U	820- 90038
RanAaA	k4HdP	40- 8QUK	- 80U- 0038
Rentucgy)D& v	State	RW28- QE	- Q0U- 0- 2
HbuiAiana	k4HdP	81878	8K0U80038
HbuiAiana)D& v	State	Hd8- -	- Q0U- 0- 2
V arylanh	State	U- 8	820U80038
V I 0s ahC. em s ecoTnition	State	288E	8K0U80038
V iAAouri	State	978	8K0U800Q
k e, aha	State	V 6 888E1Q8Q80-	890U- 0038
k ew JerAey	k4HdP	V 6 88Q	8K0U80038
k ew Worg	k4HdP	- - K- K	8108- 0038
k ort. Dagota	State	s 0Q89	8K0U80038
k s C	k s C	Q10Q17- 908-	- Q0U- 00Q
6 gla. oma	State	2229	870U- 0038
PennAyl, ania	k4HdP	K7088E18	8Q0Q700038
Sout. Carolina	State	7E88Q88-	8K0U80038
xeBaA	k4HdP	x- 81981- 2U0- 20- U	890U- 0038
OS (iA z & ilhlife	OS (eheral ProTramA	8E7117	890U- 0038
OSDd	OS (eheral ProTramA	PUU80- 90888Q7	8Q08Q0038
Ota.	k4HdP	V 6 888E1Q8- 20- -	890U- 0038
ZirTinia	k4HdP	- 8U- 8	8K0- 10038
& aA inTton	State	CE2Q	870U80038
& eAt ZirTinia D4P	State	U7-	- Q0U- 0- 2

4urofinAxeAtdmerica* PenAacola

12/27/2019

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ANALYTICAL REPORT

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

Laboratory Job ID: 400-179840-2
Client Project/Site: CCR Plant Crist

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

Attn: Mr. Mike Markey

Cheyenne Whitmire

Authorized for release by:
12/27/2019 5:13:05 PM

Cheyenne Whitmire, Project Manager II
(850)471-6222
cheyenne.whitmire@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 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.

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Job ID: 400-179840-2

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-179840-2

RAD

Method 9310: Gross Alpha Beta prep batch 160-451877. 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. DPT-01 (400-179840-1), DPT-02 (400-179840-2), (LCS 160-451877/2-A), (LCSB 160-451877/3-A), (MB 160-451877/1-A), (280-131124-A-70-A), (280-131124-A-70-B MS), (280-131124-A-70-D MSBT), (280-131124-A-70-E MSBTD) and (280-131124-A-70-C MSD)

Method 9310: Gross Alpha Beta prep batch 160-451877. The detection goal was not met for the following samples due to a reduction of the sample size attributed to high residual mass: DPT-01 (400-179840-1), DPT-02 (400-179840-2), (280-131124-A-70-A), (280-131124-A-70-D MSBT) and (280-131124-A-70-C MSD). Analytical results are reported with the detection limit achieved.

Methods 9315: Radium-226 Prep Batch 160-452082. 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. DPT-01 (400-179840-1), DPT-02 (400-179840-2), (LCS 160-452082/1-A), (LCSD 160-452082/2-A) and (MB 160-452082/23-A)

Methods 9320: Radium-228 prep batch 160-452094. 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. DPT-01 (400-179840-1), DPT-02 (400-179840-2), (LCS 160-452094/1-A), (LCSD 160-452094/2-A) and (MB 160-452094/23-A)

Method 9320: Radium-228 prep batch 160-452094. The following samples did not meet the requested limit (RL) due to the reduced sample volume attributed to the presence of matrix interferences (see prep NCM 160-184726). The data have been reported with this narrative. DPT-01 (400-179840-1) and DPT-02 (400-179840-2)

Method Evaporation: Gross Alpha/Beta preparation batch 160-451877. The following samples had additional volume added to reach target mass and efficiency:DPT-01 (400-179840-1) and DPT-02 (400-179840-2). The total sample volume is reflected in the initial amount field

Method PrecSep_0: Radium 228 Prep Batch 160-452094. Samples 400-179840-1 and 400-179840-2 were prepared at a reduced aliquot due to orange discoloration and heavy sediment levels. Samples 160-35811-1, 160-35811-2, 160-35811-3, 160-35811-7, and 160-36484-1 have a slight yellow discoloration.Sample 160-36481-1 has a slight brown discoloration and floating debris that looks like leaves. 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 160-452082. Samples 400-179840-1 and 400-179840-2 were prepared at a reduced aliquot due to orange discoloration and heavy sediment levels. Samples 160-35811-1, 160-35811-2, 160-35811-3, 160-35811-7, and 160-36484-1 have a slight yellow discoloration.Sample 160-36481-1 has a slight brown discoloration and floating debris that looks like leaves. 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 Plant Crist

Job ID: 400-179840-2

Method	Method Description	Protocol	Laboratory
9310	Gross Alpha / Beta (GFPC)	SW846	TAL SL
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
Evaporation	Preparation, Evaporation	None	TAL SL
PrecSep_0	Preparation, Precipitate Separation	None	TAL SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	TAL SL

Protocol References:

None = None

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

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

Laboratory References:

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

Sample Summary

l ien Gu f iPwor nm op ayt j
wmoc/ GRea: l l s wiyt G mTG

Job ID: 400-179840-C

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-179840-1	DwW01	5 yGm	11S12S19 10:C0	11S19S19 16:32	
400-179840-C	DwW0C	5 yGm	11S18S19 11:40	11S19S19 16:32	

Ef moRe T WhTCAp nmdy, wnt Ty/ oiy

Client Sample Results

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

Job ID: 400-179840-2

Client Sample ID: DPT-01

Date Collected: 11/15/19 10:20
Date Received: 11/19/19 16:35

Lab Sample ID: 400-179840-1

Matrix: Water

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	32.7	G	20.0	20.3	3.00	28.1	pCi/L	11/25/19 11:56	12/01/19 16:50	1
Gross Beta	18.0	G	7.75	7.96	4.00	10.4	pCi/L	11/25/19 11:56	12/01/19 16:50	1

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	6.77		0.692	0.922	1.00	0.248	pCi/L	11/26/19 11:10	12/18/19 07:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*64.5*		*40 - 110*	*11/26/19 11:10*	*12/18/19 07:44*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	9.75	G	1.34	1.61	1.00	1.21	pCi/L	11/26/19 12:26	12/02/19 14:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*64.5*		*40 - 110*	*11/26/19 11:10*	*12/20/19 14:34*	*1*
Y Carrier	*94.9*		*40 - 110*	*11/26/19 11:10*	*12/20/19 14:34*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	16.5		1.51	1.86	5.00	1.21	pCi/L		12/19/19 09:07	1

Client Sample Results

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

Job ID: 400-179840-2

Client Sample ID: DPT-02

Date Collected: 11/18/19 11:40
Date Received: 11/19/19 16:35

Lab Sample ID: 400-179840-2

Matrix: Water

Method: 9310 - Gross Alpha / Beta (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	52.4	U G	35.9	36.4	3.00	54.8	pCi/L	11/25/19 11:56	12/01/19 16:50	1
Gross Beta	**39.9**	**G**	12.0	12.6	4.00	15.6	pCi/L	11/25/19 11:56	12/01/19 16:50	1

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**4.84**		0.707	0.831	1.00	0.388	pCi/L	11/26/19 11:10	12/18/19 07:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*4453*		*40 - 110*	*112/ 62/19 11:10*	*1/ 2132/19 07:44*	*1*

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**7.05**	**G**	1.51	1.65	1.00	1.69	pCi/L	11/26/19 12:26	12/02/19 14:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*4453*		*40 - 110*	*112/ 62/19 1/ :/ 6*	*1/ 20/ 219 14:Y8*	*1*
. Carrier	*3Y54*		*40 - 110*	*112/ 62/19 1/ :/ 6*	*1/ 20/ 219 14:Y8*	*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	**11.9**		1.67	1.85	5.00	1.69	pCi/L		12/19/19 09:07	1

Definitions/Glossary

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

Job ID: 400-179840-2

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Lab Chronicle

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

Job ID: 400-179840-2

Client Sample ID: DPT-01

Date Collected: 11/15/19 10:20
Date Received: 11/19/19 16:35

Lab Sample ID: 400-179840-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Evaporation			451877	11/25/19 11:56	RJD	TAL SL
Total/NA	Analysis	9310		1	452574	12/01/19 16:50	SCB	TAL SL
Total/NA	Prep	PrecSep-21			452082	11/26/19 11:10	EJQ	TAL SL
Total/NA	Analysis	9315		1	454480	12/18/19 07:44	KLS	TAL SL
Total/NA	Prep	PrecSep_0			452094	11/26/19 12:26	EJQ	TAL SL
Total/NA	Analysis	9320		1	452675	12/02/19 14:34	SCB	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	454745	12/19/19 09:07	SMP	TAL SL

Client Sample ID: DPT-02

Date Collected: 11/18/19 11:40
Date Received: 11/19/19 16:35

Lab Sample ID: 400-179840-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Evaporation			451877	11/25/19 11:56	RJD	TAL SL
Total/NA	Analysis	9310		1	452574	12/01/19 16:50	SCB	TAL SL
Total/NA	Prep	PrecSep-21			452082	11/26/19 11:10	EJQ	TAL SL
Total/NA	Analysis	9315		1	454480	12/18/19 07:44	KLS	TAL SL
Total/NA	Prep	PrecSep_0			452094	11/26/19 12:26	EJQ	TAL SL
Total/NA	Analysis	9320		1	452675	12/02/19 14:35	SCB	TAL SL
Total/NA	Analysis	Ra226_Ra228		1	454745	12/19/19 09:07	SMP	TAL SL

Laboratory References:

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

Rad

Prep Batch: 451877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-179840-1	DPT-01	Total/NA	Water	Evaporation	
400-179840-2	DPT-02	Total/NA	Water	Evaporation	
MB 160-451877/1-A	Method Blank	Total/NA	Water	Evaporation	
LCS 160-451877/2-A	Lab Control Sample	Total/NA	Water	Evaporation	
LCSB 160-451877/3-A	Lab Control Sample	Total/NA	Water	Evaporation	
280-131124-A-70-B MS	Matrix Spike	Total/NA	Water	Evaporation	
280-131124-A-70-C MSD	Matrix Spike Duplicate	Total/NA	Water	Evaporation	
280-131124-A-70-D MSBT	Matrix Spike	Total/NA	Water	Evaporation	
280-131124-A-70-E MSBTD	Matrix Spike Duplicate	Total/NA	Water	Evaporation	

Prep Batch: 452082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-179840-1	DPT-01	Total/NA	Water	PrecSep-21	
400-179840-2	DPT-02	Total/NA	Water	PrecSep-21	
MB 160-452082/23-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-452082/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-452082/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 452094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-179840-1	DPT-01	Total/NA	Water	PrecSep_0	
400-179840-2	DPT-02	Total/NA	Water	PrecSep_0	
MB 160-452094/23-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-452094/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-452094/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Method: 9310 - Gross Alpha / Beta (GFPC)

Lab Sample ID: MB 160-451877/1-A
Matrix: Water
Analysis Batch: 452574

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 451877

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	-0.05049	U	0.897	0.898	3.00	1.68	pCi/L	11/25/19 11:56	12/01/19 13:08	1
Gross Beta	-0.1787	U	0.482	0.482	4.00	0.900	pCi/L	11/25/19 11:56	12/01/19 13:08	1

Lab Sample ID: LCS 160-451877/2-A
Matrix: Water
Analysis Batch: 452574

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 451877

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits
Gross Alpha	49.6	42.84		6.73	3.00	2.62	pCi/L	86	75 - 125

Lab Sample ID: LCSB 160-451877/3-A
Matrix: Water
Analysis Batch: 452574

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 451877

Analyte	Spike Added	LCSB Result	LCSB Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits
Gross Beta	85.3	91.24		9.66	4.00	0.826	pCi/L	107	75 - 125

Lab Sample ID: 280-131124-A-70-B MS
Matrix: Water
Analysis Batch: 452574

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 451877

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits
Gross Alpha	-0.547	U G	107	101.3		16.4	3.00	6.39	pCi/L	95	60 - 140

Lab Sample ID: 280-131124-A-70-C MSD
Matrix: Water
Analysis Batch: 452574

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 451877

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Gross Alpha	-0.547	U G	107	122.3		18.9	3.00	6.29	pCi/L	114	60 - 140	0.59	1

Lab Sample ID: 280-131124-A-70-D MSBT
Matrix: Water
Analysis Batch: 452574

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 451877

Analyte	Sample Result	Sample Qual	Spike Added	MSBT Result	MSBT Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits
Gross Beta	2.16		184	200.2		21.2	4.00	2.09	pCi/L	108	60 - 140

Method: 9310 - Gross Alpha / Beta (GFPC) (Continued)

Lab Sample ID: 280-131124-A-70-E MSBTD
Matrix: Water
Analysis Batch: 452574

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 451877

Analyte	Sample Result	Sample Qual	Spike Added	MSBTD Result	MSBTD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Gross Beta	2.16		184	187.9		20.0	4.00	2.00	pCi/L	101	60 - 140	0.30	1

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-452082/23-A
Matrix: Water
Analysis Batch: 454500

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452082

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.01952	U	0.0523	0.0523	1.00	0.0965	pCi/L	11/26/19 11:10	12/18/19 07:43	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.6*		*40 - 110*	*11/26/19 11:10*	*12/18/19 07:43*	*1*

Lab Sample ID: LCS 160-452082/1-A
Matrix: Water
Analysis Batch: 454500

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 452082

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-226			11.3	10.27		1.06	1.00	0.102	pCi/L	91	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*91.3*		*40 - 110*

Lab Sample ID: LCSD 160-452082/2-A
Matrix: Water
Analysis Batch: 454500

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 452082

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Radium-226			11.3	11.30		1.15	1.00	0.116	pCi/L	100	75 - 125	0.46	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*90.7*		*40 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-452094/23-A
Matrix: Water
Analysis Batch: 452675

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452094

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.02200	U	0.221	0.221	1.00	0.401	pCi/L	11/26/19 12:26	12/02/19 14:35	1

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

Lab Sample ID: MB 160-452094/23-A
Matrix: Water
Analysis Batch: 452675

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 452094

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	97.6		40 - 110	11/26/19 12:26	12/02/19 14:35	1
Y Carrier	86.7		40 - 110	11/26/19 12:26	12/02/19 14:35	1

Lab Sample ID: LCS 160-452094/1-A
Matrix: Water
Analysis Batch: 452652

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 452094

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Radium-228			9.34	9.014		1.10	1.00	0.470	pCi/L	96	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	91.3		40 - 110
Y Carrier	86.4		40 - 110

Lab Sample ID: LCSD 160-452094/2-A
Matrix: Water
Analysis Batch: 452652

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 452094

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Radium-228			9.34	9.349		1.14	1.00	0.491	pCi/L	100	75 - 125	0.15	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	90.7		40 - 110
Y Carrier	83.4		40 - 110

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Ted Wilson/Kyle Cadson	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-88309-32882.2
Client Contact: Mr. Mike Markey	Phone: 717-994-3210	E-Mail: cheyenne.whitmire@testamericainc.com		Page: Page 2 of 2
Company: Gulf Power Company				Job #:
Address: BIN 731 One Energy Place	Due Date Requested:			
City: Pensacola	TAT Requested (days): Standard			
State, Zip: FL, 32520				
Phone: 850-444-6573(Tel)	PO #: Purchase Order not required			
Email: richard.markey@nexteraenergy.com	WO #:			
Project Name: CCR Plant Crist	Project #: 40005424			
Site: Plant Crist.	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

400-179840 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226 - Radium 226	Ra226Ra228_GFPC - Radium 226 + Radium 228	9320_Ra228 - Radium 228	6020 - Uranium & Thorium	9310 - Gross Alpha & Gross Beta	Background water Leach Analysis	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	D	D	D			
DPT-01	11/15/19	1020	G	Water	N	N	X	X	X	X	X		3	
DPT-02	11/18/19	1140	G	Water	N	N	X	X	X	X	X		3	
MW-205	11/18/19	1300	G	Water	N	N						X	5	
				Water										
				Water										
				Water										
				Water										
				Water										
				Water										

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	11/19/19 1630	Gpower, Hec	Kathy Raney	11-19-19 1635	ETA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.1°C, 4.8°C, 5.1°C, 5.0°C, 5.3°C IR8

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 400-179840-/

Login Number: 179840
List Number: 1
Creator: Perez, Trina M

List Source: Eurofins TestAmerica, Pensacola

Question	Answer	Comment
d acioavtisity wa' nh vkev<ec or i' =Ag bav<. rounc a' mea' urec by a ' ursey meterT	NÆR	
, ke voolerh vu' tocy ' ealSif pre' entSi' intavtT	, rue	
° ample vu' tocy ' eal' Sif pre' entSare intavtT	NÆR	
, ke vooler or ' ample' co not appear to kase been vompromi' ec or tamperec witkT	, rue	
° ample' were reveisec on iveT	, rue	
Cooler , emperature i' avveptableT	, rue	
Cooler , emperature i' revorcecT	, rue	0T15CS4T85CS3T15CS3T05CS3T 5C Cl-8
CF C i' pre' entT	, rue	
CF C i' fillec out in in< anc le. ibleT	, rue	
CF C i' fillec out witk all pertinent informationT	, rue	
O tke ?ielc ° amplerh name pre' ent on CF CM	, rue	
, kere are no ci' vrepanvie' between tke vontainer' reveisec anc tke CF CT	?al' e	No vontainer' reveisec for W2 -/ 03T
° ample' are reveisec witkin Holcin. , ime (exvlucin. te' t' witk immeciate H, ')	, rue	
° ample vontainer' kase le. ible label' T	, rue	
Container' are not bro<en or lea<in. T	, rue	
° ample vollevtion cateAime' are prosicecT	, rue	
Rppropriate ' ample vontainer' are u' ecT	, rue	
° ample bottle' are vompletely fillecT	, rue	
° ample Pre' ersation VerifiecT	, rue	
, kere i' ' uffivient solTfor all reque' tec analy' e' SinvlTany reque' tec W° AW° D'	, rue	
Container' requirin. zero keac' pave kase no keac' pave or bubble i' =6mm (1A4")T	NÆR	
Wultipka' iv ' ample' are not pre' entT	, rue	
° ample' co not require ' plittin. or vompo' itin. T	, rue	
d e' icual Cklorine Ckev<ecT	NÆR	

Accreditation/Certification Summary

Client: Gulf Power Company
Proce/ tS ite: CCA Plant Cridt

Job ID: 1880-92718Q

Laboratory: Eurofins TestAmerica, Pensacola

hll a/ / re. itationdS ertifi/ ationd Nel. by tNd laboratory are lidte. k Eot all a/ / re. itationdS ertifi/ ationd are appli/ able to tNd reportk

Authority	Program	Identification Number	Expiration Date
hlabama	state	18-Q8	8908-Q 8
hEh3	Is6 $4C - 98j Q	Hj 19-	8j Q j Q 8
hriFona	state	hL89-8	8-0-j Q 8
hrgandad D45	state	7708K72	8208-Q 8
California	state	j Q-8	8908-Q 8
(lori. a	E4HhP	47-8-8	8K0U8Q 8
GeorTia	state	47-8-8)(Hv	8K0U8Q 8
Illinoid	E4HhP	881Q7K	-80820-2 Y
Iowa	state	UK9	8708-Q 8
Iowa	state ProTram	UK9	8708-Q 8
Randad	E4HhP	40-8j QU	870-KQ 8
Rentu/ gy)Os x v	state	QU	8K0U8Q 8
Rentu/ gy)Os x v	state ProTram	QU	8K0U8Q 8
Rentu/ gy)& & v	state	RW278U8	-j 0U80-2
Hbuidiana	E4HhP	U829K	8K0U8Q 8
Hbuidiana	E4HhP	U829K	8K0U8Q 8
Hbuidiana)D& v	E4HhP	Hh8-9	-j 0U-Q 8
Hbuidiana)D& v	state	Hh8-9	-j 0U-0-2
V arylan.	state	j UU	820U8Q 8
V adda/ Nudettd	state	V 0(H821	8K0U8Q 8
V i/ NiTan	state	22-j	8Q08KQ 8
V innedota	E4HhP	8-j 0222017-	-j 0U-0-2
Eew Jerdey	E4HhP	(H88K	890U8Q 8
EortN Carolina)& & Ss & v	state	U-1	-j 0U-0-2
EortN Carolina)& & Ss & v	state ProTram	U-1	-j 0U-0-2
6 glaNoma	state	27-80-7K	870U-Q 8
Penndyl, ania	E4HhP	K70881K9	8-0U-Q 8
ANo. e Idlan.	state	Hh6 88U89	-j 0U80-2
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soutN Carolina	state	2K8j K88j	8K0U8Q 8
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xeBad	E4HhP	x-81981j 7K	820U8Q 8
Os (idNz & il. life	(e. eral	H48Q711708	890U-Q 8
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ZirTinia	E4HhP	1K8-KK	8K0-1Q 8
& adNinTton	state	C2-Q	8Q0-Q0 8
& edt ZirTinia D4P	state	-UK	8K0U8Q 8

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Accreditation/Certification Summary

Client: Gulf Power Company
Proce/ tS ite: CCA Plant Cridt

Job ID: 1880-92718[

Laboratory: Eurofins TestAmerica, St. Louis

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hEh3	Deptkof 4nerTy	Hj U8Q8-	8108K[j
hEh3	Is 6 S4C - 98j Q	Hj U8Q	8108K[j
hriFona	state	hL87- U	- j 087[8
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California	state	j 77K	8K0U8[8
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(lori. a	E4HhP	479K72	8K0U8[8
Ml 0Aa. CNem Ae/ oTnition	state	nSa	8K0U8[8
Iowa	state	U9U	820-9[8
Randad	E4HhP	40-8j UK	- 80U- [8
Rentu/ gy)D& v	state	RW28- j Q	- j 0U- 0-2
Hbuidiana	E4HhP	81878	8K0U8[8
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V iddouri	state	978	8K0U8[j
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Eew Jerdey	E4HhP	V 6 88j	8K0U8[8
Eew Worg	E4HhP	- - K- K	8108- [8
EortN Dagota	state	AQ[89	8K0U8[8
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Penndyl, ania	E4HhP	K7088Q18	8j [7[8
s outN Carolina	state	7Q88j 88-	8K0U8[8
xeBad	E4HhP	x- 81981- 2U0-20- U	890U- [8
Os (idNz & il. life	Os (e. eral ProTramd	8Q7117	890U- [8
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ZirTinia	E4HhP	- 8U- 8	8K0- 1[8
& adNinTton	state	CQ2j	870U8[8
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