Prepared for

Crisp County Power Commission
202 S. 7th Street
Cordele, Georgia 31015

2024 SEMI-ANNUAL GROUNDWATER MONITORING REPORT

CRISP COUNTY POWER COMMISSION
PLANT CRISP ASH POND
Warwick, Georgia

Prepared by

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CERTIFICATION BY QUALIFIED GROUNDWATER SCIENTIST

I certify that this Semi-Annual Groundwater Monitoring Report meets the requirements of Section 40 C.F.R. §257 of the Federal Hazardous and Solid Waste Management System; Disposal of Coal Combustion Residuals from Electric Utilities; Final Rule (40 C.F.R. §257) and the Georgia EPD Solid Waste Management Rule for Coal Combustion Residuals (391-3-4-.10). The Semi-Annual Groundwater Monitoring Report includes statistical methods and narrative description appropriate for evaluating the groundwater monitoring data for the CCR management area.

DAWIT YIFRU

Printed Name of Qualified Groundwater Scientist

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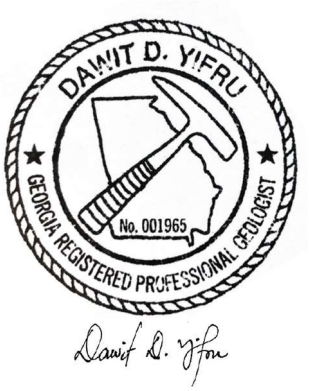

07/31/2024

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LIST OF ACRONYMS AND ABBREVIATIONS

CCPC	Crisp County Power Commission
CCR	Coal Combustion Residuals
C.F.R.	Code of Federal Regulations
cm/sec	Centimeters per Second
DNR	Department of Natural Resources
DO	Dissolved Oxygen
ft/day	Feet per Day
ft/ft	Feet per Foot
ft/year	Feet per Year
GA EPD	Georgia Environmental Protection Division
GWPS	Groundwater Protection Standard
K_h	Horizontal Hydraulic Conductivity
LSADS	Laboratory Services and Applied Science Division
MCL	Maximum Contaminant Level
mg/L	Milligram per Liter
MW	Megawatt
NTU	Nephelometric Turbidity Units
ORP	Oxidation Reduction Potential
PE	Professional Engineer
QA/QC	Quality Assurance/Quality Control
SESD	Science and Ecosystem Support Division
SOP	Standard Operating Procedure
SSI	Statistically Significant Increase
SSL	Statistically Significant Level
SU	Standard Unit
TDS	Total Dissolved Solids
USEPA	United States Environmental Protection Agency
UTL	Upper Tolerance Limit

EXECUTIVE SUMMARY

Crisp County Power Commission (CCPC) has been monitoring the groundwater quality at the Plant Crisp Ash Pond (ash pond) in accordance with the United States Environmental Protection Agency (USEPA) Coal Combustion Residuals (CCR) Rule [40 Code of Federal Regulations (C.F.R.) Part 257, Subpart D] and the Georgia Environmental Protection Division (GA EPD) Rule for CCR (391-3-4-.10). The timeline and status of the monitoring program and the relevant findings and conclusions derived for the reporting period (i.e., between January and June 2024) are summarized as follows:

- In compliance with 40 C.F.R. §257.94, a groundwater detection monitoring program was conducted between February 2017 and September 2017.

- In compliance with 40 C.F.R. §257.95(a), CCPC initiated an assessment monitoring program in March 2018. The ash pond has been monitored under the assessment monitoring program from March 2018 through the current reporting period.

- Pursuant to 40 C.F.R. §257.95 and GA EPD Rule 391-3-4-.10(6), Statistically Significant Increases (SSIs) above background levels were identified for the Appendix III[1] constituents set forth below where concentrations of Appendix III constituents in the downgradient monitoring wells were statistically higher than the concentrations of background wells. No values exceeded regulatory levels or maximum contaminant levels. No Statistically Significant Levels (SSLs) above the Groundwater Protection Standards were identified for Appendix IV[2] constituents during the reporting period. A summary of SSIs of Appendix III and SSLs of Appendix IV parameters is provided in the table below[3].

Appendix III Parameter	April 2024
Calcium	*MW-D2, MW-D3*
Fluoride	*MW-D3*
Sulfate	*MW-D1, MW-D2, MW-D3*
Total Dissolved Solids (TDS)	*MW-D2, MW-D3*
Appendix IV Parameter[4]	*None*

[1] Boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids (TDS)
[2] Antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, fluoride, lead, lithium, mercury, molybdenum, selenium, thallium, and radium 226 + 228
[3] Concentration of select detected constituents were below their laboratory reporting limit (i.e., values shown with "J" flag represent approximate concentrations) as shown in Table 4 and Table 5.
[4] A statistically significant level (SSL) is determined by comparing the confidence intervals developed for each constituent to their groundwater protection standard (GWPS). The GWPS is either the constituent's MCL, if available, or the USEPA Regional Screening Level (RSL), if no MCL is available. If the calculated background interwell tolerance limit is higher than the MCL or the RSL, the background concentration is used as GWPS (40 CFR § 257.95(h)).

- Pursuant to 40 C.F.R. §257.95(d)(1) and GA EPD CCR Rule, assessment monitoring will continue at the ash pond. The next assessment report will be submitted to the GA EPD in January 2025.

1.0 INTRODUCTION

1.1 Overview

Geosyntec Consultants (Geosyntec) of Kennesaw, Georgia, at the request of Crisp County Power Commission (CCPC), prepared this 2024 Semi-Annual Groundwater Monitoring Report for the ash pond located at CCPC's Plant Crisp (the Site). Plant Crisp is located in Warwick, Georgia, on the southern end of Lake Blackshear (**Figure 1**). CCPC installed a groundwater monitoring well network in February 2017 in compliance with the requirements of the 40 Code of Federal Regulations (C.F.R.) §257.91 and Section 391-3-4-.10(6) of the Georgia Environmental Protection Division (GA EPD) Coal Combustion Residuals (CCR) Rule.

A groundwater detection monitoring program was conducted between February and September 2017 in compliance with the requirements of the 40 C.F.R. §257.94. The first Annual Groundwater Monitoring Report summarizing the results of detection groundwater monitoring activities was prepared in January 2018 [Geosyntec, 2018]. Based on the detection monitoring results and in compliance with 40 C.F.R. §257.95(a), CCPC initiated an assessment monitoring program for the ash pond in March 2018. The assessment monitoring continued in 2024 by performing a semi-annual monitoring event in April 2024. The April 2024 assessment monitoring event was performed for constituents listed in Appendix III to part §257 (referred herein as Appendix III constituents) and Appendix IV to part §257 (referred herein as Appendix IV constituents) (40 C.F.R. §257.95(b)). The groundwater monitoring and statistical analyses were performed consistent with the Groundwater Monitoring and Statistical Analysis Plan prepared for the ash pond in October 2017 and revised in April 2020.

The purpose of this report is to present a summary of the April 2024 groundwater assessment monitoring activities and associated laboratory and statistical analysis results. The report has been prepared to meet the semi-annual reporting requirements of GA EPD CCR Rule 391-3-4-.10(6)(c)[5].

In summary, the April 2024 sampling event detected concentrations of 40 C.F.R. §257, Appendix IV constituents, but at concentrations below their respective United States Environmental Protection Agency's (USEPA's) maximum contaminant levels (MCLs)

[5] The semi-annual groundwater monitoring report is a state requirement under DNR Rule 391-3-4.10(6)(c): The owner or operator of a CCR unit must submit a semi-annual report to the Division to coincide with the semi-annual sampling event. A qualified groundwater scientist must certify the report.

(Appendix I to 40 C.F.R. §257)[6] or groundwater protection standard (GWPS), if MCL is not available for the constituent.

1.2 Site History

Plant Crisp is a dual-fuel (coal and natural gas) electrical generation facility, with a 12.5-megawatt (MW) capacity coal-fired unit and 5 MW capacity natural gas combustion turbine. The byproducts of power generation from the combustion of coal (commonly referred to as CCR) at Plant Crisp included mainly fly ash and bottom ash. The CCR was disposed into a 6.5-acre ash pond located within the plant property using wet sluicing method. The ash pond was constructed in the mid-1970s, as an unlined pond [CDM Smith, 2014], and started to receive sluiced ash in 1976. The coal burning and resulting ash disposal was conducted until August 2015. The coal burn unit was briefly re-activated in December 2016 to eliminate an existing small coal supply. The last burning of coal took place on March 22, 2017. The electrical generation facility, ash pond, and hydroelectric dam are located on approximately 100 acres of CCPC property near Lake Blackshear and the Flint River (**Figure 1**). The ash pond was classified as a low hazard unit during the USEPA's CCR impoundment assessment, dated February 2014 and conducted by CDM Smith [CDM Smith, 2014].

In October 2016, CCPC submitted notification of closure by removal in accordance with 40 C.F.R. §257. The original schedule for closure would have removed CCR by February 2018, however, Georgia Department of Natural Resources (DNR) CCR management regulations were issued in November 2016, DNR Rule 391-3-4-.07(5), after the initial closure plan. DNR Rule 391-3-4-.07(5) required GA EPD's approval of CCR management plans for the receiving landfill. GA EPD approved the CCR management plan for the receiving landfill on March 28, 2019. On November 19, 2018, CCPC submitted a CCR permit application for the existing impoundment and closure of the ash pond by removal in accordance with 40 C.F.R. §257.102(c) and the GA EPD CCR Rule 391-3-4-.10 and other GA EPD regulations as applicable. GA EPD issued a permit on August 17, 2020.

The ash pond closure construction started in November 2021 and CCR removal activities were completed in 2023. At the time of writing of this report, final site restoration activities were ongoing.

[6] MCLs are the maximum contaminant levels for potable drinking water which are established setting a lifetime consumption risk or acute level and would be applied to municipal or other drinking water sources (40 CFR § 141.62 and 40 CFR § 141.66).

1.3 Geologic and Hydrogeologic Setting

CCPC is located in the Coastal Plain Physiographic Province of Georgia, which is generally characterized by gently rolling to nearly flat topography. The Coastal Plain Physiographic Province of Georgia is characterized by Late Cretaceous and Cenozoic sedimentary rocks and sediments. Based on the Geologic Map of Georgia [Georgia Department of Natural Resources, 1997], the Site is underlain by Quaternary-aged stream alluvium and undifferentiated terrace deposits underlain by residual soil derived by the weathering of Eocene-aged limestone. Beneath the residuum is Eocene-aged limestone (the Ocala Limestone) that dips gently to the southeast and generally thicken in that direction [Hicks et al, 1987]. The Ocala Limestone comprises part of the Upper Floridan aquifer, which is underlain by low permeability zones within the Lisbon Formation (argillaceous limestone). Subsurface investigations at the Site generally describe the surface geology as embankment fill, alluvium, residuum and limestone bedrock [ND&T, 1994, Rizzo, 2015, Geosyntec, 2019].

The uppermost aquifer at the Site is the unconfined groundwater aquifer that occurs in the alluvium and some upper portions of the residuum. The alluvial sediments consist of alternating layers of clay, silty sand, silty clayey sand, and some gravel (SM, SM-SC). While most of the of the residuum consists of clays and calcareous clay (marl) with limestone fragments, there may be sandy clay and gravelly clay lenses that could act along with the overlying alluvium as part of the uppermost aquifer. Based on field observations (increasing clay content with depth in the residuum and increasing blow counts with depth), the hydraulic conductivity of the residuum is expected to decline with depth. As such, the lower part of the residuum is likely a confining unit and represents the lower boundary of the uppermost aquifer. Recharge to the uppermost aquifer is from infiltration of precipitation.

In March 2019, Geosyntec performed slug testing in four monitoring wells to estimate horizontal hydraulic conductivity (K_h) of the uppermost aquifer. Based on the slug testing results, the geometric mean of the K_h in the uppermost aquifer was estimated as 1.44×10^{-4} centimeter per second (cm/sec) [0.41 feet per day (ft/day)]. This value is similar to the K_h estimated for the alluvium and residuum during previous investigations.

Under natural conditions, the water table surface is a subdued reflection of the topography, with groundwater generally flowing from southeast to northwest from the higher elevations to lower elevations toward the Flint River. The movement of groundwater in the uppermost aquifer can be characterized as porous media flow.

1.4 Groundwater Monitoring Well Network

In accordance with 40 C.F.R. §257.91, a groundwater monitoring system was installed that (1) consists of a sufficient number of wells; (2) is installed at appropriate locations and depths to yield groundwater samples from the uppermost aquifer; and (3) represents the groundwater quality both upgradient of the units (i.e., background conditions) and passing the waste boundary of the units. The number, spacing, and depths of the groundwater monitoring wells were selected based on the characterization of site-specific hydrogeologic conditions. The well network was certified by a professional engineer (PE) on June 14, 2017; the certification is maintained in the facility's Operating Record. Well construction diagrams of the monitoring wells were included in the January 2018 Annual Groundwater Monitoring Report [Geosyntec, 2018] as well as the Groundwater Monitoring and Statistical Analysis Plan [Geosyntec, 2020]. The certified groundwater monitoring well network includes one monitoring well (MW-U1) located upgradient of the ash pond, representing background groundwater conditions, and three monitoring wells (MW-D1, MW-D2, and MW-D3) located downgradient of the ash pond. The locations of the monitoring wells are shown on **Figure 1** and well construction details are provided in **Table 1**. The monitoring wells are screened in the uppermost aquifer underlying the ash pond, which occurs in the alluvium and some upper portions of the residuum.

CCPC does not currently plan to expand the certified monitoring well network for the ash pond. During the monitoring period: (i) all wells were functioning properly; (ii) there were no dry wells; and (iii) no additional well installation or abandonment was conducted. Therefore, no corrective action is needed for any of the four monitoring wells.

2.0 GROUNDWATER SAMPLING AND LABORATORY ANALYSIS RESULTS

2.1 Groundwater Sampling and Laboratory Analysis

Groundwater assessment monitoring event for this reporting period was conducted on April 23, 2024. The groundwater samples were collected in accordance with the USEPA Laboratory Services & Applied Science Division (LSASD) Operating Procedure (LSASDPROC-301-R6) [USEPA, Athens, Georgia, 2023].

Prior to sampling, depth to groundwater and total well depth were measured for each monitoring well using an electrical water level indicator. The water level indicator was cleaned between wells following the decontamination procedure listed under SESDPROC-205-R3 [USEPA, Athens, Georgia, 2015]. Depth to groundwater data and groundwater elevations are summarized in **Table 2**[7]. The groundwater elevation data were used to prepare a potentiometric surface map, provided as **Figure 2**. Based on the potentiometric surface map, groundwater flow direction is from southeast towards northwest with a hydraulic gradient of approximately 0.012 feet per foot (ft/ft) (**Table 3**). The average horizontal groundwater flow velocity was calculated using Darcy's equation as approximately 9.0 feet per year (ft/year) (**Table 3**).

Groundwater sampling was performed using a low-flow sampling method. To assess that the samples collected were representative of the groundwater in the aquifer, field water quality parameters were measured during purging using a Horiba U-52 water quality meter. These parameters include temperature, pH, conductivity, oxidation-reduction potential (ORP), and dissolved oxygen (DO). Measurements were taken within an enclosed flow-through cell to minimize effects of contact with air. Turbidity was measured using LaMotte 2020we turbidity meter. Purging was considered complete when the following stabilization criteria were met for at least three consecutive measurements (as defined by LSASD operating Procedure ID. LSASDPROC-301-R6):

- pH ± 0.1 Standard Units (SU);
- Conductivity ± 5%;
- Turbidity measured less than 10 nephelometric turbidity units (NTU);

[7] In addition to the ash pond monitoring wells (MW-D1, MW-D2, MW-D3, and MW-U1), depth to groundwater level measurements and the calculated groundwater elevations in monitoring wells installed in 2022 for secondary ash areas (MW-D4 through MW-D9 and MW-U2) are presented in Table 2. Groundwater elevation data from the ash pond monitoring wells, the secondary ash areas monitoring wells, and water level data from Lake Blackshear are used to make the potentiometric surface map.

- Other parameters used are dissolved oxygen ±0.2 milligrams per liter (mg/L) or ±10% change in saturation, whichever is greater and ORP (reasonable ORP stability goal is ± 20 mV).

Field groundwater sampling forms are provided in **Appendix A.**

The groundwater samples were collected in laboratory-provided containers. Following sampling, the bottles were sealed, labeled, packed in ice, and shipped under chain-of-custody protocol to Eurofins Environment Testing in Pensacola, FL, a certified laboratory pursuant to the Georgia State Program. The chain-of-custody procedures were conducted in accordance with SESDPROC-005-R2 [USEPA, Athens, Georgia 2013]. The groundwater samples were analyzed for Appendix III constituents (i.e., boron, calcium, chloride, fluoride, sulfate, total dissolved solids) and Appendix IV constituents (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, fluoride, lead, lithium, mercury, molybdenum, radium 226 and 228 combined, selenium, and thallium). The metal constituents were analyzed as total recoverable as the samples were not field-filtered. Radium was analyzed at Eurofins Environment Testing in St. Louis, MO. Groundwater pH, also an Appendix III constituent, was measured in the field using a Horiba water quality meter.

Field duplicate sample (DUP-22) was collected from monitoring well MW-D1 for quality assurance/quality control (QA/QC). The duplicate sample was collected in laboratory-provided bottles and shipped to Eurofins Environment Testing laboratories using the same chain-of-custody as the primary samples for analysis of the same parameters. Results from the duplicate sample was presented in **Table 4** and **Table 5**. Field sampling quality control samples (field blank and equipment blank) were also collected during the April 2024 monitoring event.

2.2 Groundwater Monitoring Results

Laboratory analytical results for Appendix III constituents from the April 2024 monitoring event are summarized in **Table 4**. Appendix III constituents were detected in the upgradient and downgradient monitoring well locations.

Laboratory analytical results for Appendix IV constituents are summarized in **Table 5**. Low levels of Appendix IV constituents (arsenic, barium, fluoride, molybdenum, and radium 226 and 228 combined) were detected in the downgradient monitoring wells. Similarly, low levels of barium, chromium, and fluoride were detected in the background/upgradient monitoring well MW-U1. **Table 5** shows that all the detected concentrations of Appendix IV constituents are below their respective USEPA's MCLs or groundwater protection standards (GWPS). Low level Appendix IV constituents

detected during the April 2024 monitoring event can be naturally occurring as some of these constituents were also detected at low concentrations in the background well. Laboratory reports are included in **Appendix B**. Results of the field sampling quality control samples (field blank and equipment blank) are also provided in **Appendix B**.

The April 2024 assessment monitoring results were statistically evaluated in accordance with 40 C.F.R. §257.93(g). The statistical analysis results are discussed in Section 3.

3.0 STATISTICAL DATA ANALYSIS PROCEDURES

Statistical analysis of the groundwater data collected during the assessment monitoring event was performed in accordance with the methods listed in the Groundwater Monitoring and Statistical Analysis Plan [Geosyntec, 2020]. The statistical methods meet the requirements of the methods specified in 40 C.F.R. §257.93(f) (1) through (5) and the performance standards specified in 40 C.F.R. §257.93(g). Statistical analysis was performed using Sanitas™ v.9.6.05 software for Appendix III and Appendix IV constituents. Sanitas™ is a decision-support software package, that incorporates the statistical tests required of Subtitle C and D facilities by USEPA regulations and guidance as recommended in the USEPA document Statistical Analysis of Groundwater Data at RCRA Facilities Unified Guidance (Unified Guidance) (USEPA, 2009).

The primary objectives of the statistical data analysis conducted during this reporting period are:

(i) To assess if Appendix III constituents have returned to background levels.

(ii) To calculate statistically derived background concentration for each Appendix IV constituent. The statistically derived background concentration is used as GWPS when the statistically derived background concentration is higher than the MCL (if an MCL has been established under 40 C.F.R. §161.62 and §141.66) or the standard listed under 40 C.F.R. §257.95 (h)(2) for those constituents without an established MCL.

(iii) To construct a lower confidence interval for each Appendix IV constituent at each downgradient well and compare the lower confidence interval to an established GWPS and determine whether a statistically significant level (SSL) is present at any of the downgradient monitoring wells.

Detailed statistical methods used for Appendix III and Appendix IV constituents are discussed in Sections 3.1 and 3.2.

3.1 Appendix III Statistical Methods

Based on guidance from GA EPD, statistical tests used to evaluate the groundwater monitoring data consist of interwell prediction limits (PLs). Interwell PLs pool upgradient well data to establish a background limit for an individual constituent, and the most recent sample from each downgradient well is compared to the background limit to assess whether there are significant statistical increases (SSIs). An "initial exceedance" occurs when an Appendix III constituent reported in the groundwater of a downgradient compliance monitoring well exceeds the constituent's associated PL.

3.2 Appendix IV Statistical Methods

As a first step in developing the GWPS, groundwater data from the background well were screened for potential outlier (anomalous) data. In addition to visual inspection using time-series plots, statistical methods, such as the USEPA 1989 Outlier Screening method, were used to identify outliers in the groundwater data (when the data was normally distributed). Tukey's Outlier Screening method was used when background well data was not normally distributed. Although outliers were detected, they were not removed from the statistical analysis due to: (i) a large number of non-detects (also referred as censored data in the USEPA Unified Guidance) in the data set; and (ii) the USEPA Unified Guidance recommendation on screening data only if the source of the outlier is known. Data distribution was checked using Shapiro Wilk method at 99% confidence level. This method is appropriate for a sample size of less than 50. For statistical data analysis, non-detect laboratory results were replaced with their reporting limit in accordance with the USEPA Unified Guidance recommendation [USEPA, 2009].

The USEPA Unified Guidance recommends utilizing upper tolerance limits (UTL) from the background well to establish background concentrations. In addition, the CCR Rule lists the UTL method, calculated using data from the background well, as one of the methods acceptable for CCR data analysis [40 C.F.R. §257.93(f)(3)]. As a result, the GWPSs for the site were developed utilizing the UTL method and generally consisted of the following procedures:

- Parametric tolerance limits (95% coverage and 95% confidence) were constructed when the background data followed a normal or transformed-normal distribution.

- Non-parametric tolerance limits were calculated for data sets with greater than 50% non-detect values, and for data sets which do not follow a normal or transformed-normal distribution.

- The UTL was calculated for each constituent using background well data collected during the eight detection monitoring events and the assessment monitoring events conducted to date. As described in 40 C.F.R. §257.95(h), which was adopted into the GA EPD Rules for Solid Waste Management 391-3-4-.10 on February 22, 2022, the GWPS is:

    (1) the maximum contaminant level (MCL) established under 40 C.F.R. §141.62 and §141.66.

    (2) where an MCL has not been established:

(i) Cobalt 0.006 mg/L;

(ii) Lead 0.015 mg/L;

(iii) Lithium 0.040 mg/L; and

(iv) Molybdenum 0.100 mg/L.

(3) the UTL computed from background well data for constituents where the UTL is higher than the MCL or rule-specified GWPS.

3.3 Evaluation of SSLs for Appendix IV Constituents

The USEPA Unified Guidance [USEPA, 2009] recommends utilizing the lower confidence interval from a downgradient well along with the double quantification rule to evaluate SSLs. A 99% lower confidence interval was constructed for each constituent at each downgradient well and the double quantification rule was used to evaluate SSLs. Under this rule, an SSL can be concluded if the lower confidence limit is higher than the GWPS.

4.0 STATISTICAL ANALYSIS RESULTS

Appendix III statistical analyses results identified SSIs for the following constituents: calcium, fluoride, sulfate, and TDS. The PL for each constituent and the list of wells with SSIs are summarized in **Table 6**. Because groundwater conditions have not returned to background, assessment monitoring should continue pursuant to 40 C.F.R. §257.95(d)(1) and GA EPD CCR Rule.

The statistical analysis results for Appendix IV constituents are summarized in **Table 7**, which shows the (i) ratio of non-detects to total number of samples; (ii) basic statistics for each constituent in a monitoring well such as minimum and maximum; (iii) UTL of each constituent constructed based on the background well data; (iv) an MCL value for the constituent (if available) established under 40 C.F.R. §161.62 and 40 C.F.R. §141.66 or the standard listed under 40 C.F.R. §257.95(h)(2); and (v) the selected GWPS for each constituent.

Table 8 shows the lower confidence limit constructed for each Appendix IV constituent at each downgradient well and the results of comparison between the lower confidence limit and the selected GWPS to evaluate if there are any SSLs. Comparison of the lower confidence limit to the selected GWPS revealed no SSLs during the reporting period. The Sanitas™ statistical calculations and time-series graphs for each constituent are provided in **Appendix C**.

5.0 FUTURE GROUNDWATER MONITORING PROGRAM

Data collected during the assessment monitoring event indicated that Appendix IV constituents detected in the downgradient monitoring wells were below their respective GWPS. Pursuant to the CCR Rule 40 C.F.R. §257.95(d)(1) and GA EPD's CCR Rules, CCPC will continue groundwater sampling semi-annually for Appendix III and Appendix IV constituents. The next semi-annual groundwater monitoring report will be submitted by January 31, 2025 pursuant to the GA EPD CCR Rule 391-3-4-.10(6)(c).

The ash pond's restoration activities are anticipated to be complete in 2024. Assuming the concentrations of the Appendix IV constituents continue to remain below their respective GWPS, CCPC will revisit and update the groundwater monitoring timeline in accordance with 40 C.F.R. §257.102(c), GA EPD CCR Rule 391-3-4-.10, and the requirements listed in the ash pond's CCR handling permit.

6.0 REFERENCES

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TABLES

Table 1. Monitoring Well Network Summary
Crisp County Power Commission
Plant Crisp Ash Pond

Well ID	Hydraulic Location	Installation Date	Well Depth (ft BTOC)	Easting[(1)]	Northing[(1)]	TOC Elevation[(2)] (ft MSL)	Screen Interval Elevation[(2)] (ft MSL)
MW-D1	Downgradient	2/22/2017	22.9	2365315.12	670708.47	241.77	218.85 - 228.85
MW-D2	Downgradient	2/21/2017	22.6	2365308.73	671291.61	232.66	209.64 - 219.64
MW-D3	Downgradient	2/22/2017	22.7	2365715.53	671291.07	233.77	210.52 - 220.52
MW-U1	Upgradient	2/23/2017	37.4	2366420.55	669996.79	249.52	212.78 - 222.78

Notes:
ft = feet
MSL = above mean sea level
TOC = Top of casing
BTOC = Below top of casing
The easting, northing, and TOC elevations were obtained from a revised survey performed by J.B. Faircloth & Associates, P.C. on 26 November 2019.
(1): The easting and northing coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet.
(2): Elevations referenced to the North American Vertical Datum of 1988 (NAVD88).

Table 2. Groundwater Elevation Summary
Crisp County Power Commission
Plant Crisp Ash Pond

Well ID	Monitoring CCR Unit	TOC Elevation (ft MSL)[1]	Date: 4/23/2024	
			Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft MSL)
MW-D1	Ash Pond	241.77	13.53	228.24
MW-D2	Ash Pond	232.66	11.73	220.93
MW-D3	Ash Pond	233.78	6.18	227.60
MW-U1	Ash Pond	249.52	7.85	241.67
MW-D4	Secondary Ash Area	246.51	8.92	237.59
MW-D5	Secondary Ash Area	241.16	7.23	233.93
MW-D6	Secondary Ash Area	252.63	19.92	232.71
MW-D7	Secondary Ash Area	230.18	6.29	223.89
MW-D8	Secondary Ash Area	226.76	6.46	220.30
MW-D9	Secondary Ash Area	221.42	6.25	215.17
MW-U2	Secondary Ash Area	248.79	7.48	241.31
Lake Blackshear[2]	--	--	--	236.98

Notes:
ft = feet
MSL = mean sea level
TOC = Top of casing
BTOC = Below top of casing
-- : not applicable
[1]: Elevations referenced to the North American Vertical Datum of 1988 (NAVD88).
[2]: Surface water elevation at 12 pm on 4/23/2024.

Table 3. Hydraulic Gradient and Groundwater Flow Velocity Calculations
Crisp County Power Commission
Plant Crisp Ash Pond

Location	Hydraulic Gradient (4/23/2024)				Groundwater Flow Velocity (4/23/2024)		
	h_1 (ft)	h_2 (ft)	Δl (ft)	$\Delta h/\Delta l$ (ft/ft)	K_h(ft/day)	ηe	V (ft/year)[1]
Between MW-U1 (h_1) and MW-D9 (h_2)	241.67	215.17	2,075	0.013	0.41	0.20	9.6
Between MW-D4 (h_1) and MW-D9 (h_2)	237.59	215.17	1,690	0.013	0.41	0.20	9.9
Between Lake Blackshear (h_1) and MW-D3 (h_2)	236.98	227.60	905	0.010	0.41	0.20	7.8
Average	**0.012**				**9.0**		

Notes:

ft = feet

ft/day = feet per day

ft/ft = feet per foot

ft/year = feet per year

h_1 and h_2 = groundwater elevation for upgradient and downgradient locations, respectively.

$\Delta h/\Delta l$ = hydraulic gradient

K_h = hydraulic conductivity geometric mean of 0.41 ft/day estimated using slug testing in ash pond monitoring wells.

Δl = distance between h_1 and h_2 locations.

ηe = effective porosity (estimated based on fine-grained sand aquifer) (Kresic, 2007)

V = groundwater flow velocity

(1) Groundwater flow velocity equation: $V = [K_h * (\Delta h/\Delta l)] / \eta e$

Table 4. Appendix III Analytical Data Summary - Sampling Performed on 23 April 2024
Crisp County Power Commission
Plant Crisp Ash Pond

Appendix III to 40 C.F.R. Part 257 - Constituents for Detection Monitoring

Constituent	Unit	MCL[1]	MDL[2]	Upgradient Well ID	Downgradient Well ID			
				MW-U1	MW-D1		MW-D2	MW-D3
					MW-D1	DUP-22		
Boron	mg/L	N/A	0.022	ND	0.099	0.098	0.10	0.12
Calcium	mg/L	N/A	0.14	33	21	20	110	64
Chloride	mg/L	N/A	1.4	1.5 J	4.7	2.8	3.7	2.5
Fluoride	mg/L	4	0.022	0.050 J	0.047 J	0.040 J	0.059 J	0.13
Sulfate	mg/L	N/A	1.4	2.3 J	12	11	11	22
pH[3]	SU	N/A	--	7.92	6.25	6.25	6.80	7.50
Total Dissolved Solids	mg/L	N/A	5.0	120	84	80	330	220

Notes:
mg/L = milligrams per liter.
ND = the constituent was not detected above the analytical method detection limit (MDL).
MCL = Maximum Contaminant Level
MDL = Method Detection Limit
S.U. = Standard Unit.
N/A = not applicable because the constituent does not have an MCL.
J = result is less than the reporting level but greater than or equal to the MDL and the reported concentration is an approximate value.
-- = not applicable
DUP-22 is a duplicate sample collected from MW-D1.
(1): MCLs indicate USEPA maximum contaminant levels. MCLs are established under 40 CFR §141.62 and 40 CFR §141.66.
(2): MDL indicates minimum detection limit, which is the minimum concentration of analyte that can be measured and reported.
(3): The pH value was recorded at the time of sample collection in the field.

Table 5. Appendix IV Analytical Data Summary - Sampling Performed on 23 April 2024
Crisp County Power Commission
Plant Crisp Ash Pond

Appendix IV to 40 C.F.R. Part 257 - Constituents for Assessment Monitoring

Constituent	Unit	MCL[1]	CCR-Rule Specified [2]	MDL	Upgradient Well ID	Downgradient Well ID			
					MW-U1	MW-D1		MW-D2	MW-D3
						MW-D1	DUP-22		
Antimony	mg/L	0.006	N/A	0.00034	ND	ND	ND	ND	ND
Arsenic	mg/L	0.01	N/A	0.00086	ND	ND	ND	ND	0.0012 J
Barium	mg/L	2	N/A	0.00089	0.0018 J	0.015	0.012	0.13	0.038
Beryllium	mg/L	0.004	N/A	0.00020	ND	ND	ND	ND	ND
Cadmium	mg/L	0.005	N/A	0.000078	ND	ND	ND	ND	ND
Chromium	mg/L	0.1[3]	N/A	0.0012	0.0012 J	ND	ND	ND	ND
Cobalt	mg/L	N/A	0.006	0.00022	ND	ND	ND	ND	ND
Fluoride	mg/L	4	N/A	0.022	0.050 J	0.047 J	0.040 J	0.059 J	0.13
Lead	mg/L	0.015[4]	N/A	0.00021	ND	ND	ND	ND	ND
Lithium	mg/L	N/A	0.04	0.0020	ND	ND	ND	ND	ND
Mercury	mg/L	0.002[5]	N/A	0.00008	ND	ND	ND	ND	ND
Molybdenum	mg/L	N/A	0.1	0.00086	ND	ND	ND	ND	0.0049 J
Radium 226 and 228 Combined	pCi/L	5	N/A	--[6]	-0.150 U	0.925	0.636	0.189 U	0.113 U
Selenium	mg/L	0.05	N/A	0.00099	ND	ND	ND	ND	ND
Thallium	mg/L	0.002	N/A	0.00026	ND	ND	ND	ND	ND

Notes:

mg/L = milligrams per liter.

pCi/L = picocuries per liter.

ND = the constituent was not detected above the analytical method detection limit (MDL).

J = concentration is less than the reporting level but greater than or equal to the MDL and the reported concentration is an approximate value.

U = result is less than the sample detection limit.

N/A = not applicable for the constituent.

[1]: MCLs indicate USEPA maximum contaminant levels. MCLs are established under 40 CFR §141.62 and 40 CFR §141.66.

[2]: On February 22, 2022, the Georgia Environmental Protection Division (GA EPD) adopted the federally promulgated Groundwater Protection Standard (GWPS) for cobalt, lithium, lead, and molybdenum.

[3]: MCL value for total chromium.

[4]: Lead Treatment Technology Action Level is 0.015 mg/L.

[5]: Value for inorganic mercury.

[6]: During the analysis of radium, background concentrations are substracted, thus each sample have a different Minimum Detectable Concentration (MDC). The MDCs were as follows: 0.501 pCi/L for MW-U1, 0.591 pCi/L for MW-D1, 0.465 pCi/L for MW-D2, 0.493 pCi/L for MW-D3, and 0.475 pCi/L for DUP-22.

Table 6. Evaluation of SSIs for Appendix III Constituents
Crisp County Power Commission
Plant Crisp Ash Pond

Appendix III to Part 257 Constituents for Detection Monitoring	Prediction Limit[1]	Wells with SSI (April 2024 Monitoring)
Boron (mg/L)	0.34	None
Calcium (mg/L)	39.31	MW-D2. MW-D3
Chloride (mg/L)	9.833	None
Field pH (SU)	<5.789 or >9.355	None
Fluoride (mg/L)	0.09977	MW-D3
Sulfate (mg/L)	8.867	MW-D1, MW-D2, MW-D3
Total Dissolved Solids (TDS) (mg/L)	142.5	MW-D2, MW-D3

Notes:

mg/L = milligrams per liter.

SSI = Statistically Significant Increases compared to background.

SU = Standard Unit

[1]: The prediction limit values were calculated using data collected from the background well MW-U1 between February 2017 and April 2024. The April 2024 concentrations from MW-D1, MW-D2, and MW-D3 were compared to the predication limit values.

Table 7. Summary of Basic Groundwater Statistics and GWPS for Appendix IV Constituents
Crisp County Power Commission
Plant Crisp Ash Pond

Appendix IV to Part 257 - Constituents for Assessment Monitoring	Well ID	Number of Samples	Number of Non-detects	% Non-detects	Minimum	Maximum	Upper Tolerance Limit	Maximum Contaminant Level (MCL established under 40 CFR §161.62 and 40 CFR §141.66) or Groundwater Protection Standard (GWPS listed under 40 CFR §257.95(h)(2))	Selected GWPS for the Site
Antimony [mg/L]	MW-D1	15	15	100%	<0.0005	<0.0025		0.006	0.006
	MW-D2	15	15	100%	<0.0005	<0.0025			
	MW-D3	15	15	100%	<0.0005	<0.0025			
	MW-U1	15	15	100%	<0.0005	<0.0025	0.0025		
Arsenic [mg/L]	MW-D1	21	21	100%	<0.00025	<0.0025		0.01	0.01
	MW-D2	21	17	81%	0.00027 (B)	<0.0025			
	MW-D3	21	6	29%	0.00048 (J)	<0.0025			
	MW-U1	22	18	82%	0.00015 (JB)	<0.0025	0.0025		
Barium [mg/L]	MW-D1	22	0	0%	0.0095	0.027		2	2
	MW-D2	22	0	0%	0.087	0.190			
	MW-D3	22	0	0%	0.038	0.230			
	MW-U1	23	0	0%	0.0018	0.0062	0.0062		
Beryllium [mg/L]	MW-D1	15	15	100%	<0.0004	<0.0025		0.004	0.004
	MW-D2	15	15	100%	<0.0004	<0.0025			
	MW-D3	15	15	100%	<0.0004	<0.0025			
	MW-U1	16	16	100%	<0.0004	<0.0025	0.002		
Cadmium [mg/L]	MW-D1	16	16	100%	<0.0002	<0.0025		0.005	0.005
	MW-D2	16	15	94%	0.000075 (J)	<0.0025			
	MW-D3	16	15	94%	0.000071 (J)	<0.0025			
	MW-U1	17	17	100%	<0.0002	<0.0025	0.001		
Chromium [mg/L]	MW-D1	20	17	85%	<0.0005	0.0050		0.1	0.1
	MW-D2	20	17	85%	<0.0005	0.0038			
	MW-D3	20	18	90%	<0.0005	0.0037 (J)			
	MW-U1	21	2	10%	0.0011	0.0051	0.0051		
Cobalt [mg/L]	MW-D1	20	19	95%	<0.0005	<0.0025		0.006	0.006
	MW-D2	20	18	90%	0.00047 (J)	<0.0025			
	MW-D3	20	5	25%	0.00035 (J)	<0.0025			
	MW-U1	21	20	95%	<0.0005	<0.0025	0.0025		
Fluoride [mg/L]	MW-D1	22	0	0%	0.040	0.180		4	4
	MW-D2	22	3	14%	0.040	0.12 (B)			
	MW-D3	22	0	0%	0.060	0.200 (F1)			
	MW-U1	23	3	13%	0.040	0.130	0.1252		
Lead [mg/L]	MW-D1	15	14	93%	<0.00025	<0.0013		0.015	0.0015
	MW-D2	15	13	87%	<0.00025	<0.0013			
	MW-D3	15	15	100%	<0.00025	<0.0013			
	MW-U1	16	15	94%	<0.00025	<0.0013	0.0013		
Lithium [mg/L]	MW-D1	18	17	94%	<0.0005	<0.005		0.04	0.04
	MW-D2	18	16	89%	<0.0005	<0.005			
	MW-D3	18	15	83%	<0.00048	<0.005			
	MW-U1	19	17	89%	0.00034 (J)	0.0058	0.0058		
Mercury [mg/L]	MW-D1	15	14	93%	0.000077 (JB)	<0.0002		0.002	0.002
	MW-D2	15	13	87%	0.00011 (JB)	<0.0002			
	MW-D3	15	14	93%	0.00011 (JB)	<0.0002			
	MW-U1	16	15	94%	0.000099 (JB)	<0.0002	0.0002		
Molybdenum [mg/L]	MW-D1	20	20	100%	<0.002	<0.02		0.10	0.10
	MW-D2	20	17	85%	0.0012 (J)	<0.02			
	MW-D3	20	4	20%	0.0017 (J)	<0.01			
	MW-U1	21	20	95%	0.0011	<0.02	0.02		
Radium 226 and 228 228 Combined [pCi/L]	MW-D1	22	5	23%	0.0994	1.420		5	5
	MW-D2	22	5	23%	0.0139	1.280			
	MW-D3	22	6	27%	-0.1500	1.280			
	MW-U1	22	6	27%	0.000	1.720	1.72		
Selenium [mg/L]	MW-D1	18	15	83%	<0.00025	<0.0014		0.05	0.05
	MW-D2	18	14	78%	<0.00025	<0.0026			
	MW-D3	18	12	67%	0.00021 (J)	0.0028			
	MW-U1	19	12	63%	0.00039	<0.0013	0.0013		
Thallium [mg/L]	MW-D1	19	19	100%	<0.0001	<0.0005		0.002	0.002
	MW-D2	19	9	47%	0.000085 (J)	<0.0005			
	MW-D3	19	5	26%	0.000095 (J)	<0.0005			
	MW-U1	20	20	100%	<0.0001	<0.0005	0.0005		

Notes:
mg/L = milligrams per liter
pCi/L = picocuries per liter
Highlighted cells show the background well (MW-U1).
J - Result is less than the reporting level but greater than or equal to the method detection limit (MDL) and the concentration is an approximate value.
B - Compound was found in the blank and sample.

Table 8. Evaluation of SSLs for Appendix IV Constituents
Crisp County Power Commission
Plant Crisp Ash Pond

Appendix IV to Part 257 - Constituents for Assessment Monitoring	Well ID	Selected Groundwater Protection Standard (GWPS) for the Site (From Table 7)	Lower Confidence Limit if Detected During the April 2024 Monitoring Period	Concentrations in Downgradient Well Show Statistically Significant Level (SSL) Above GWPS?
Antimony [mg/L]	MW-U1	0.006	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		ND	No
Arsenic [mg/L]	MW-U1	0.01	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		ND	No
Barium [mg/L]	MW-U1	2	Background Well	
	MW-D1		0.012	No
	MW-D2		0.13	No
	MW-D3		0.098	No
Beryllium [mg/L]	MW-U1	0.004	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		ND	No
Cadmium [mg/L]	MW-U1	0.005	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		ND	No
Chromium [mg/L]	MW-U1	0.1	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		ND	No
Cobalt [mg/L]	MW-U1	0.0060	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		ND	No
Fluoride [mg/L]	MW-U1	4	Background Well	
	MW-D1		0.06320	No
	MW-D2		0.050	No
	MW-D3		0.110	No
Lead [mg/L]	MW-U1	0.0015	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		ND	No
Lithium [mg/L]	MW-U1	0.0400	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		ND	No
Mercury [mg/L]	MW-U1	0.002	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		ND	No
Molybdenum [mg/L]	MW-U1	0.10	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		0.0022	No
Radium 226 and 228 228 Combined [pCi/L]	MW-U1	5	Background Well	
	MW-D1		0.4174	No
	MW-D2		ND	No
	MW-D3		ND	No
Selenium [mg/L]	MW-U1	0.05	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		ND	No
Thallium [mg/L]	MW-U1	0.002	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		ND	No

Notes:
mg/L = milligrams per liter
pCi/L = picocuries per liter
ND = Not Detected
Highlighted cells show the background well (MW-U1).

FIGURES

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community Aerial Photograph from June 2016.

Legend

- Groundwater Monitoring Well (Ash Pond)
- Ash Pond Approximate Boundary
- Approximate CCPC Property Boundary

0 250 500 1,000 Feet

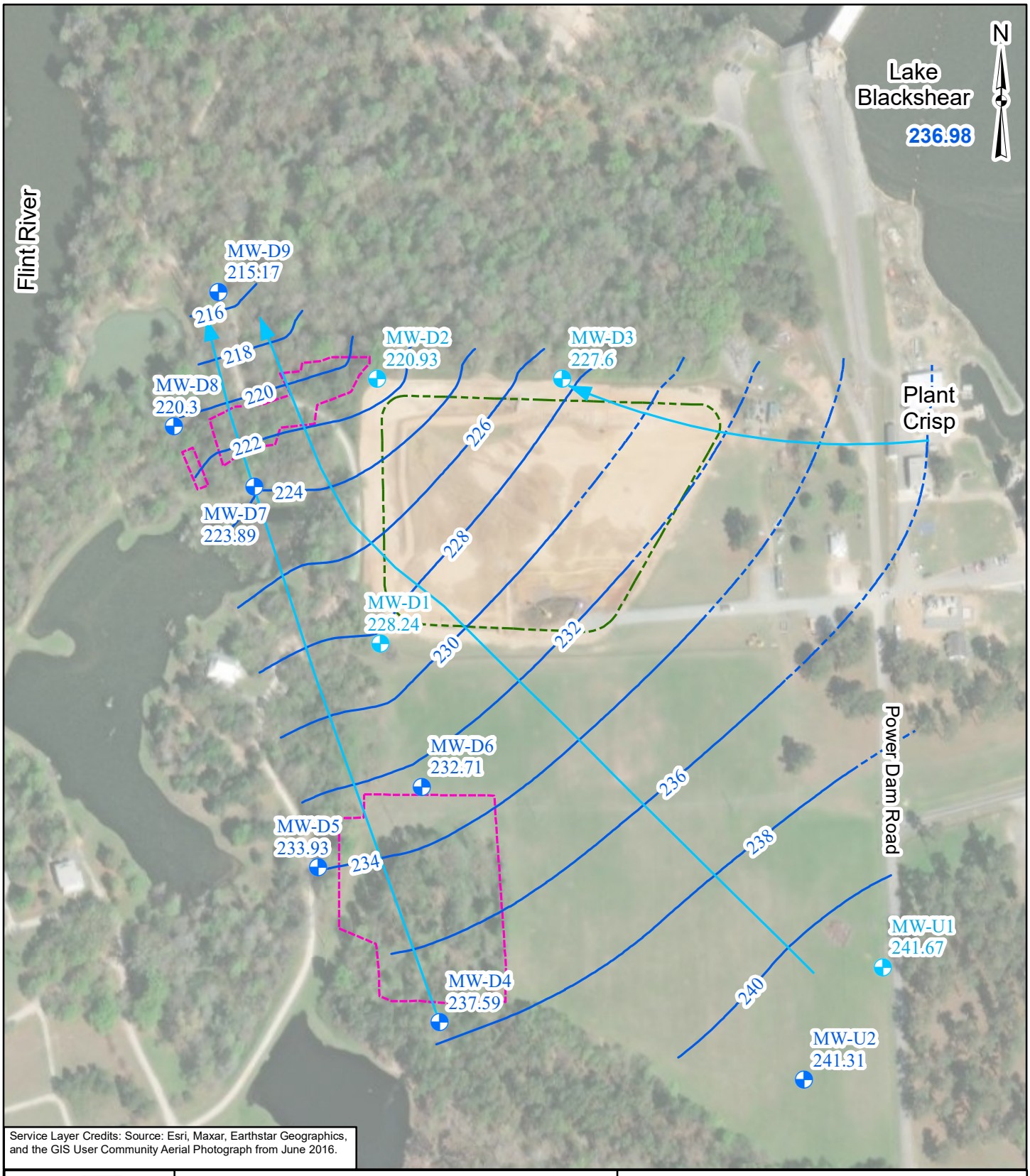
Groundwater Monitoring Well Location Map

Crisp County Power Commission
Warwick, Georgia

Geosyntec consultants
KENNESAW, GA

DATE:	JULY 2024
PROJECT NO.	GW6152
DOCUMENT NO.	GA 240220
FILE NO.	FIGURE 1 GROUNDWATER MONITORING WELL LOCATION MAP.MXD
FIGURE NO.	1

N:\Crisp County\GIS\MXD\2023\Semi_Annual_Monitoring_Report\GW Monitoring Well Location Map.mxd



Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community Aerial Photograph from June 2016.

DAWIT D. YIFRU
GEORGIA REGISTERED PROFESSIONAL GEOLOGIST
No. 001965

Dawit Yifru
PG001965

Legend

- Monitoring Well (Ash Pond)
- Monitoring Well (Secondaryt Ash Areas)
- Groundwater Elevation Contour - 23 April 2024 (ft, MSL) (dashed where inferred)
- Groundwater Flow Direction
- Secondary Ash Area Approximate Boundary
- Ash Pond Approximate Boundary

Note: MW-U1 serves as background monitoring well for the ash pond and secondary ash areas.

0 150 300 Feet

Potentiometric Surface Map (April 2024)

Crisp County Power Commission
Warwick, Georgia

Geosyntec consultants
KENNESAW, GA

DATE:	JULY 2024
PROJECT NO.	GW6152
DOCUMENT NO.	GA 240220
FILE NO.	FIGURE 2 POTENTIOMETRIC SURFACE MAP.MXD
FIGURE NO.	2

\\Aro-01\prj1$\Crisp County\GIS\MXD\2024\April_2024_Potentiometric Surface Map.mxd 7/16/2024 8:11:30 AM

APPENDIX A

Field Groundwater Sampling Forms

Water Level Measurement Form

Site Name:	Crisp County Power	**Sampling Person:**	
Location:	Warwick, Georgia	**Field Conditions:**	
Date:	4/23/2024		

Well ID	Time	TOC ELevation	Depth to Water (ft BTOC)	Well Depth (ft BTOC)	GW Elevation	Field Observations
MW-U1		249.52	7.85	37.35	241.67	
MW-U2		248.79	7.48	30.96	241.31	
MW-D1		241.77	13.53	22.82	228.24	
MW-D2		232.66	11.73	22.51	220.93	
MW-D3		233.78	6.18	22.72	227.6	
MW-D4		246.51	8.92	29.91	237.59	
MW-D5		241.16	7.23	36.05	233.93	
MW-D6		252.63	19.92	37.49	232.71	
MW-D7		230.18	6.29	27.03	223.89	
MW-D8		226.76	6.46	27.65	220.3	
MW-D9		221.42	6.25	27.31	215.17	

TOC = Top of casing

BTOC = Below top of casing

Low-Flow Test Report:

Test Date / Time: 4/23/2024 12:07:17 PM
Project: CCPC
Operator Name: Zain W.

Location Name: MW-U1 **Well Diameter: 2 in** **Casing Type: PVC** **Initial Depth to Water: 7.85 ft**	**Pump Type: Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 28.75 ft** **Estimated Total Volume Pumped: 5 liters** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 0.49 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965586**

Test Notes:
Appendix III and IV

Weather Conditions:
Clear, 80 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/23/2024 12:07 PM	00:00	7.90 pH	21.55 °C	194.28 µS/cm	7.07 mg/L	0.40 NTU	42.6 mV	8.34 ft	250.00 ml/min
4/23/2024 12:12 PM	05:00	7.92 pH	21.54 °C	186.96 µS/cm	7.05 mg/L	0.27 NTU	41.1 mV	8.34 ft	250.00 ml/min
4/23/2024 12:17 PM	10:00	7.92 pH	21.55 °C	186.30 µS/cm	7.04 mg/L	0.16 NTU	42.7 mV	8.34 ft	250.00 ml/min
4/23/2024 12:22 PM	15:00	7.92 pH	21.62 °C	186.05 µS/cm	7.01 mg/L	0.23 NTU	43.8 mV	8.34 ft	250.00 ml/min

Samples

Sample ID:	Description:
MW-U1-20240423	Grab.

Low-Flow Test Report:

Test Date / Time: 4/23/2024 1:37:13 PM
Project: CCPC
Operator Name: Zain W.

Location Name: MW-D1 **Well Diameter: 2 in** **Casing Type: PVC** **Initial Depth to Water: 13.57 ft**	**Pump Type: Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 14.5 ft** **Estimated Total Volume Pumped: 7.5 liters** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 0.08 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965586**

Test Notes:
Appendix III and IV

Weather Conditions:
Clear, 80 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/23/2024 1:37 PM	00:00	6.07 pH	21.41 °C	97.52 µS/cm	2.55 mg/L	1.44 NTU	125.0 mV	13.64 ft	250.00 ml/min
4/23/2024 1:42 PM	05:00	6.08 pH	20.14 °C	111.71 µS/cm	1.51 mg/L	1.19 NTU	105.5 mV	13.64 ft	250.00 ml/min
4/23/2024 1:47 PM	10:00	6.17 pH	19.99 °C	121.89 µS/cm	1.54 mg/L	1.02 NTU	96.1 mV	13.64 ft	250.00 ml/min
4/23/2024 1:52 PM	15:00	6.19 pH	20.02 °C	131.99 µS/cm	1.59 mg/L	1.47 NTU	90.8 mV	13.65 ft	250.00 ml/min
4/23/2024 1:57 PM	20:00	6.24 pH	19.94 °C	131.93 µS/cm	1.69 mg/L	0.56 NTU	87.0 mV	13.65 ft	250.00 ml/min
4/23/2024 2:02 PM	25:00	6.25 pH	20.03 °C	132.56 µS/cm	1.69 mg/L	1.02 NTU	84.3 mV	13.65 ft	250.00 ml/min

Samples

Sample ID:	Description:
MW-D1-20240423	Grab.
DUP-22-20240423	Grab.

Low-Flow Test Report:

Test Date / Time: 4/23/2024 1:31:46 PM
Project: CCPC
Operator Name: Tristan H.

Location Name: MW-D2 **Well Diameter: 2 in** **Casing Type: PVC** **Initial Depth to Water: 11.73 ft**	**Pump Type: Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 18.0 ft** **Estimated Total Volume Pumped: 7.0 liters** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 1.04 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884187**

Test Notes:
Appendix III and IV

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/23/2024 1:31 PM	00:00	6.80 pH	21.20 °C	514.32 µS/cm	0.26 mg/L	0.12 NTU	103.9 mV	12.00 ft	200.00 ml/min
4/23/2024 1:36 PM	05:00	6.81 pH	19.70 °C	531.03 µS/cm	0.32 mg/L	0.76 NTU	98.0 mV	12.16 ft	200.00 ml/min
4/23/2024 1:41 PM	10:00	6.78 pH	19.61 °C	525.40 µS/cm	0.81 mg/L	0.89 NTU	81.1 mV	12.33 ft	200.00 ml/min
4/23/2024 1:46 PM	15:00	6.79 pH	19.46 °C	531.40 µS/cm	0.85 mg/L	1.70 NTU	68.5 mV	12.50 ft	200.00 ml/min
4/23/2024 1:51 PM	20:00	6.79 pH	19.49 °C	539.78 µS/cm	0.86 mg/L	3.20 NTU	50.6 mV	12.64 ft	200.00 ml/min
4/23/2024 1:56 PM	25:00	6.80 pH	19.44 °C	537.52 µS/cm	0.85 mg/L	2.73 NTU	54.1 mV	12.77 ft	200.00 ml/min

Samples

Sample ID:	Description:
MW-D2-20240423	Grab.

Low-Flow Test Report:

Test Date / Time: 4/23/2024 3:29:15 PM
Project: CCPC
Operator Name: Tristan H.

Location Name: MW-D3 **Well Diameter: 2 in** **Casing Type: PVC** **Initial Depth to Water: 6.2 ft**	**Pump Type: Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 17.5 ft** **Estimated Total Volume Pumped: 5.8 liters** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 1.98 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884187**

Test Notes:
Appendix III and IV

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
4/23/2024 3:29 PM	00:00	7.49 pH	21.09 °C	373.21 µS/cm	2.65 mg/L	0.50 NTU	106.8 mV	7.76 ft	200.00 ml/min
4/23/2024 3:34 PM	05:00	7.49 pH	20.71 °C	373.93 µS/cm	2.64 mg/L	0.36 NTU	67.7 mV	7.97 ft	200.00 ml/min
4/23/2024 3:39 PM	10:00	7.51 pH	20.45 °C	366.67 µS/cm	2.76 mg/L	0.36 NTU	64.9 mV	8.10 ft	200.00 ml/min
4/23/2024 3:44 PM	15:00	7.50 pH	20.33 °C	367.24 µS/cm	2.71 mg/L	0.00 NTU	58.9 mV	8.18 ft	200.00 ml/min

Samples

Sample ID:	Description:
MW-D3-20230423	Grab.

APPENDIX B

Laboratory Analytical Reports

eurofins | Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Dawit Yifru
Geosyntec Consultants Inc
1255 Roberts Blvd, NW
Suite 200
Kennesaw, Georgia 30144

Generated 5/10/2024 10:04:11 AM

JOB DESCRIPTION

Crisp County Power

JOB NUMBER

400-255088-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

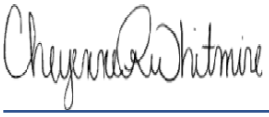
myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization



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

Table of Contents

Job ID: 400-255088-1 — Eurofins Pensacola

Job Narrative
400-255088-1

Receipt
The samples were received on 4/26/2024 9:03 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.0º C.

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

Detection Summary

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255088-1

Client Sample ID: MW-D1-20240423 — Lab Sample ID: 400-255088-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.015		0.0025	0.00089	mg/L	1		6020B	Total Recoverable
Boron	0.099		0.050	0.022	mg/L	1		6020B	Total Recoverable
Calcium	21		0.25	0.14	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	84		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
Fluoride	0.047	J	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	12		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	6.25				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-D2-20240423 — Lab Sample ID: 400-255088-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.13		0.0025	0.00089	mg/L	1		6020B	Total Recoverable
Boron	0.10		0.050	0.022	mg/L	1		6020B	Total Recoverable
Calcium	110		0.25	0.14	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	330		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	3.7		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.059	J	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	11		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	6.80				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-D3-20240423 — Lab Sample ID: 400-255088-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0012	J	0.0013	0.00086	mg/L	1		6020B	Total Recoverable
Barium	0.038		0.0025	0.00089	mg/L	1		6020B	Total Recoverable
Boron	0.12		0.050	0.022	mg/L	1		6020B	Total Recoverable
Calcium	64		0.25	0.14	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0049	J	0.010	0.00086	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	220		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	2.5		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.13		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	22		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	7.50				SU	1		Field Sampling	Total/NA

Client Sample ID: DUP-22-20240423 — Lab Sample ID: 400-255088-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.012		0.0025	0.00089	mg/L	1		6020B	Total Recoverable
Boron	0.098		0.050	0.022	mg/L	1		6020B	Total Recoverable
Calcium	20		0.25	0.14	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	80		5.0	5.0	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Client Sample ID: DUP-22-20240423 (Continued)

Lab Sample ID: 400-255088-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	2.8		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.040	J	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	11		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255088-1

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

Protocol References:

EPA = US Environmental Protection Agency

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

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

Laboratory References:

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

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255088-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-255088-1	MW-D1-20240423	Water	04/23/24 14:07	04/26/24 09:03
400-255088-2	MW-D2-20240423	Water	04/23/24 14:02	04/26/24 09:03
400-255088-3	MW-D3-20240423	Water	04/23/24 15:49	04/26/24 09:03
400-255088-4	DUP-22-20240423	Water	04/23/24 00:00	04/26/24 09:03

Client Sample Results

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255088-1

Client Sample ID: MW-D1-20240423

Date Collected: 04/23/24 14:07
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255088-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0025	0.00034	mg/L		05/01/24 09:01	05/01/24 22:14	1
Arsenic	ND		0.0013	0.00086	mg/L		05/01/24 09:01	05/01/24 22:14	1
Barium	**0.015**		0.0025	0.00089	mg/L		05/01/24 09:01	05/01/24 22:14	1
Beryllium	ND		0.0020	0.00020	mg/L		05/01/24 09:01	05/01/24 22:14	1
Boron	**0.099**		0.050	0.022	mg/L		05/01/24 09:01	05/01/24 22:14	1
Cadmium	ND		0.0010	0.000078	mg/L		05/01/24 09:01	05/01/24 22:14	1
Calcium	**21**		0.25	0.14	mg/L		05/01/24 09:01	05/01/24 22:14	1
Chromium	ND		0.0025	0.0012	mg/L		05/01/24 09:01	05/01/24 22:14	1
Cobalt	ND		0.0025	0.00022	mg/L		05/01/24 09:01	05/01/24 22:14	1
Lead	ND		0.0013	0.00021	mg/L		05/01/24 09:01	05/01/24 22:14	1
Lithium	ND		0.0025	0.0020	mg/L		05/01/24 09:01	05/01/24 22:14	1
Molybdenum	ND		0.010	0.00086	mg/L		05/01/24 09:01	05/01/24 22:14	1
Selenium	ND		0.0013	0.00099	mg/L		05/01/24 09:01	05/01/24 22:14	1
Thallium	ND		0.00050	0.00026	mg/L		05/01/24 09:01	05/01/24 22:14	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000080	mg/L		05/03/24 09:54	05/04/24 09:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**84**		5.0	5.0	mg/L			04/30/24 10:15	1
Chloride (SM 4500 Cl- E)	**4.7**		2.0	1.4	mg/L			05/02/24 12:25	1
Fluoride (SM 4500 F C)	**0.047**	**J**	0.10	0.022	mg/L			04/30/24 11:35	1
Sulfate (SM 4500 SO4 E)	**12**		5.0	1.4	mg/L			05/08/24 09:53	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.25**				SU			04/23/24 13:07	1

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255088-1

Client Sample ID: MW-D2-20240423

Date Collected: 04/23/24 14:02
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255088-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0025	0.00034	mg/L		05/01/24 09:01	05/01/24 22:10	1
Arsenic	ND		0.0013	0.00086	mg/L		05/01/24 09:01	05/01/24 22:10	1
Barium	**0.13**		0.0025	0.00089	mg/L		05/01/24 09:01	05/01/24 22:10	1
Beryllium	ND		0.0020	0.00020	mg/L		05/01/24 09:01	05/01/24 22:10	1
Boron	**0.10**		0.050	0.022	mg/L		05/01/24 09:01	05/01/24 22:10	1
Cadmium	ND		0.0010	0.000078	mg/L		05/01/24 09:01	05/01/24 22:10	1
Calcium	**110**		0.25	0.14	mg/L		05/01/24 09:01	05/01/24 22:10	1
Chromium	ND		0.0025	0.0012	mg/L		05/01/24 09:01	05/01/24 22:10	1
Cobalt	ND		0.0025	0.00022	mg/L		05/01/24 09:01	05/01/24 22:10	1
Lead	ND		0.0013	0.00021	mg/L		05/01/24 09:01	05/01/24 22:10	1
Lithium	ND		0.0025	0.0020	mg/L		05/01/24 09:01	05/01/24 22:10	1
Molybdenum	ND		0.010	0.00086	mg/L		05/01/24 09:01	05/01/24 22:10	1
Selenium	ND		0.0013	0.00099	mg/L		05/01/24 09:01	05/01/24 22:10	1
Thallium	ND		0.00050	0.00026	mg/L		05/01/24 09:01	05/01/24 22:10	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000080	mg/L		05/03/24 09:54	05/04/24 09:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**330**		5.0	5.0	mg/L			04/30/24 10:15	1
Chloride (SM 4500 Cl- E)	**3.7**		2.0	1.4	mg/L			05/02/24 12:25	1
Fluoride (SM 4500 F C)	**0.059**	**J**	0.10	0.022	mg/L			04/30/24 11:35	1
Sulfate (SM 4500 SO4 E)	**11**		5.0	1.4	mg/L			05/08/24 09:54	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.80**				SU			04/23/24 13:02	1

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255088-1

Client Sample ID: MW-D3-20240423

Date Collected: 04/23/24 15:49
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255088-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0025	0.00034	mg/L		05/01/24 09:01	05/01/24 22:06	1
Arsenic	**0.0012**	**J**	0.0013	0.00086	mg/L		05/01/24 09:01	05/01/24 22:06	1
Barium	**0.038**		0.0025	0.00089	mg/L		05/01/24 09:01	05/01/24 22:06	1
Beryllium	ND		0.0020	0.00020	mg/L		05/01/24 09:01	05/01/24 22:06	1
Boron	**0.12**		0.050	0.022	mg/L		05/01/24 09:01	05/01/24 22:06	1
Cadmium	ND		0.0010	0.000078	mg/L		05/01/24 09:01	05/01/24 22:06	1
Calcium	**64**		0.25	0.14	mg/L		05/01/24 09:01	05/01/24 22:06	1
Chromium	ND		0.0025	0.0012	mg/L		05/01/24 09:01	05/01/24 22:06	1
Cobalt	ND		0.0025	0.00022	mg/L		05/01/24 09:01	05/01/24 22:06	1
Lead	ND		0.0013	0.00021	mg/L		05/01/24 09:01	05/01/24 22:06	1
Lithium	ND		0.0025	0.0020	mg/L		05/01/24 09:01	05/01/24 22:06	1
Molybdenum	**0.0049**	**J**	0.010	0.00086	mg/L		05/01/24 09:01	05/01/24 22:06	1
Selenium	ND		0.0013	0.00099	mg/L		05/01/24 09:01	05/01/24 22:06	1
Thallium	ND		0.00050	0.00026	mg/L		05/01/24 09:01	05/01/24 22:06	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000080	mg/L		05/03/24 09:54	05/04/24 09:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**220**		5.0	5.0	mg/L			04/30/24 10:15	1
Chloride (SM 4500 Cl- E)	**2.5**		2.0	1.4	mg/L			05/02/24 12:26	1
Fluoride (SM 4500 F C)	**0.13**		0.10	0.022	mg/L			04/30/24 11:35	1
Sulfate (SM 4500 SO4 E)	**22**		5.0	1.4	mg/L			05/08/24 09:55	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.50**				SU			04/23/24 14:49	1

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255088-1

Client Sample ID: DUP-22-20240423
Date Collected: 04/23/24 00:00
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255088-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0025	0.00034	mg/L		05/01/24 09:01	05/01/24 22:02	1
Arsenic	ND		0.0013	0.00086	mg/L		05/01/24 09:01	05/01/24 22:02	1
Barium	**0.012**		0.0025	0.00089	mg/L		05/01/24 09:01	05/01/24 22:02	1
Beryllium	ND		0.0020	0.00020	mg/L		05/01/24 09:01	05/01/24 22:02	1
Boron	**0.098**		0.050	0.022	mg/L		05/01/24 09:01	05/01/24 22:02	1
Cadmium	ND		0.0010	0.000078	mg/L		05/01/24 09:01	05/01/24 22:02	1
Calcium	**20**		0.25	0.14	mg/L		05/01/24 09:01	05/01/24 22:02	1
Chromium	ND		0.0025	0.0012	mg/L		05/01/24 09:01	05/01/24 22:02	1
Cobalt	ND		0.0025	0.00022	mg/L		05/01/24 09:01	05/01/24 22:02	1
Lead	ND		0.0013	0.00021	mg/L		05/01/24 09:01	05/01/24 22:02	1
Lithium	ND		0.0025	0.0020	mg/L		05/01/24 09:01	05/01/24 22:02	1
Molybdenum	ND		0.010	0.00086	mg/L		05/01/24 09:01	05/01/24 22:02	1
Selenium	ND		0.0013	0.00099	mg/L		05/01/24 09:01	05/01/24 22:02	1
Thallium	ND		0.00050	0.00026	mg/L		05/01/24 09:01	05/01/24 22:02	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000080	mg/L		05/06/24 16:53	05/07/24 14:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**80**		5.0	5.0	mg/L			04/29/24 16:01	1
Chloride (SM 4500 Cl- E)	**2.8**		2.0	1.4	mg/L			05/02/24 12:27	1
Fluoride (SM 4500 F C)	**0.040**	**J**	0.10	0.022	mg/L			04/30/24 11:35	1
Sulfate (SM 4500 SO4 E)	**11**		5.0	1.4	mg/L			05/08/24 09:55	1

Definitions/Glossary

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255088-1

Qualifiers

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255088-1

Client Sample ID: MW-D1-20240423
Date Collected: 04/23/24 14:07
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255088-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			835692	RR	EET SAV	05/01/24 09:01
Total Recoverable	Analysis	6020B		1	835904	BWR	EET SAV	05/01/24 22:14
Total/NA	Prep	7470A			836157	RS	EET SAV	05/03/24 09:54
Total/NA	Analysis	7470A		1	836331	DW	EET SAV	05/04/24 09:57
Total/NA	Analysis	SM 2540C		1	669873	HA	EET PEN	04/30/24 10:15
Total/NA	Analysis	SM 4500 Cl- E		1	670251	CJK	EET PEN	05/02/24 12:25
Total/NA	Analysis	SM 4500 F C		1	669910	JP	EET PEN	04/30/24 11:35
Total/NA	Analysis	SM 4500 SO4 E		1	670842	KWS	EET PEN	05/08/24 09:53
Total/NA	Analysis	Field Sampling		1	671089	C1H	EET PEN	04/23/24 13:07

Client Sample ID: MW-D2-20240423
Date Collected: 04/23/24 14:02
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255088-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			835692	RR	EET SAV	05/01/24 09:01
Total Recoverable	Analysis	6020B		1	835904	BWR	EET SAV	05/01/24 22:10
Total/NA	Prep	7470A			836157	RS	EET SAV	05/03/24 09:54
Total/NA	Analysis	7470A		1	836331	DW	EET SAV	05/04/24 09:55
Total/NA	Analysis	SM 2540C		1	669873	HA	EET PEN	04/30/24 10:15
Total/NA	Analysis	SM 4500 Cl- E		1	670251	CJK	EET PEN	05/02/24 12:25
Total/NA	Analysis	SM 4500 F C		1	669910	JP	EET PEN	04/30/24 11:35
Total/NA	Analysis	SM 4500 SO4 E		1	670842	KWS	EET PEN	05/08/24 09:54
Total/NA	Analysis	Field Sampling		1	671089	C1H	EET PEN	04/23/24 13:02

Client Sample ID: MW-D3-20240423
Date Collected: 04/23/24 15:49
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255088-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			835692	RR	EET SAV	05/01/24 09:01
Total Recoverable	Analysis	6020B		1	835904	BWR	EET SAV	05/01/24 22:06
Total/NA	Prep	7470A			836157	RS	EET SAV	05/03/24 09:54
Total/NA	Analysis	7470A		1	836331	DW	EET SAV	05/04/24 09:53
Total/NA	Analysis	SM 2540C		1	669873	HA	EET PEN	04/30/24 10:15
Total/NA	Analysis	SM 4500 Cl- E		1	670251	CJK	EET PEN	05/02/24 12:26
Total/NA	Analysis	SM 4500 F C		1	669910	JP	EET PEN	04/30/24 11:35
Total/NA	Analysis	SM 4500 SO4 E		1	670842	KWS	EET PEN	05/08/24 09:55
Total/NA	Analysis	Field Sampling		1	671089	C1H	EET PEN	04/23/24 14:49

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255088-1

Client Sample ID: DUP-22-20240423

Date Collected: 04/23/24 00:00
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255088-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			835692	RR	EET SAV	05/01/24 09:01
Total Recoverable	Analysis	6020B		1	835904	BWR	EET SAV	05/01/24 22:02
Total/NA	Prep	7470A			836618	DW	EET SAV	05/06/24 16:53
Total/NA	Analysis	7470A		1	836859	DW	EET SAV	05/07/24 14:15
Total/NA	Analysis	SM 2540C		1	669793	HA	EET PEN	04/29/24 16:01
Total/NA	Analysis	SM 4500 Cl- E		1	670251	CJK	EET PEN	05/02/24 12:27
Total/NA	Analysis	SM 4500 F C		1	669910	JP	EET PEN	04/30/24 11:35
Total/NA	Analysis	SM 4500 SO4 E		1	670842	KWS	EET PEN	05/08/24 09:55

Laboratory References:

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

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Metals

Prep Batch: 835692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255088-1	MW-D1-20240423	Total Recoverable	Water	3005A	
400-255088-2	MW-D2-20240423	Total Recoverable	Water	3005A	
400-255088-3	MW-D3-20240423	Total Recoverable	Water	3005A	
400-255088-4	DUP-22-20240423	Total Recoverable	Water	3005A	
MB 680-835692/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-835692/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
400-255090-C-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
400-255090-C-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 835904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255088-1	MW-D1-20240423	Total Recoverable	Water	6020B	835692
400-255088-2	MW-D2-20240423	Total Recoverable	Water	6020B	835692
400-255088-3	MW-D3-20240423	Total Recoverable	Water	6020B	835692
400-255088-4	DUP-22-20240423	Total Recoverable	Water	6020B	835692
MB 680-835692/1-A	Method Blank	Total Recoverable	Water	6020B	835692
LCS 680-835692/2-A	Lab Control Sample	Total Recoverable	Water	6020B	835692
400-255090-C-1-B MS	Matrix Spike	Total Recoverable	Water	6020B	835692
400-255090-C-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	835692

Prep Batch: 836157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255088-1	MW-D1-20240423	Total/NA	Water	7470A	
400-255088-2	MW-D2-20240423	Total/NA	Water	7470A	
400-255088-3	MW-D3-20240423	Total/NA	Water	7470A	
MB 680-836157/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-836157/2-A	Lab Control Sample	Total/NA	Water	7470A	
400-255090-C-7-C MS	Matrix Spike	Total/NA	Water	7470A	
400-255090-C-7-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 836331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255088-1	MW-D1-20240423	Total/NA	Water	7470A	836157
400-255088-2	MW-D2-20240423	Total/NA	Water	7470A	836157
400-255088-3	MW-D3-20240423	Total/NA	Water	7470A	836157
MB 680-836157/1-A	Method Blank	Total/NA	Water	7470A	836157
LCS 680-836157/2-A	Lab Control Sample	Total/NA	Water	7470A	836157
400-255090-C-7-C MS	Matrix Spike	Total/NA	Water	7470A	836157
400-255090-C-7-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	836157

Prep Batch: 836618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255088-4	DUP-22-20240423	Total/NA	Water	7470A	
MB 680-836618/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-836618/2-A	Lab Control Sample	Total/NA	Water	7470A	
400-255088-4 MS	DUP-22-20240423	Total/NA	Water	7470A	
400-255088-4 MSD	DUP-22-20240423	Total/NA	Water	7470A	

Analysis Batch: 836859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255088-4	DUP-22-20240423	Total/NA	Water	7470A	836618

Metals (Continued)

Analysis Batch: 836859 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-836618/1-A	Method Blank	Total/NA	Water	7470A	836618
LCS 680-836618/2-A	Lab Control Sample	Total/NA	Water	7470A	836618
400-255088-4 MS	DUP-22-20240423	Total/NA	Water	7470A	836618
400-255088-4 MSD	DUP-22-20240423	Total/NA	Water	7470A	836618

General Chemistry

Analysis Batch: 669793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255088-4	DUP-22-20240423	Total/NA	Water	SM 2540C	
MB 400-669793/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-669793/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-255088-4 DU	DUP-22-20240423	Total/NA	Water	SM 2540C	

Analysis Batch: 669873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255088-1	MW-D1-20240423	Total/NA	Water	SM 2540C	
400-255088-2	MW-D2-20240423	Total/NA	Water	SM 2540C	
400-255088-3	MW-D3-20240423	Total/NA	Water	SM 2540C	
MB 400-669873/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-669873/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-254872-D-5 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 669910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255088-1	MW-D1-20240423	Total/NA	Water	SM 4500 F C	
400-255088-2	MW-D2-20240423	Total/NA	Water	SM 4500 F C	
400-255088-3	MW-D3-20240423	Total/NA	Water	SM 4500 F C	
400-255088-4	DUP-22-20240423	Total/NA	Water	SM 4500 F C	
MB 400-669910/9	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-669910/11	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MRL 400-669910/10	Lab Control Sample	Total/NA	Water	SM 4500 F C	
400-255088-1 MS	MW-D1-20240423	Total/NA	Water	SM 4500 F C	
400-255088-1 MSD	MW-D1-20240423	Total/NA	Water	SM 4500 F C	
400-255090-B-5 DU	Duplicate	Total/NA	Water	SM 4500 F C	

Analysis Batch: 670251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255088-1	MW-D1-20240423	Total/NA	Water	SM 4500 Cl- E	
400-255088-2	MW-D2-20240423	Total/NA	Water	SM 4500 Cl- E	
400-255088-3	MW-D3-20240423	Total/NA	Water	SM 4500 Cl- E	
400-255088-4	DUP-22-20240423	Total/NA	Water	SM 4500 Cl- E	
MB 400-670251/13	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-670251/14	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-670251/15	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-254864-B-1 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- E	
400-254864-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 670842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255088-1	MW-D1-20240423	Total/NA	Water	SM 4500 SO4 E	

General Chemistry (Continued)

Analysis Batch: 670842 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255088-2	MW-D2-20240423	Total/NA	Water	SM 4500 SO4 E	
400-255088-3	MW-D3-20240423	Total/NA	Water	SM 4500 SO4 E	
400-255088-4	DUP-22-20240423	Total/NA	Water	SM 4500 SO4 E	
MB 400-670842/13	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-670842/14	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-670842/12	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-255088-1 MS	MW-D1-20240423	Total/NA	Water	SM 4500 SO4 E	
400-255088-1 MSD	MW-D1-20240423	Total/NA	Water	SM 4500 SO4 E	

Field Service / Mobile Lab

Analysis Batch: 671089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255088-1	MW-D1-20240423	Total/NA	Water	Field Sampling	
400-255088-2	MW-D2-20240423	Total/NA	Water	Field Sampling	
400-255088-3	MW-D3-20240423	Total/NA	Water	Field Sampling	

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-835692/1-A
Matrix: Water
Analysis Batch: 835904

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 835692

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.000550	J	0.0025	0.00034	mg/L		05/01/24 09:01	05/01/24 20:53	1
Arsenic	ND		0.0013	0.00086	mg/L		05/01/24 09:01	05/01/24 20:53	1
Barium	ND		0.0025	0.00089	mg/L		05/01/24 09:01	05/01/24 20:53	1
Beryllium	ND		0.0020	0.00020	mg/L		05/01/24 09:01	05/01/24 20:53	1
Boron	ND		0.050	0.022	mg/L		05/01/24 09:01	05/01/24 20:53	1
Cadmium	ND		0.0010	0.000078	mg/L		05/01/24 09:01	05/01/24 20:53	1
Calcium	ND		0.25	0.14	mg/L		05/01/24 09:01	05/01/24 20:53	1
Chromium	ND		0.0025	0.0012	mg/L		05/01/24 09:01	05/01/24 20:53	1
Cobalt	ND		0.0025	0.00022	mg/L		05/01/24 09:01	05/01/24 20:53	1
Lead	ND		0.0013	0.00021	mg/L		05/01/24 09:01	05/01/24 20:53	1
Lithium	ND		0.0025	0.0020	mg/L		05/01/24 09:01	05/01/24 20:53	1
Molybdenum	ND		0.010	0.00086	mg/L		05/01/24 09:01	05/01/24 20:53	1
Selenium	ND		0.0013	0.00099	mg/L		05/01/24 09:01	05/01/24 20:53	1
Thallium	ND		0.00050	0.00026	mg/L		05/01/24 09:01	05/01/24 20:53	1

Lab Sample ID: LCS 680-835692/2-A
Matrix: Water
Analysis Batch: 835904

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 835692

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0548		mg/L		110	80 - 120
Arsenic	0.100	0.108		mg/L		108	80 - 120
Barium	0.100	0.109		mg/L		109	80 - 120
Beryllium	0.0500	0.0567		mg/L		113	80 - 120
Boron	0.400	0.463		mg/L		116	80 - 120
Cadmium	0.0500	0.0561		mg/L		112	80 - 120
Calcium	5.00	5.22		mg/L		104	80 - 120
Chromium	0.100	0.108		mg/L		108	80 - 120
Cobalt	0.0500	0.0544		mg/L		109	80 - 120
Lead	0.500	0.528		mg/L		106	80 - 120
Lithium	0.500	0.547		mg/L		109	80 - 120
Molybdenum	0.100	0.104		mg/L		104	80 - 120
Selenium	0.100	0.107		mg/L		107	80 - 120
Thallium	0.0500	0.0511		mg/L		102	80 - 120

Lab Sample ID: 400-255090-C-1-B MS
Matrix: Water
Analysis Batch: 835904

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 835692

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.00042	J B	0.0500	0.0560		mg/L		111	75 - 125
Arsenic	ND		0.100	0.109		mg/L		109	75 - 125
Barium	0.018		0.100	0.130		mg/L		112	75 - 125
Beryllium	ND		0.0500	0.0555		mg/L		111	75 - 125
Boron	0.027	J	0.400	0.455		mg/L		107	75 - 125
Cadmium	ND		0.0500	0.0571		mg/L		114	75 - 125
Calcium	52		5.00	53.8	4	mg/L		44	75 - 125
Chromium	ND		0.100	0.113		mg/L		112	75 - 125
Cobalt	ND		0.0500	0.0549		mg/L		110	75 - 125

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

Lab Sample ID: 400-255090-C-1-B MS
Matrix: Water
Analysis Batch: 835904

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 835692

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	ND		0.500	0.513		mg/L		103	75 - 125
Lithium	ND		0.500	0.525		mg/L		105	75 - 125
Molybdenum	ND		0.100	0.108		mg/L		108	75 - 125
Selenium	ND		0.100	0.111		mg/L		111	75 - 125
Thallium	ND		0.0500	0.0520		mg/L		104	75 - 125

Lab Sample ID: 400-255090-C-1-C MSD
Matrix: Water
Analysis Batch: 835904

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 835692

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.00042	J B	0.0500	0.0512		mg/L		102	75 - 125	9	20
Arsenic	ND		0.100	0.101		mg/L		101	75 - 125	8	20
Barium	0.018		0.100	0.119		mg/L		101	75 - 125	9	20
Beryllium	ND		0.0500	0.0532		mg/L		106	75 - 125	4	20
Boron	0.027	J	0.400	0.438		mg/L		103	75 - 125	4	20
Cadmium	ND		0.0500	0.0514		mg/L		103	75 - 125	10	20
Calcium	52		5.00	48.7	4	mg/L		-59	75 - 125	10	20
Chromium	ND		0.100	0.103		mg/L		103	75 - 125	9	20
Cobalt	ND		0.0500	0.0511		mg/L		102	75 - 125	7	20
Lead	ND		0.500	0.496		mg/L		99	75 - 125	3	20
Lithium	ND		0.500	0.507		mg/L		101	75 - 125	3	20
Molybdenum	ND		0.100	0.0982		mg/L		98	75 - 125	9	20
Selenium	ND		0.100	0.102		mg/L		102	75 - 125	8	20
Thallium	ND		0.0500	0.0481		mg/L		96	75 - 125	8	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-836157/1-A
Matrix: Water
Analysis Batch: 836331

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 836157

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000080	mg/L		05/03/24 09:54	05/03/24 20:07	1

Lab Sample ID: LCS 680-836157/2-A
Matrix: Water
Analysis Batch: 836331

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 836157

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00257		mg/L		103	80 - 120

Lab Sample ID: 400-255090-C-7-C MS
Matrix: Water
Analysis Batch: 836331

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 836157

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00100	0.00104		mg/L		104	80 - 120

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

Lab Sample ID: 400-255090-C-7-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 836331 — **Prep Batch: 836157**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00100	0.00103		mg/L		103	80 - 120	1	20

Lab Sample ID: MB 680-836618/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 836859 — **Prep Batch: 836618**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000080	mg/L		05/06/24 16:53	05/07/24 14:11	1

Lab Sample ID: LCS 680-836618/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 836859 — **Prep Batch: 836618**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00257		mg/L		103	80 - 120

Lab Sample ID: 400-255088-4 MS — **Client Sample ID: DUP-22-20240423**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 836859 — **Prep Batch: 836618**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00100	0.00101		mg/L		101	80 - 120

Lab Sample ID: 400-255088-4 MSD — **Client Sample ID: DUP-22-20240423**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 836859 — **Prep Batch: 836618**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00100	0.00102		mg/L		102	80 - 120	2	20

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

Lab Sample ID: MB 400-669793/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 669793

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		5.0	5.0	mg/L			04/29/24 16:01	1

Lab Sample ID: LCS 400-669793/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 669793

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	293	288		mg/L		98	78 - 122

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

Lab Sample ID: 400-255088-4 DU
Matrix: Water
Analysis Batch: 669793

Client Sample ID: DUP-22-20240423
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	80			78.0		mg/L				3	5

Lab Sample ID: MB 400-669873/1
Matrix: Water
Analysis Batch: 669873

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		5.0	5.0	mg/L			04/30/24 10:15	1

Lab Sample ID: LCS 400-669873/2
Matrix: Water
Analysis Batch: 669873

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			293	286		mg/L		98	78 - 122		

Lab Sample ID: 400-254872-D-5 DU
Matrix: Water
Analysis Batch: 669873

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	440			434		mg/L				2	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-670251/13
Matrix: Water
Analysis Batch: 670251

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		2.0	1.4	mg/L			05/02/24 12:17	1

Lab Sample ID: LCS 400-670251/14
Matrix: Water
Analysis Batch: 670251

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			50.0	48.2		mg/L		96	90 - 110		

Lab Sample ID: MRL 400-670251/15
Matrix: Water
Analysis Batch: 670251

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	ND		mg/L		53	50 - 150		

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

Lab Sample ID: 400-254864-B-1 MS
Matrix: Water
Analysis Batch: 670251

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	2100		10.0	2150	4	mg/L		98	73 - 120

Lab Sample ID: 400-254864-B-1 MSD
Matrix: Water
Analysis Batch: 670251

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	2100		10.0	2150	4	mg/L		87	73 - 120	0	8

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-669910/9
Matrix: Water
Analysis Batch: 669910

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.10	0.022	mg/L			04/30/24 11:35	1

Lab Sample ID: LCS 400-669910/11
Matrix: Water
Analysis Batch: 669910

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	4.95		mg/L		99	90 - 110

Lab Sample ID: MRL 400-669910/10
Matrix: Water
Analysis Batch: 669910

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.100	0.0917	J	mg/L		92	50 - 150

Lab Sample ID: 400-255088-1 MS
Matrix: Water
Analysis Batch: 669910

Client Sample ID: MW-D1-20240423
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.047	J	0.100	0.137		mg/L		90	75 - 125

Lab Sample ID: 400-255088-1 MSD
Matrix: Water
Analysis Batch: 669910

Client Sample ID: MW-D1-20240423
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.047	J	0.100	0.131		mg/L		85	75 - 125	4	4

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: 400-255090-B-5 DU
Matrix: Water
Analysis Batch: 669910

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Fluoride	0.050	J	0.0504	J	mg/L		0	4

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-670842/13
Matrix: Water
Analysis Batch: 670842

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		5.0	1.4	mg/L			05/08/24 09:52	1

Lab Sample ID: LCS 400-670842/14
Matrix: Water
Analysis Batch: 670842

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	14.4		mg/L		96	90 - 110

Lab Sample ID: MRL 400-670842/12
Matrix: Water
Analysis Batch: 670842

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	4.62	J	mg/L		92	50 - 150

Lab Sample ID: 400-255088-1 MS
Matrix: Water
Analysis Batch: 670842

Client Sample ID: MW-D1-20240423
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	12		10.0	22.4		mg/L		108	77 - 128

Lab Sample ID: 400-255088-1 MSD
Matrix: Water
Analysis Batch: 670842

Client Sample ID: MW-D1-20240423
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	12		10.0	22.0		mg/L		104	77 - 128	2	5

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

Chain of Custody Record

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Client Information	Sampler: Tristan H & Zain W	Lab PM: Whitmire, Cheyenne R	Tracking No(s): 400-255088 COC	COC No: 400-129991-29334.1
Client Contact: Dawit Yifru	Phone:	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 1
Company: Geosyntec Consultants Inc	PWSID:	Analysis Requested		Job #:
Address: 1255 Roberts Blvd, NW Suite 200	Due Date Requested:			Preservation Codes: D - HNO3 N - None
City: Kennesaw	TAT Requested (days): Standard			
State, Zip: GA, 30144	Compliance Project: Δ Yes Δ No			
Phone: 770-371-6027	PO #: Purchase Order not required			
Email: dyifru@geosyntec.com	WO #:			
Project Name: CCR App.III/IV GW Monitoring Crisp Co	Project #: 40007960			
Site: Crisp County Power	SSOW#:			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 - Chloride	6020 - Sb,As,B,Ba,Be,Ca,Cd,Cr,Co,Li,Pb,Tl,Se,Mo	7470A - Mercury	2540C - Total Dissolved Solids	4500_F_C - Fluoride	SM4500_SO4_E - Sulfate	FieldSampling - Field pH	Total Number of containers	Special Instructions/Note:
MW-D1-20240423	04/23/24	1407	G	Water	N	N	X	X	X	X	X	X	X	X		pH = 6.25
MW-D2-20240423		1402	G	Water			X	X	X	X	X	X	X	X		pH = 6.80
MW-D3-20240423		1549	G	Water			X	X	X	X	X	X	X	X		pH = 7.50
DUP-23-20240423		00:00	G	Water			X	X	X	X	X	X	X	X		
				Water												
				Water												
				Water												
				Water												
				Water												
				Water												
				Water												

TH TH TH

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
Tristan Halberman	4/25/24 11:30	Geosyntec			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 4/26/24 9:03	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.0°C IR 10

Ver: 06/08/2021

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5/10/2024

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 400-255088-1

Login Number: 255088
List Number: 1
Creator: Pardonner, Brett

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.0°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255088-1

Laboratory: Eurofins Pensacola

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

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-24
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-24
California	State	2510	06-30-24
Florida	NELAP	E81010	06-30-24
Georgia	State	E81010(FL)	06-30-24
Illinois	NELAP	200041	10-09-24
Kansas	NELAP	E-10253	10-31-24
Kentucky (UST)	State	53	06-30-24
Louisiana (All)	NELAP	30976	06-30-24
Louisiana (DW)	State	LA017	12-31-24
North Carolina (WW/SW)	State	314	12-31-24
Oklahoma	NELAP	9810	08-31-24
Pennsylvania	NELAP	68-00467	01-31-25
South Carolina	State	96026	06-30-24
Tennessee	State	TN02907	06-30-24
Texas	NELAP	T104704286	09-30-24
US Fish & Wildlife	US Federal Programs	A22340	06-30-24
USDA	US Federal Programs	FLGNV23001	01-08-26
USDA	US Federal Programs	P330-21-00056	05-17-24
Virginia	NELAP	460166	06-14-24
West Virginia DEP	State	136	03-31-25

Laboratory: Eurofins Savannah

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

Authority	Program	Identification Number	Expiration Date
	AFCEE	SAVLAB	
Alabama	State	41450	06-30-24
ANAB	Dept. of Defense ELAP	L2463	09-22-24
Arkansas (DW)	State	GA00006	06-30-24
California	State	2939	06-30-24
Florida	NELAP	E87052	06-30-24
Georgia	State	E87052	06-30-24
Georgia (DW)	State	803	06-30-24
Hawaii	State	<cert No.>	06-30-24
Illinois	NELAP	200022	11-30-24
Indiana	State	C-GA-02	06-30-24
Iowa	State	353	07-01-25
Kentucky (UST)	State	NA	06-30-24
Louisiana	NELAP	30690	06-30-24
Louisiana (All)	NELAP	30690	06-30-24
Louisiana (DW)	State	LA009	12-31-24
Maine	State	GA00006	09-25-24
Maryland	State	250	12-31-24
Massachusetts	State	M-GA006	06-30-24
Michigan	State	9925	06-30-24
Mississippi	State	<cert No.>	06-30-24
Nebraska	State	NE-OS-7-04	06-30-24
New Jersey	NELAP	GA769	06-30-24

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255088-1

Laboratory: Eurofins Savannah (Continued)

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

Authority	Program	Identification Number	Expiration Date
New Mexico	State	GA00006	06-30-24
North Carolina (DW)	State	13701	07-31-24
North Carolina (WW/SW)	State	269	12-31-24
Pennsylvania	NELAP	68-00474	06-30-24
Puerto Rico	State	GA00006	01-01-25
South Carolina	State	98001	06-30-24
Tennessee	State	TN02961	06-30-24
Texas	NELAP	T1047004185	11-30-24
Texas	TCEQ Water Supply	T104704185	06-30-24
USDA	US Federal Programs	P330-18-00313	04-04-27
Virginia	NELAP	460161	06-14-24
Wyoming	State	8TMS-L	06-30-24

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ANALYTICAL REPORT

PREPARED FOR

Attn: Dawit Yifru
Geosyntec Consultants Inc
1255 Roberts Blvd, NW
Suite 200
Kennesaw, Georgia 30144

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JOB DESCRIPTION

Crisp County Power

JOB NUMBER

400-255088-2

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

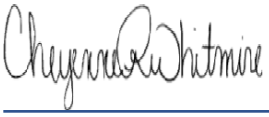
See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization



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Authorized for release by
Cheyenne Whitmire, Senior Project Manager
Cheyenne.Whitmire@et.eurofinsus.com
(850)471-6222

Table of Contents

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255088-2

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

Protocol References:

None = None

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

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

Laboratory References:

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

Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255088-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-255088-1	MW-D1-20240423	Water	04/23/24 14:07	04/26/24 09:03
400-255088-2	MW-D2-20240423	Water	04/23/24 14:02	04/26/24 09:03
400-255088-3	MW-D3-20240423	Water	04/23/24 15:49	04/26/24 09:03
400-255088-4	DUP-22-20240423	Water	04/23/24 00:00	04/26/24 09:03

Client Sample ID: MW-D1-20240423

Date Collected: 04/23/24 14:07
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255088-1

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0526	U	0.128	0.128	1.00	0.236	pCi/L	05/02/24 08:33	05/24/24 07:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.7*		*30 - 110*	*05/02/24 08:33*	*05/24/24 07:54*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.873**		0.422	0.430	1.00	0.591	pCi/L	05/02/24 08:41	05/23/24 11:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.7*		*30 - 110*	*05/02/24 08:41*	*05/23/24 11:37*	*1*
Y Carrier	*81.1*		*30 - 110*	*05/02/24 08:41*	*05/23/24 11:37*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.925**		0.441	0.449	5.00	0.591	pCi/L		05/25/24 06:59	1

Client Sample ID: MW-D2-20240423

Date Collected: 04/23/24 14:02
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255088-2

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0204	U	0.129	0.129	1.00	0.271	pCi/L	05/02/24 08:33	05/24/24 07:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.1*		*30 - 110*	*05/02/24 08:33*	*05/24/24 07:54*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.209	U	0.278	0.278	1.00	0.465	pCi/L	05/02/24 08:41	05/23/24 11:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.1*		*30 - 110*	*05/02/24 08:41*	*05/23/24 11:44*	*1*
Y Carrier	*82.2*		*30 - 110*	*05/02/24 08:41*	*05/23/24 11:44*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.189	U	0.306	0.306	5.00	0.465	pCi/L		05/25/24 06:59	1

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255088-2

Client Sample ID: MW-D3-20240423

Date Collected: 04/23/24 15:49
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255088-3

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.221	U	0.165	0.166	1.00	0.235	pCi/L	05/02/24 08:33	05/24/24 07:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.4*		*30 - 110*	*05/02/24 08:33*	*05/24/24 07:54*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.108	U	0.242	0.242	1.00	0.493	pCi/L	05/02/24 08:41	05/23/24 11:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.4*		*30 - 110*	*05/02/24 08:41*	*05/23/24 11:44*	*1*
Y Carrier	*81.1*		*30 - 110*	*05/02/24 08:41*	*05/23/24 11:44*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.113	U	0.293	0.293	5.00	0.493	pCi/L		05/25/24 06:59	1

Client Sample ID: DUP-22-20240423

Date Collected: 04/23/24 00:00
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255088-4

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.193	U	0.171	0.172	1.00	0.262	pCi/L	05/02/24 08:33	05/24/24 07:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.2*		*30 - 110*	*05/02/24 08:33*	*05/24/24 07:54*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.443	U	0.316	0.319	1.00	0.475	pCi/L	05/02/24 08:41	05/23/24 11:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.2*		*30 - 110*	*05/02/24 08:41*	*05/23/24 11:44*	*1*
Y Carrier	*80.0*		*30 - 110*	*05/02/24 08:41*	*05/23/24 11:44*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.636**		0.359	0.362	5.00	0.475	pCi/L		05/25/24 06:59	1

Definitions/Glossary

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255088-2

Qualifiers

Rad

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

Glossary

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

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255088-2

Client Sample ID: MW-D1-20240423
Lab Sample ID: 400-255088-1
Date Collected: 04/23/24 14:07
Matrix: Water
Date Received: 04/26/24 09:03

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			659708	MLT	EET SL	05/02/24 08:33
Total/NA	Analysis	9315		1	663324	SCB	EET SL	05/24/24 07:54
Total/NA	Prep	PrecSep_0			659781	MLT	EET SL	05/02/24 08:41
Total/NA	Analysis	9320		1	662988	SCB	EET SL	05/23/24 11:37
Total/NA	Analysis	Ra226_Ra228		1	663384	FLC	EET SL	05/25/24 06:59

Client Sample ID: MW-D2-20240423
Lab Sample ID: 400-255088-2
Date Collected: 04/23/24 14:02
Matrix: Water
Date Received: 04/26/24 09:03

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			659708	MLT	EET SL	05/02/24 08:33
Total/NA	Analysis	9315		1	663324	SCB	EET SL	05/24/24 07:54
Total/NA	Prep	PrecSep_0			659781	MLT	EET SL	05/02/24 08:41
Total/NA	Analysis	9320		1	663153	SCB	EET SL	05/23/24 11:44
Total/NA	Analysis	Ra226_Ra228		1	663384	FLC	EET SL	05/25/24 06:59

Client Sample ID: MW-D3-20240423
Lab Sample ID: 400-255088-3
Date Collected: 04/23/24 15:49
Matrix: Water
Date Received: 04/26/24 09:03

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			659708	MLT	EET SL	05/02/24 08:33
Total/NA	Analysis	9315		1	663324	SCB	EET SL	05/24/24 07:54
Total/NA	Prep	PrecSep_0			659781	MLT	EET SL	05/02/24 08:41
Total/NA	Analysis	9320		1	663153	SCB	EET SL	05/23/24 11:44
Total/NA	Analysis	Ra226_Ra228		1	663384	FLC	EET SL	05/25/24 06:59

Client Sample ID: DUP-22-20240423
Lab Sample ID: 400-255088-4
Date Collected: 04/23/24 00:00
Matrix: Water
Date Received: 04/26/24 09:03

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			659708	MLT	EET SL	05/02/24 08:33
Total/NA	Analysis	9315		1	663324	SCB	EET SL	05/24/24 07:54
Total/NA	Prep	PrecSep_0			659781	MLT	EET SL	05/02/24 08:41
Total/NA	Analysis	9320		1	663153	SCB	EET SL	05/23/24 11:44
Total/NA	Analysis	Ra226_Ra228		1	663384	FLC	EET SL	05/25/24 06:59

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

QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255088-2

Rad

Prep Batch: 659708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255088-1	MW-D1-20240423	Total/NA	Water	PrecSep-21	
400-255088-2	MW-D2-20240423	Total/NA	Water	PrecSep-21	
400-255088-3	MW-D3-20240423	Total/NA	Water	PrecSep-21	
400-255088-4	DUP-22-20240423	Total/NA	Water	PrecSep-21	
MB 160-659708/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-659708/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
380-92936-O-1-B DU	Duplicate	Total/NA	Water	PrecSep-21	

Prep Batch: 659781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255088-1	MW-D1-20240423	Total/NA	Water	PrecSep_0	
400-255088-2	MW-D2-20240423	Total/NA	Water	PrecSep_0	
400-255088-3	MW-D3-20240423	Total/NA	Water	PrecSep_0	
400-255088-4	DUP-22-20240423	Total/NA	Water	PrecSep_0	
MB 160-659781/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-659781/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
380-92936-O-1-D DU	Duplicate	Total/NA	Water	PrecSep_0	

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-659708/1-A
Matrix: Water
Analysis Batch: 663322

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 659708

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.03158	U	0.120	0.120	1.00	0.232	pCi/L	05/02/24 08:33	05/24/24 08:01	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.0*		*30 - 110*	*05/02/24 08:33*	*05/24/24 08:01*	*1*

Lab Sample ID: LCS 160-659708/2-A
Matrix: Water
Analysis Batch: 663322

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 659708

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	11.07		1.35	1.00	0.270	pCi/L	98	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*87.3*		*30 - 110*

Lab Sample ID: 380-92936-O-1-B DU
Matrix: Water
Analysis Batch: 663322

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 659708

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.321			0.08613	U	0.158	1.00	0.173	pCi/L			0.70	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*97.5*		*30 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-659781/1-A
Matrix: Water
Analysis Batch: 662988

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 659781

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2856	U	0.320	0.321	1.00	0.524	pCi/L	05/02/24 08:41	05/23/24 11:32	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.0*		*30 - 110*	*05/02/24 08:41*	*05/23/24 11:32*	*1*
Y Carrier	*77.8*		*30 - 110*	*05/02/24 08:41*	*05/23/24 11:32*	*1*

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

Lab Sample ID: LCS 160-659781/2-A
Matrix: Water
Analysis Batch: 662988

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 659781

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.92	9.708		1.35	1.00	0.518	pCi/L	109	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*87.3*		*30 - 110*
Y Carrier	*78.1*		*30 - 110*

Lab Sample ID: 380-92936-O-1-D DU
Matrix: Water
Analysis Batch: 662988

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 659781

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.459			0.3819		0.302	1.00	0.279	pCi/L			0.12	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*97.5*		*30 - 110*
Y Carrier	*79.3*		*30 - 110*

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

Chain of Custody Record

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Client Information	Sampler: Tristan H & Zain W	Lab PM: Whitmire, Cheyenne R	400-255088 COC
Client Contact: Dawit Yifru	Phone:	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: GA
Company: Geosyntec Consultants Inc	PWSID:		
Address: 1255 Roberts Blvd, NW Suite 200	Due Date Requested:		
City: Kennesaw	TAT Requested (days): Standard		
State, Zip: GA, 30144	Compliance Project: Δ Yes Δ No		
Phone: 770-371-6027	PO #: Purchase Order not required		
Email: dyifru@geosyntec.com	WO #:		
Project Name: CCR App.III/IV GW Monitoring Crisp Co	Project #: 40007960		
Site: Crisp County Power	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)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E - Chloride	6020 - Sb,As,B,Ba,Be,Ca,Cd,Cr,Co,Li,Pb,Tl,Se,Mo	7470A - Mercury	2540C - Total Dissolved Solids	4500_F_C - Fluoride	SM4500_SO4_E - Sulfate	FieldSampling - Field pH	Perform MS/MSD (Yes or No)	Special Instructions/Note:
MW-D1-20240423	04/23/24	1407	G	Water	N	X	X	X	X	X	X	X	X	N	pH = 6.25
MW-D2-20240423		1402	G	Water		X	X	X	X	X	X	X	X		pH = 6.80
MW-D3-20240423		1549	G	Water		X	X	X	X	X	X	X	X		pH = 7.50
DUP-23-20240423		00:00	G	Water		X	X	X	X	X	X	X	X		
				Water											
				Water											
				Water											
				Water											
				Water											
				Water											
				Water											

TH TH TH

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: Tristan Halberman	Date/Time: 4/25/24 11:30	Company Geosyntec	Received by:
Relinquished by:	Date/Time:	Company	Received by:
Relinquished by:	Date/Time:	Company	Received by: Date/Time: 4/26/24 9:03 Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 2.0°C IR 10

Ver: 06/08/2021

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5/28/2024

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 400-255088-2

Login Number: 255088
List Number: 1
Creator: Pardonner, Brett

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.0°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255088-2

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-08-25
ANAB	ISO/IEC 17025	L2305	04-06-25
Arizona	State	AZ0813	12-08-24
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-24
Connecticut	State	PH-0241	03-31-25
Florida	NELAP	E87689	06-30-24
HI - RadChem Recognition	State	n/a	06-30-24
Illinois	NELAP	200023	11-30-24
Iowa	State	373	12-01-24
Kansas	NELAP	E-10236	10-31-24
Kentucky (DW)	State	KY90125	12-31-24
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-24
Louisiana	NELAP	04080	06-30-22 *
Louisiana (All)	NELAP	04080	06-30-24
Louisiana (DW)	State	LA011	12-31-24
Maryland	State	310	09-30-24
Massachusetts	State	M-MO054	06-30-24
MI - RadChem Recognition	State	9005	06-30-24
Missouri	State	780	06-30-25
Nevada	State	MO00054	07-31-24
New Jersey	NELAP	MO002	06-30-24
New Mexico	State	MO00054	06-30-24
New York	NELAP	11616	03-31-25
North Carolina (DW)	State	29700	07-31-24
North Dakota	State	R-207	06-30-24
Oklahoma	NELAP	9997	08-31-24
Oregon	NELAP	4157	09-01-24
Pennsylvania	NELAP	68-00540	02-28-25
South Carolina	State	85002001	06-30-24
Texas	NELAP	T104704193	07-31-24
US Fish & Wildlife	US Federal Programs	058448	07-31-24
USDA	US Federal Programs	P330-17-00028	05-18-26
Utah	NELAP	MO00054	07-31-24
Virginia	NELAP	10310	06-15-25
Washington	State	C592	08-30-24
West Virginia DEP	State	381	10-31-24

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Dawit Yifru
Geosyntec Consultants Inc
1255 Roberts Blvd, NW
Suite 200
Kennesaw, Georgia 30144

Generated 5/13/2024 10:04:04 AM

JOB DESCRIPTION

Crisp County Power

JOB NUMBER

400-255094-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

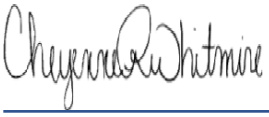
See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization



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Authorized for release by
Cheyenne Whitmire, Senior Project Manager
Cheyenne.Whitmire@et.eurofinsus.com
(850)471-6222

Table of Contents

Detection Summary

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255094-1

Client Sample ID: MW-U1-20240423 — Lab Sample ID: 400-255094-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0018	J	0.0025	0.00089	mg/L	1		6020B	Total Recoverable
Calcium	33		0.25	0.14	mg/L	1		6020B	Total Recoverable
Chromium	0.0012	J	0.0025	0.0012	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	120		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	1.5	J	2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.050	J	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	2.3	J	5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	7.92				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-U2-20240423 — Lab Sample ID: 400-255094-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0092		0.0025	0.00089	mg/L	1		6020B	Total Recoverable
Calcium	12		0.25	0.14	mg/L	1		6020B	Total Recoverable
Selenium	0.0012	J	0.0013	0.00099	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	58		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Fluoride	0.041	J	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	23		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	7.37				SU	1		Field Sampling	Total/NA

Client Sample ID: EB-20240424 — Lab Sample ID: 400-255094-3

No Detections.

Client Sample ID: FB-20240424 — Lab Sample ID: 400-255094-4

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255094-1

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

Protocol References:

EPA = US Environmental Protection Agency

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

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

Laboratory References:

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

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255094-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-255094-1	MW-U1-20240423	Water	04/23/24 12:27	04/26/24 09:03
400-255094-2	MW-U2-20240423	Water	04/23/24 12:37	04/26/24 09:03
400-255094-3	EB-20240424	Water	04/24/24 13:20	04/26/24 09:03
400-255094-4	FB-20240424	Water	04/24/24 12:50	04/26/24 09:03

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255094-1

Client Sample ID: MW-U1-20240423
Date Collected: 04/23/24 12:27
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255094-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0025	0.00034	mg/L		05/01/24 09:01	05/01/24 21:46	1
Arsenic	ND		0.0013	0.00086	mg/L		05/01/24 09:01	05/01/24 21:46	1
Barium	**0.0018**	**J**	0.0025	0.00089	mg/L		05/01/24 09:01	05/01/24 21:46	1
Beryllium	ND		0.0020	0.00020	mg/L		05/01/24 09:01	05/01/24 21:46	1
Boron	ND		0.050	0.022	mg/L		05/01/24 09:01	05/01/24 21:46	1
Cadmium	ND		0.0010	0.000078	mg/L		05/01/24 09:01	05/01/24 21:46	1
Calcium	**33**		0.25	0.14	mg/L		05/01/24 09:01	05/01/24 21:46	1
Chromium	**0.0012**	**J**	0.0025	0.0012	mg/L		05/01/24 09:01	05/01/24 21:46	1
Cobalt	ND		0.0025	0.00022	mg/L		05/01/24 09:01	05/01/24 21:46	1
Lead	ND		0.0013	0.00021	mg/L		05/01/24 09:01	05/01/24 21:46	1
Lithium	ND		0.0025	0.0020	mg/L		05/01/24 09:01	05/01/24 21:46	1
Molybdenum	ND		0.010	0.00086	mg/L		05/01/24 09:01	05/01/24 21:46	1
Selenium	ND		0.0013	0.00099	mg/L		05/01/24 09:01	05/01/24 21:46	1
Thallium	ND		0.00050	0.00026	mg/L		05/01/24 09:01	05/01/24 21:46	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000080	mg/L		05/06/24 16:53	05/07/24 14:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**120**		5.0	5.0	mg/L			04/30/24 10:15	1
Chloride (SM 4500 Cl- E)	**1.5**	**J**	2.0	1.4	mg/L			05/02/24 17:31	1
Fluoride (SM 4500 F C)	**0.050**	**J**	0.10	0.022	mg/L			04/30/24 11:35	1
Sulfate (SM 4500 SO4 E)	**2.3**	**J**	5.0	1.4	mg/L			05/10/24 11:12	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.92**				SU			04/23/24 11:27	1

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255094-1

Client Sample ID: MW-U2-20240423

Date Collected: 04/23/24 12:37
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255094-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0025	0.00034	mg/L		05/01/24 09:01	05/01/24 21:50	1
Arsenic	ND		0.0013	0.00086	mg/L		05/01/24 09:01	05/01/24 21:50	1
Barium	**0.0092**		0.0025	0.00089	mg/L		05/01/24 09:01	05/01/24 21:50	1
Beryllium	ND		0.0020	0.00020	mg/L		05/01/24 09:01	05/01/24 21:50	1
Boron	ND		0.050	0.022	mg/L		05/01/24 09:01	05/01/24 21:50	1
Cadmium	ND		0.0010	0.000078	mg/L		05/01/24 09:01	05/01/24 21:50	1
Calcium	**12**		0.25	0.14	mg/L		05/01/24 09:01	05/01/24 21:50	1
Chromium	ND		0.0025	0.0012	mg/L		05/01/24 09:01	05/01/24 21:50	1
Cobalt	ND		0.0025	0.00022	mg/L		05/01/24 09:01	05/01/24 21:50	1
Lead	ND		0.0013	0.00021	mg/L		05/01/24 09:01	05/01/24 21:50	1
Lithium	ND		0.0025	0.0020	mg/L		05/01/24 09:01	05/01/24 21:50	1
Molybdenum	ND		0.010	0.00086	mg/L		05/01/24 09:01	05/01/24 21:50	1
Selenium	**0.0012**	**J**	0.0013	0.00099	mg/L		05/01/24 09:01	05/01/24 21:50	1
Thallium	ND		0.00050	0.00026	mg/L		05/01/24 09:01	05/01/24 21:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000080	mg/L		05/06/24 16:53	05/07/24 14:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**58**		5.0	5.0	mg/L			04/30/24 10:15	1
Chloride (SM 4500 Cl- E)	ND		2.0	1.4	mg/L			05/02/24 17:31	1
Fluoride (SM 4500 F C)	**0.041**	**J**	0.10	0.022	mg/L			04/30/24 11:35	1
Sulfate (SM 4500 SO4 E)	**23**		5.0	1.4	mg/L			05/10/24 11:13	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.37**				SU			04/23/24 11:37	1

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255094-1

Client Sample ID: EB-20240424

Date Collected: 04/24/24 13:20
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255094-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0025	0.00034	mg/L		05/01/24 09:01	05/01/24 21:54	1
Arsenic	ND		0.0013	0.00086	mg/L		05/01/24 09:01	05/01/24 21:54	1
Barium	ND		0.0025	0.00089	mg/L		05/01/24 09:01	05/01/24 21:54	1
Beryllium	ND		0.0020	0.00020	mg/L		05/01/24 09:01	05/01/24 21:54	1
Boron	ND		0.050	0.022	mg/L		05/01/24 09:01	05/01/24 21:54	1
Cadmium	ND		0.0010	0.000078	mg/L		05/01/24 09:01	05/01/24 21:54	1
Calcium	ND		0.25	0.14	mg/L		05/01/24 09:01	05/01/24 21:54	1
Chromium	ND		0.0025	0.0012	mg/L		05/01/24 09:01	05/01/24 21:54	1
Cobalt	ND		0.0025	0.00022	mg/L		05/01/24 09:01	05/01/24 21:54	1
Lead	ND		0.0013	0.00021	mg/L		05/01/24 09:01	05/01/24 21:54	1
Lithium	ND		0.0025	0.0020	mg/L		05/01/24 09:01	05/01/24 21:54	1
Molybdenum	ND		0.010	0.00086	mg/L		05/01/24 09:01	05/01/24 21:54	1
Selenium	ND		0.0013	0.00099	mg/L		05/01/24 09:01	05/01/24 21:54	1
Thallium	ND		0.00050	0.00026	mg/L		05/01/24 09:01	05/01/24 21:54	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000080	mg/L		05/03/24 09:54	05/04/24 09:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	ND		5.0	5.0	mg/L			05/01/24 12:14	1
Chloride (SM 4500 Cl- E)	ND		2.0	1.4	mg/L			05/02/24 17:32	1
Fluoride (SM 4500 F C)	ND		0.10	0.022	mg/L			04/30/24 11:35	1
Sulfate (SM 4500 SO4 E)	ND		5.0	1.4	mg/L			05/10/24 11:14	1

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255094-1

Client Sample ID: FB-20240424

Date Collected: 04/24/24 12:50
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255094-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0025	0.00034	mg/L		05/01/24 09:01	05/01/24 21:58	1
Arsenic	ND		0.0013	0.00086	mg/L		05/01/24 09:01	05/01/24 21:58	1
Barium	ND		0.0025	0.00089	mg/L		05/01/24 09:01	05/01/24 21:58	1
Beryllium	ND		0.0020	0.00020	mg/L		05/01/24 09:01	05/01/24 21:58	1
Boron	ND		0.050	0.022	mg/L		05/01/24 09:01	05/01/24 21:58	1
Cadmium	ND		0.0010	0.000078	mg/L		05/01/24 09:01	05/01/24 21:58	1
Calcium	ND		0.25	0.14	mg/L		05/01/24 09:01	05/01/24 21:58	1
Chromium	ND		0.0025	0.0012	mg/L		05/01/24 09:01	05/01/24 21:58	1
Cobalt	ND		0.0025	0.00022	mg/L		05/01/24 09:01	05/01/24 21:58	1
Lead	ND		0.0013	0.00021	mg/L		05/01/24 09:01	05/01/24 21:58	1
Lithium	ND		0.0025	0.0020	mg/L		05/01/24 09:01	05/01/24 21:58	1
Molybdenum	ND		0.010	0.00086	mg/L		05/01/24 09:01	05/01/24 21:58	1
Selenium	ND		0.0013	0.00099	mg/L		05/01/24 09:01	05/01/24 21:58	1
Thallium	ND		0.00050	0.00026	mg/L		05/01/24 09:01	05/01/24 21:58	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000080	mg/L		05/03/24 09:54	05/04/24 10:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	ND		5.0	5.0	mg/L			05/01/24 12:14	1
Chloride (SM 4500 Cl- E)	ND		2.0	1.4	mg/L			05/02/24 17:33	1
Fluoride (SM 4500 F C)	ND		0.10	0.022	mg/L			04/30/24 11:35	1
Sulfate (SM 4500 SO4 E)	ND		5.0	1.4	mg/L			05/10/24 11:14	1

Definitions/Glossary

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255094-1

Qualifiers

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

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

Glossary

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

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255094-1

Client Sample ID: MW-U1-20240423
Date Collected: 04/23/24 12:27
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255094-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			835692	RR	EET SAV	05/01/24 09:01
Total Recoverable	Analysis	6020B		1	835904	BWR	EET SAV	05/01/24 21:46
Total/NA	Prep	7470A			836618	DW	EET SAV	05/06/24 16:53
Total/NA	Analysis	7470A		1	836859	DW	EET SAV	05/07/24 14:22
Total/NA	Analysis	SM 2540C		1	669873	HA	EET PEN	04/30/24 10:15
Total/NA	Analysis	SM 4500 Cl- E		1	670327	CJK	EET PEN	05/02/24 17:31
Total/NA	Analysis	SM 4500 F C		1	669910	JP	EET PEN	04/30/24 11:35
Total/NA	Analysis	SM 4500 SO4 E		1	671139	KWS	EET PEN	05/10/24 11:12
Total/NA	Analysis	Field Sampling		1	671263	C1H	EET PEN	04/23/24 11:27

Client Sample ID: MW-U2-20240423
Date Collected: 04/23/24 12:37
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255094-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			835692	RR	EET SAV	05/01/24 09:01
Total Recoverable	Analysis	6020B		1	835904	BWR	EET SAV	05/01/24 21:50
Total/NA	Prep	7470A			836618	DW	EET SAV	05/06/24 16:53
Total/NA	Analysis	7470A		1	836859	DW	EET SAV	05/07/24 14:24
Total/NA	Analysis	SM 2540C		1	669873	HA	EET PEN	04/30/24 10:15
Total/NA	Analysis	SM 4500 Cl- E		1	670327	CJK	EET PEN	05/02/24 17:31
Total/NA	Analysis	SM 4500 F C		1	669910	JP	EET PEN	04/30/24 11:35
Total/NA	Analysis	SM 4500 SO4 E		1	671139	KWS	EET PEN	05/10/24 11:13
Total/NA	Analysis	Field Sampling		1	671263	C1H	EET PEN	04/23/24 11:37

Client Sample ID: EB-20240424
Date Collected: 04/24/24 13:20
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255094-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			835692	RR	EET SAV	05/01/24 09:01
Total Recoverable	Analysis	6020B		1	835904	BWR	EET SAV	05/01/24 21:54
Total/NA	Prep	7470A			836157	RS	EET SAV	05/03/24 09:54
Total/NA	Analysis	7470A		1	836331	DW	EET SAV	05/04/24 09:59
Total/NA	Analysis	SM 2540C		1	670073	HA	EET PEN	05/01/24 12:14
Total/NA	Analysis	SM 4500 Cl- E		1	670327	CJK	EET PEN	05/02/24 17:32
Total/NA	Analysis	SM 4500 F C		1	669910	JP	EET PEN	04/30/24 11:35
Total/NA	Analysis	SM 4500 SO4 E		1	671139	KWS	EET PEN	05/10/24 11:14

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255094-1

Client Sample ID: FB-20240424

Date Collected: 04/24/24 12:50
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255094-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			835692	RR	EET SAV	05/01/24 09:01
Total Recoverable	Analysis	6020B		1	835904	BWR	EET SAV	05/01/24 21:58
Total/NA	Prep	7470A			836157	RS	EET SAV	05/03/24 09:54
Total/NA	Analysis	7470A		1	836331	DW	EET SAV	05/04/24 10:01
Total/NA	Analysis	SM 2540C		1	670073	HA	EET PEN	05/01/24 12:14
Total/NA	Analysis	SM 4500 Cl- E		1	670327	CJK	EET PEN	05/02/24 17:33
Total/NA	Analysis	SM 4500 F C		1	669910	JP	EET PEN	04/30/24 11:35
Total/NA	Analysis	SM 4500 SO4 E		1	671139	KWS	EET PEN	05/10/24 11:14

Laboratory References:

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

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Metals

Prep Batch: 835692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255094-1	MW-U1-20240423	Total Recoverable	Water	3005A	
400-255094-2	MW-U2-20240423	Total Recoverable	Water	3005A	
400-255094-3	EB-20240424	Total Recoverable	Water	3005A	
400-255094-4	FB-20240424	Total Recoverable	Water	3005A	
MB 680-835692/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-835692/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
400-255090-C-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
400-255090-C-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 835904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255094-1	MW-U1-20240423	Total Recoverable	Water	6020B	835692
400-255094-2	MW-U2-20240423	Total Recoverable	Water	6020B	835692
400-255094-3	EB-20240424	Total Recoverable	Water	6020B	835692
400-255094-4	FB-20240424	Total Recoverable	Water	6020B	835692
MB 680-835692/1-A	Method Blank	Total Recoverable	Water	6020B	835692
LCS 680-835692/2-A	Lab Control Sample	Total Recoverable	Water	6020B	835692
400-255090-C-1-B MS	Matrix Spike	Total Recoverable	Water	6020B	835692
400-255090-C-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	835692

Prep Batch: 836157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255094-3	EB-20240424	Total/NA	Water	7470A	
400-255094-4	FB-20240424	Total/NA	Water	7470A	
MB 680-836157/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-836157/2-A	Lab Control Sample	Total/NA	Water	7470A	
400-255090-C-7-C MS	Matrix Spike	Total/NA	Water	7470A	
400-255090-C-7-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 836331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255094-3	EB-20240424	Total/NA	Water	7470A	836157
400-255094-4	FB-20240424	Total/NA	Water	7470A	836157
MB 680-836157/1-A	Method Blank	Total/NA	Water	7470A	836157
LCS 680-836157/2-A	Lab Control Sample	Total/NA	Water	7470A	836157
400-255090-C-7-C MS	Matrix Spike	Total/NA	Water	7470A	836157
400-255090-C-7-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	836157

Prep Batch: 836618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255094-1	MW-U1-20240423	Total/NA	Water	7470A	
400-255094-2	MW-U2-20240423	Total/NA	Water	7470A	
MB 680-836618/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-836618/2-A	Lab Control Sample	Total/NA	Water	7470A	
400-255088-C-4-C MS	Matrix Spike	Total/NA	Water	7470A	
400-255088-C-4-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 836859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255094-1	MW-U1-20240423	Total/NA	Water	7470A	836618
400-255094-2	MW-U2-20240423	Total/NA	Water	7470A	836618

Metals (Continued)

Analysis Batch: 836859 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-836618/1-A	Method Blank	Total/NA	Water	7470A	836618
LCS 680-836618/2-A	Lab Control Sample	Total/NA	Water	7470A	836618
400-255088-C-4-C MS	Matrix Spike	Total/NA	Water	7470A	836618
400-255088-C-4-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	836618

General Chemistry

Analysis Batch: 669873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255094-1	MW-U1-20240423	Total/NA	Water	SM 2540C	
400-255094-2	MW-U2-20240423	Total/NA	Water	SM 2540C	
MB 400-669873/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-669873/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-254872-D-5 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 669910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255094-1	MW-U1-20240423	Total/NA	Water	SM 4500 F C	
400-255094-2	MW-U2-20240423	Total/NA	Water	SM 4500 F C	
400-255094-3	EB-20240424	Total/NA	Water	SM 4500 F C	
400-255094-4	FB-20240424	Total/NA	Water	SM 4500 F C	
MB 400-669910/9	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-669910/11	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MRL 400-669910/10	Lab Control Sample	Total/NA	Water	SM 4500 F C	
400-255088-B-1 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
400-255088-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	
400-255090-B-5 DU	Duplicate	Total/NA	Water	SM 4500 F C	

Analysis Batch: 670073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255094-3	EB-20240424	Total/NA	Water	SM 2540C	
400-255094-4	FB-20240424	Total/NA	Water	SM 2540C	
MB 400-670073/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-670073/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-254881-C-8 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 670327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255094-1	MW-U1-20240423	Total/NA	Water	SM 4500 Cl- E	
400-255094-2	MW-U2-20240423	Total/NA	Water	SM 4500 Cl- E	
400-255094-3	EB-20240424	Total/NA	Water	SM 4500 Cl- E	
400-255094-4	FB-20240424	Total/NA	Water	SM 4500 Cl- E	
MB 400-670327/44	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-670327/45	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-670327/46	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-255090-B-1 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- E	
400-255090-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- E	
400-255094-4 MS	FB-20240424	Total/NA	Water	SM 4500 Cl- E	
400-255094-4 MSD	FB-20240424	Total/NA	Water	SM 4500 Cl- E	

QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255094-1

General Chemistry

Analysis Batch: 671139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255094-1	MW-U1-20240423	Total/NA	Water	SM 4500 SO4 E	
400-255094-2	MW-U2-20240423	Total/NA	Water	SM 4500 SO4 E	
400-255094-3	EB-20240424	Total/NA	Water	SM 4500 SO4 E	
400-255094-4	FB-20240424	Total/NA	Water	SM 4500 SO4 E	
MB 400-671139/27	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-671139/28	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-671139/26	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-255094-1 MS	MW-U1-20240423	Total/NA	Water	SM 4500 SO4 E	
400-255094-1 MSD	MW-U1-20240423	Total/NA	Water	SM 4500 SO4 E	

Field Service / Mobile Lab

Analysis Batch: 671263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255094-1	MW-U1-20240423	Total/NA	Water	Field Sampling	
400-255094-2	MW-U2-20240423	Total/NA	Water	Field Sampling	

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-835692/1-A
Matrix: Water
Analysis Batch: 835904

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 835692

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.000550	J	0.0025	0.00034	mg/L		05/01/24 09:01	05/01/24 20:53	1
Arsenic	ND		0.0013	0.00086	mg/L		05/01/24 09:01	05/01/24 20:53	1
Barium	ND		0.0025	0.00089	mg/L		05/01/24 09:01	05/01/24 20:53	1
Beryllium	ND		0.0020	0.00020	mg/L		05/01/24 09:01	05/01/24 20:53	1
Boron	ND		0.050	0.022	mg/L		05/01/24 09:01	05/01/24 20:53	1
Cadmium	ND		0.0010	0.000078	mg/L		05/01/24 09:01	05/01/24 20:53	1
Calcium	ND		0.25	0.14	mg/L		05/01/24 09:01	05/01/24 20:53	1
Chromium	ND		0.0025	0.0012	mg/L		05/01/24 09:01	05/01/24 20:53	1
Cobalt	ND		0.0025	0.00022	mg/L		05/01/24 09:01	05/01/24 20:53	1
Lead	ND		0.0013	0.00021	mg/L		05/01/24 09:01	05/01/24 20:53	1
Lithium	ND		0.0025	0.0020	mg/L		05/01/24 09:01	05/01/24 20:53	1
Molybdenum	ND		0.010	0.00086	mg/L		05/01/24 09:01	05/01/24 20:53	1
Selenium	ND		0.0013	0.00099	mg/L		05/01/24 09:01	05/01/24 20:53	1
Thallium	ND		0.00050	0.00026	mg/L		05/01/24 09:01	05/01/24 20:53	1

Lab Sample ID: LCS 680-835692/2-A
Matrix: Water
Analysis Batch: 835904

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 835692

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0548		mg/L		110	80 - 120
Arsenic	0.100	0.108		mg/L		108	80 - 120
Barium	0.100	0.109		mg/L		109	80 - 120
Beryllium	0.0500	0.0567		mg/L		113	80 - 120
Boron	0.400	0.463		mg/L		116	80 - 120
Cadmium	0.0500	0.0561		mg/L		112	80 - 120
Calcium	5.00	5.22		mg/L		104	80 - 120
Chromium	0.100	0.108		mg/L		108	80 - 120
Cobalt	0.0500	0.0544		mg/L		109	80 - 120
Lead	0.500	0.528		mg/L		106	80 - 120
Lithium	0.500	0.547		mg/L		109	80 - 120
Molybdenum	0.100	0.104		mg/L		104	80 - 120
Selenium	0.100	0.107		mg/L		107	80 - 120
Thallium	0.0500	0.0511		mg/L		102	80 - 120

Lab Sample ID: 400-255090-C-1-B MS
Matrix: Water
Analysis Batch: 835904

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 835692

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.00042	J B	0.0500	0.0560		mg/L		111	75 - 125
Arsenic	ND		0.100	0.109		mg/L		109	75 - 125
Barium	0.018		0.100	0.130		mg/L		112	75 - 125
Beryllium	ND		0.0500	0.0555		mg/L		111	75 - 125
Boron	0.027	J	0.400	0.455		mg/L		107	75 - 125
Cadmium	ND		0.0500	0.0571		mg/L		114	75 - 125
Calcium	52		5.00	53.8	4	mg/L		44	75 - 125
Chromium	ND		0.100	0.113		mg/L		112	75 - 125
Cobalt	ND		0.0500	0.0549		mg/L		110	75 - 125

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

Lab Sample ID: 400-255090-C-1-B MS
Matrix: Water
Analysis Batch: 835904

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 835692

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	ND		0.500	0.513		mg/L		103	75 - 125
Lithium	ND		0.500	0.525		mg/L		105	75 - 125
Molybdenum	ND		0.100	0.108		mg/L		108	75 - 125
Selenium	ND		0.100	0.111		mg/L		111	75 - 125
Thallium	ND		0.0500	0.0520		mg/L		104	75 - 125

Lab Sample ID: 400-255090-C-1-C MSD
Matrix: Water
Analysis Batch: 835904

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 835692

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.00042	J B	0.0500	0.0512		mg/L		102	75 - 125	9	20
Arsenic	ND		0.100	0.101		mg/L		101	75 - 125	8	20
Barium	0.018		0.100	0.119		mg/L		101	75 - 125	9	20
Beryllium	ND		0.0500	0.0532		mg/L		106	75 - 125	4	20
Boron	0.027	J	0.400	0.438		mg/L		103	75 - 125	4	20
Cadmium	ND		0.0500	0.0514		mg/L		103	75 - 125	10	20
Calcium	52		5.00	48.7	4	mg/L		-59	75 - 125	10	20
Chromium	ND		0.100	0.103		mg/L		103	75 - 125	9	20
Cobalt	ND		0.0500	0.0511		mg/L		102	75 - 125	7	20
Lead	ND		0.500	0.496		mg/L		99	75 - 125	3	20
Lithium	ND		0.500	0.507		mg/L		101	75 - 125	3	20
Molybdenum	ND		0.100	0.0982		mg/L		98	75 - 125	9	20
Selenium	ND		0.100	0.102		mg/L		102	75 - 125	8	20
Thallium	ND		0.0500	0.0481		mg/L		96	75 - 125	8	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-836157/1-A
Matrix: Water
Analysis Batch: 836331

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 836157

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000080	mg/L		05/03/24 09:54	05/03/24 20:07	1

Lab Sample ID: LCS 680-836157/2-A
Matrix: Water
Analysis Batch: 836331

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 836157

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00257		mg/L		103	80 - 120

Lab Sample ID: 400-255090-C-7-C MS
Matrix: Water
Analysis Batch: 836331

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 836157

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00100	0.00104		mg/L		104	80 - 120

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

Lab Sample ID: 400-255090-C-7-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 836331 — **Prep Batch: 836157**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00100	0.00103		mg/L		103	80 - 120	1	20

Lab Sample ID: MB 680-836618/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 836859 — **Prep Batch: 836618**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000080	mg/L		05/06/24 16:53	05/07/24 14:11	1

Lab Sample ID: LCS 680-836618/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 836859 — **Prep Batch: 836618**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00257		mg/L		103	80 - 120

Lab Sample ID: 400-255088-C-4-C MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 836859 — **Prep Batch: 836618**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00100	0.00101		mg/L		101	80 - 120

Lab Sample ID: 400-255088-C-4-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 836859 — **Prep Batch: 836618**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00100	0.00102		mg/L		102	80 - 120	2	20

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

Lab Sample ID: MB 400-669873/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 669873

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		5.0	5.0	mg/L			04/30/24 10:15	1

Lab Sample ID: LCS 400-669873/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 669873

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	293	286		mg/L		98	78 - 122

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

Lab Sample ID: 400-254872-D-5 DU
Matrix: Water
Analysis Batch: 669873

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	440			434		mg/L				2	5

Lab Sample ID: MB 400-670073/1
Matrix: Water
Analysis Batch: 670073

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		5.0	5.0	mg/L			05/01/24 12:14	1

Lab Sample ID: LCS 400-670073/2
Matrix: Water
Analysis Batch: 670073

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	268		mg/L		91	78 - 122		

Lab Sample ID: 400-254881-C-8 DU
Matrix: Water
Analysis Batch: 670073

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	190			194		mg/L				2	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-670327/44
Matrix: Water
Analysis Batch: 670327

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		2.0	1.4	mg/L			05/02/24 17:24	1

Lab Sample ID: LCS 400-670327/45
Matrix: Water
Analysis Batch: 670327

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			50.0	47.8		mg/L		96	90 - 110		

Lab Sample ID: MRL 400-670327/46
Matrix: Water
Analysis Batch: 670327

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	2.87		mg/L		143	50 - 150		

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

Lab Sample ID: 400-255090-B-1 MS
Matrix: Water
Analysis Batch: 670327

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	ND		10.0	10.5		mg/L		105	73 - 120

Lab Sample ID: 400-255090-B-1 MSD
Matrix: Water
Analysis Batch: 670327

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	ND		10.0	10.7		mg/L		107	73 - 120	3	8

Lab Sample ID: 400-255094-4 MS
Matrix: Water
Analysis Batch: 670327

Client Sample ID: FB-20240424
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	ND		10.0	8.63		mg/L		86	73 - 120

Lab Sample ID: 400-255094-4 MSD
Matrix: Water
Analysis Batch: 670327

Client Sample ID: FB-20240424
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	ND		10.0	8.72		mg/L		87	73 - 120	1	8

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-669910/9
Matrix: Water
Analysis Batch: 669910

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.10	0.022	mg/L			04/30/24 11:35	1

Lab Sample ID: LCS 400-669910/11
Matrix: Water
Analysis Batch: 669910

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	4.95		mg/L		99	90 - 110

Lab Sample ID: MRL 400-669910/10
Matrix: Water
Analysis Batch: 669910

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.100	0.0917	J	mg/L		92	50 - 150

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: 400-255088-B-1 MS
Matrix: Water
Analysis Batch: 669910

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	0.047	J	0.100	0.137		mg/L		90	75 - 125		

Lab Sample ID: 400-255088-B-1 MSD
Matrix: Water
Analysis Batch: 669910

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	0.047	J	0.100	0.131		mg/L		85	75 - 125	4	4

Lab Sample ID: 400-255090-B-5 DU
Matrix: Water
Analysis Batch: 669910

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Fluoride	0.050	J		0.0504	J	mg/L				0	4

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-671139/27
Matrix: Water
Analysis Batch: 671139

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		5.0	1.4	mg/L			05/10/24 11:11	1

Lab Sample ID: LCS 400-671139/28
Matrix: Water
Analysis Batch: 671139

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			15.0	13.9		mg/L		93	90 - 110		

Lab Sample ID: MRL 400-671139/26
Matrix: Water
Analysis Batch: 671139

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	4.59	J	mg/L		92	50 - 150		

Lab Sample ID: 400-255094-1 MS
Matrix: Water
Analysis Batch: 671139

Client Sample ID: MW-U1-20240423
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	2.3	J	10.0	11.5		mg/L		92	77 - 128		

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

Lab Sample ID: 400-255094-1 MSD
Matrix: Water
Analysis Batch: 671139

Client Sample ID: MW-U1-20240423
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	2.3	J	10.0	11.6		mg/L		92	77 - 128	0	5

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

Chain of Custody Record

eurofins | Environment Testing

400-255094 COC

Client Information	Sampler: Tristan H & Zain W	Lab PM: Whitmire, Cheyenne R	ng No(s):	COC No: 400-129991-29334.1
Client Contact: Dawit Yifru	Phone: 678-718-4739	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 1
Company: Geosyntec Consultants Inc	PWSID:	Analysis Requested		Job #:
Address: 1255 Roberts Blvd, NW Suite 200	Due Date Requested:			Preservation Codes: D - HNO3 N - None
City: Kennesaw	TAT Requested (days): standard			
State, Zip: GA, 30144	Compliance Project: Δ Yes Δ No			
Phone: 770-371-6027	PO #: Purchase Order not required			Other:
Email: dyifru@geosyntec.com	WO #:			
Project Name: CCR App.III/IV GW Monitoring Crisp Co	Project #: 40007960			
Site: Crisp County Power	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E - Chloride	6020 - Sb,As,B,Ba,Be,Ca,Cd,Cr,Co,Li,Pb,Tl,Se,Mo	7470A - Mercury	2540C - Total Dissolved Solids	4500_F_C - Fluoride	SM4500_SO4_E - Sulfate	FieldSampling - Field pH	Perform MS/MSD (Yes or No)	Special Instructions/Note:
			Preservation Code:		X	X	D	D	D	D	D	D	D	X	
MW-U1-20240423	04/23/24	12:27	G	Water	N	N	X	X	X	X	X	X	X	X	pH = 7.92
MW-U2-20240423	04/23/24	12:37	G	Water	|	|	X	X	X	X	X	X	X	X	pH = 7.37
EB-20240424	04/24/24	13:20	G	Water	|	|	X	X	X	X	X	X	X	X	
FB-20240424	04/24/24	12:50	G	Water	↓	↓	X	X	X	X	X	X	X	X	
				Water											
				Water											
				Water											
				Water											
				Water											
				Water											
				Water											

HH TH TH

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
Tristan Halteeman	4/25/24 11:30	Geosyntec			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Date/Time:	Company	Received by:	Date/Time: 4/26/24 9:03	Company

5/13/2024

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 400-255094-1

Login Number: 255094
List Number: 1
Creator: Pardonner, Brett

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.4°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255094-1

Laboratory: Eurofins Pensacola

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

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-24
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-24
California	State	2510	06-30-24
Florida	NELAP	E81010	06-30-24
Georgia	State	E81010(FL)	06-30-24
Illinois	NELAP	200041	10-09-24
Kansas	NELAP	E-10253	10-31-24
Kentucky (UST)	State	53	06-30-24
Louisiana (All)	NELAP	30976	06-30-24
Louisiana (DW)	State	LA017	12-31-24
North Carolina (WW/SW)	State	314	12-31-24
Oklahoma	NELAP	9810	08-31-24
Pennsylvania	NELAP	68-00467	01-31-25
South Carolina	State	96026	06-30-24
Tennessee	State	TN02907	06-30-24
Texas	NELAP	T104704286	09-30-24
US Fish & Wildlife	US Federal Programs	A22340	06-30-24
USDA	US Federal Programs	FLGNV23001	01-08-26
USDA	US Federal Programs	P330-21-00056	05-17-24
Virginia	NELAP	460166	06-14-24
West Virginia DEP	State	136	03-31-25

Laboratory: Eurofins Savannah

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

Authority	Program	Identification Number	Expiration Date
	AFCEE	SAVLAB	
Alabama	State	41450	06-30-24
ANAB	Dept. of Defense ELAP	L2463	09-22-24
Arkansas (DW)	State	GA00006	06-30-24
California	State	2939	06-30-24
Florida	NELAP	E87052	06-30-24
Georgia	State	E87052	06-30-24
Georgia (DW)	State	803	06-30-24
Hawaii	State	<cert No.>	06-30-24
Illinois	NELAP	200022	11-30-24
Indiana	State	C-GA-02	06-30-24
Iowa	State	353	07-01-25
Kentucky (UST)	State	NA	06-30-24
Louisiana	NELAP	30690	06-30-24
Louisiana (All)	NELAP	30690	06-30-24
Louisiana (DW)	State	LA009	12-31-24
Maine	State	GA00006	09-25-24
Maryland	State	250	12-31-24
Massachusetts	State	M-GA006	06-30-24
Michigan	State	9925	06-30-24
Mississippi	State	<cert No.>	06-30-24
Nebraska	State	NE-OS-7-04	06-30-24
New Jersey	NELAP	GA769	06-30-24

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255094-1

Laboratory: Eurofins Savannah (Continued)

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

Authority	Program	Identification Number	Expiration Date
New Mexico	State	GA00006	06-30-24
North Carolina (DW)	State	13701	07-31-24
North Carolina (WW/SW)	State	269	12-31-24
Pennsylvania	NELAP	68-00474	06-30-24
Puerto Rico	State	GA00006	01-01-25
South Carolina	State	98001	06-30-24
Tennessee	State	TN02961	06-30-24
Texas	NELAP	T1047004185	11-30-24
Texas	TCEQ Water Supply	T104704185	06-30-24
USDA	US Federal Programs	P330-18-00313	04-04-27
Virginia	NELAP	460161	06-14-24
Wyoming	State	8TMS-L	06-30-24

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Dawit Yifru
Geosyntec Consultants Inc
1255 Roberts Blvd, NW
Suite 200
Kennesaw, Georgia 30144

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JOB DESCRIPTION

Crisp County Power

JOB NUMBER

400-255094-2

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

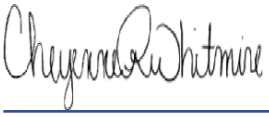
See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization



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Authorized for release by
Cheyenne Whitmire, Senior Project Manager
Cheyenne.Whitmire@et.eurofinsus.com
(850)471-6222

Table of Contents

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255094-2

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

Protocol References:

None = None

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

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

Laboratory References:

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

Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255094-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-255094-1	MW-U1-20240423	Water	04/23/24 12:27	04/26/24 09:03
400-255094-2	MW-U2-20240423	Water	04/23/24 12:37	04/26/24 09:03
400-255094-3	EB-20240424	Water	04/24/24 13:20	04/26/24 09:03
400-255094-4	FB-20240424	Water	04/24/24 12:50	04/26/24 09:03

Client Sample ID: MW-U1-20240423

Date Collected: 04/23/24 12:27
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255094-1

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00597	U	0.0504	0.0504	1.00	0.105	pCi/L	05/02/24 08:25	06/03/24 12:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.2*		*30 - 110*	*05/02/24 08:25*	*06/03/24 12:21*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.156	U	0.236	0.237	1.00	0.501	pCi/L	05/02/24 08:31	05/29/24 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.2*		*30 - 110*	*05/02/24 08:31*	*05/29/24 11:54*	*1*
Y Carrier	*76.3*		*30 - 110*	*05/02/24 08:31*	*05/29/24 11:54*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.150	U	0.241	0.242	5.00	0.501	pCi/L		06/04/24 07:23	1

Client Sample ID: MW-U2-20240423

Date Collected: 04/23/24 12:37
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255094-2

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.00326	U	0.0641	0.0641	1.00	0.131	pCi/L	05/02/24 08:25	06/03/24 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.0*		*30 - 110*	*05/02/24 08:25*	*06/03/24 12:11*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.153	U	0.276	0.277	1.00	0.478	pCi/L	05/02/24 08:31	05/29/24 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.0*		*30 - 110*	*05/02/24 08:31*	*05/29/24 11:54*	*1*
Y Carrier	*77.4*		*30 - 110*	*05/02/24 08:31*	*05/29/24 11:54*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.150	U	0.283	0.284	5.00	0.478	pCi/L		06/04/24 07:23	1

Client Sample ID: EB-20240424

Date Collected: 04/24/24 13:20
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255094-3

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0351	U	0.0756	0.0757	1.00	0.136	pCi/L	05/02/24 08:25	06/03/24 12:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*05/02/24 08:25*	*06/03/24 12:11*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.235	U	0.293	0.294	1.00	0.486	pCi/L	05/02/24 08:31	05/29/24 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*30 - 110*	*05/02/24 08:31*	*05/29/24 11:54*	*1*
Y Carrier	*79.6*		*30 - 110*	*05/02/24 08:31*	*05/29/24 11:54*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.270	U	0.303	0.304	5.00	0.486	pCi/L		06/04/24 07:23	1

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255094-2

Client Sample ID: FB-20240424

Date Collected: 04/24/24 12:50
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255094-4

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.00173	U	0.0628	0.0628	1.00	0.130	pCi/L	05/02/24 08:25	06/03/24 13:45	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.7*		*30 - 110*	*05/02/24 08:25*	*06/03/24 13:45*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0397	U	0.287	0.287	1.00	0.552	pCi/L	05/02/24 08:31	05/29/24 11:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.7*		*30 - 110*	*05/02/24 08:31*	*05/29/24 11:55*	*1*
Y Carrier	*77.0*		*30 - 110*	*05/02/24 08:31*	*05/29/24 11:55*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.0415	U	0.294	0.294	5.00	0.552	pCi/L		06/04/24 07:23	1

Definitions/Glossary

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255094-2

Qualifiers

Rad

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

Glossary

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

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255094-2

Client Sample ID: MW-U1-20240423
Date Collected: 04/23/24 12:27
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255094-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			659657	MLT	EET SL	05/02/24 08:25
Total/NA	Analysis	9315		1	664450	SWS	EET SL	06/03/24 12:21
Total/NA	Prep	PrecSep_0			659660	MLT	EET SL	05/02/24 08:31
Total/NA	Analysis	9320		1	663740	SCB	EET SL	05/29/24 11:54
Total/NA	Analysis	Ra226_Ra228		1	664520	FLC	EET SL	06/04/24 07:23

Client Sample ID: MW-U2-20240423
Date Collected: 04/23/24 12:37
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255094-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			659657	MLT	EET SL	05/02/24 08:25
Total/NA	Analysis	9315		1	664451	SCB	EET SL	06/03/24 12:11
Total/NA	Prep	PrecSep_0			659660	MLT	EET SL	05/02/24 08:31
Total/NA	Analysis	9320		1	663740	SCB	EET SL	05/29/24 11:54
Total/NA	Analysis	Ra226_Ra228		1	664520	FLC	EET SL	06/04/24 07:23

Client Sample ID: EB-20240424
Date Collected: 04/24/24 13:20
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255094-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			659657	MLT	EET SL	05/02/24 08:25
Total/NA	Analysis	9315		1	664451	SCB	EET SL	06/03/24 12:11
Total/NA	Prep	PrecSep_0			659660	MLT	EET SL	05/02/24 08:31
Total/NA	Analysis	9320		1	663740	SCB	EET SL	05/29/24 11:54
Total/NA	Analysis	Ra226_Ra228		1	664520	FLC	EET SL	06/04/24 07:23

Client Sample ID: FB-20240424
Date Collected: 04/24/24 12:50
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255094-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			659657	MLT	EET SL	05/02/24 08:25
Total/NA	Analysis	9315		1	664292	SCB	EET SL	06/03/24 13:45
Total/NA	Prep	PrecSep_0			659660	MLT	EET SL	05/02/24 08:31
Total/NA	Analysis	9320		1	663740	SCB	EET SL	05/29/24 11:55
Total/NA	Analysis	Ra226_Ra228		1	664520	FLC	EET SL	06/04/24 07:23

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

Rad

Prep Batch: 659657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255094-1	MW-U1-20240423	Total/NA	Water	PrecSep-21	
400-255094-2	MW-U2-20240423	Total/NA	Water	PrecSep-21	
400-255094-3	EB-20240424	Total/NA	Water	PrecSep-21	
400-255094-4	FB-20240424	Total/NA	Water	PrecSep-21	
MB 160-659657/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-659657/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
240-203565-K-9-A MSD	Matrix Spike Duplicate	Total/NA	Water	PrecSep-21	
240-203565-L-9-A MS	Matrix Spike	Total/NA	Water	PrecSep-21	

Prep Batch: 659660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255094-1	MW-U1-20240423	Total/NA	Water	PrecSep_0	
400-255094-2	MW-U2-20240423	Total/NA	Water	PrecSep_0	
400-255094-3	EB-20240424	Total/NA	Water	PrecSep_0	
400-255094-4	FB-20240424	Total/NA	Water	PrecSep_0	
MB 160-659660/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-659660/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
240-203565-K-9-B MSD	Matrix Spike Duplicate	Total/NA	Water	PrecSep_0	
240-203565-L-9-B MS	Matrix Spike	Total/NA	Water	PrecSep_0	

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-659657/1-A
Matrix: Water
Analysis Batch: 664291

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 659657

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.005333	U	0.0721	0.0721	1.00	0.143	pCi/L	05/02/24 08:25	06/02/24 15:27	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.7*		*30 - 110*	*05/02/24 08:25*	*06/02/24 15:27*	*1*

Lab Sample ID: LCS 160-659657/2-A
Matrix: Water
Analysis Batch: 664291

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 659657

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	9.948		1.08	1.00	0.151	pCi/L	88	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*99.5*		*30 - 110*

Lab Sample ID: 240-203565-K-9-A MSD
Matrix: Water
Analysis Batch: 664450

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 659657

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	0.0717	U	11.3	8.757		0.961	1.00	0.120	pCi/L	77	60 - 140	0.40	1

Carrier	*MSD %Yield*	*MSD Qualifier*	*Limits*
Ba Carrier	*98.2*		*30 - 110*

Lab Sample ID: 240-203565-L-9-A MS
Matrix: Water
Analysis Batch: 664450

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 659657

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226	0.0717	U	11.3	9.557		1.04	1.00	0.126	pCi/L	84	60 - 140		

Carrier	*MS %Yield*	*MS Qualifier*	*Limits*
Ba Carrier	*98.7*		*30 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-659660/1-A
Matrix: Water
Analysis Batch: 663739

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 659660

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2869	U	0.352	0.353	1.00	0.582	pCi/L	05/02/24 08:31	05/29/24 11:54	1

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

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	97.7		30 - 110	05/02/24 08:31	05/29/24 11:54	1
Y Carrier	72.9		30 - 110	05/02/24 08:31	05/29/24 11:54	1

Lab Sample ID: LCS 160-659660/2-A
Matrix: Water
Analysis Batch: 663739

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 659660

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.90	10.51		1.39	1.00	0.543	pCi/L	118	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	99.5		30 - 110
Y Carrier	77.4		30 - 110

Lab Sample ID: 240-203565-K-9-B MSD
Matrix: Water
Analysis Batch: 663733

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 659660

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	0.159	U	8.87	9.094		1.37	1.00	0.752	pCi/L	101	60 - 140	0.01	1

Carrier	MSD %Yield	MSD Qualifier	Limits
Ba Carrier	98.2		30 - 110
Y Carrier	73.3		30 - 110

Lab Sample ID: 240-203565-L-9-B MS
Matrix: Water
Analysis Batch: 663733

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 659660

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228	0.159	U	8.89	9.078		1.32	1.00	0.650	pCi/L	100	60 - 140		

Carrier	MS %Yield	MS Qualifier	Limits
Ba Carrier	98.7		30 - 110
Y Carrier	80.0		30 - 110

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

Chain of Custody Record

eurofins | Environment Testing

400-255094 COC

Client Information	Sampler: Tristan H & Zain W	Lab PM: Whitmire, Cheyenne R	ng No(s):	COC No: 400-129991-29334.1
Client Contact: Dawit Yifru	Phone: 678-718-4739	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 1
Company: Geosyntec Consultants Inc	PWSID:	Analysis Requested		Job #:
Address: 1255 Roberts Blvd, NW Suite 200	Due Date Requested:			Preservation Codes: D - HNO3 N - None
City: Kennesaw	TAT Requested (days): standard			
State, Zip: GA, 30144	Compliance Project: Δ Yes Δ No			
Phone: 770-371-6027	PO #: Purchase Order not required			Other:
Email: dyifru@geosyntec.com	WO #:			
Project Name: CCR App.III/IV GW Monitoring Crisp Co	Project #: 40007960			
Site: Crisp County Power	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E - Chloride	6020 - Sb,As,B,Ba,Be,Ca,Cd,Cr,Co,Li,Pb,Tl,Se,Mo	7470A - Mercury	2540C - Total Dissolved Solids	4500_F_C - Fluoride	SM4500_SO4_E - Sulfate	FieldSampling - Field pH	Perform MS/MSD (Yes or No)	Special Instructions/Note:
			Preservation Code:		X	X	D	D	D	D	D	D	D	X	
MW-U1-20240423	04/23/24	12:27	G	Water	N	N	X	X	X	X	X	X	X	X	pH = 7.92
MW-U2-20240423	04/23/24	12:37	G	Water	|	|	X	X	X	X	X	X	X	X	pH = 7.37
EB-20240424	04/24/24	13:20	G	Water	|	|	X	X	X	X	X	X	X	X	
FB-20240424	04/24/24	12:50	G	Water	↓	↓	X	X	X	X	X	X	X	X	
				Water											
				Water											
				Water											
				Water											
				Water											
				Water											
				Water											

TH TH TH

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
Tristan Halteeman	4/25/24 11:30	Geosyntec			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Date/Time:	Company	Received by:	Date/Time: 4/26/24 9:03	Company

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 400-255094-2

Login Number: 255094
List Number: 1
Creator: Pardonner, Brett

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.4°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Project/Site: Crisp County Power

Job ID: 400-255094-2

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-08-25
ANAB	ISO/IEC 17025	L2305	04-06-25
Arizona	State	AZ0813	12-08-24
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-24
Connecticut	State	PH-0241	03-31-25
Florida	NELAP	E87689	06-30-24
HI - RadChem Recognition	State	n/a	06-30-24
Illinois	NELAP	200023	11-30-24
Iowa	State	373	12-01-24
Kansas	NELAP	E-10236	10-31-24
Kentucky (DW)	State	KY90125	12-31-24
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-24
Louisiana	NELAP	04080	06-30-22 *
Louisiana (All)	NELAP	04080	06-30-24
Louisiana (DW)	State	LA011	12-31-24
Maryland	State	310	09-30-24
Massachusetts	State	M-MO054	06-30-24
MI - RadChem Recognition	State	9005	06-30-24
Missouri	State	780	06-30-25
Nevada	State	MO00054	07-31-24
New Jersey	NELAP	MO002	06-30-24
New Mexico	State	MO00054	06-30-24
New York	NELAP	11616	03-31-25
North Carolina (DW)	State	29700	07-31-24
North Dakota	State	R-207	06-30-24
Oklahoma	NELAP	9997	08-31-24
Oregon	NELAP	4157	09-01-24
Pennsylvania	NELAP	68-00540	02-28-25
South Carolina	State	85002001	06-30-24
Texas	NELAP	T104704193	07-31-24
US Fish & Wildlife	US Federal Programs	058448	07-31-24
USDA	US Federal Programs	P330-17-00028	05-18-26
Utah	NELAP	MO00054	07-31-24
Virginia	NELAP	10310	06-15-25
Washington	State	C592	08-30-24
West Virginia DEP	State	381	10-31-24

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

APPENDIX C

Statistical Calculations and Time-series Graphs

Prediction Limit

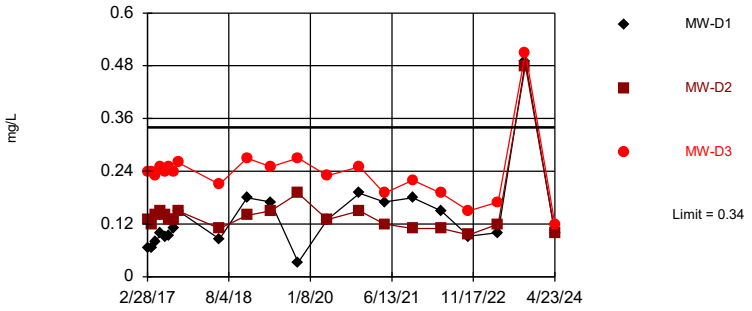
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10 Printed 6/26/2024, 11:21 AM

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-D1	0.34	n/a	4/23/2024	0.099	No	23	n/a	n/a	69.57	n/a	n/a	0.003311	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-D2	0.34	n/a	4/23/2024	0.1	No	23	n/a	n/a	69.57	n/a	n/a	0.003311	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-D3	0.34	n/a	4/23/2024	0.12	No	23	n/a	n/a	69.57	n/a	n/a	0.003311	NP Inter (NDs) 1 of 2
Calcium (mg/L)	MW-D1	39.31	n/a	4/23/2024	21	No	22	34.77	2.429	0	None	No	0.002505	Param Inter 1 of 2
Calcium (mg/L)	**MW-D2**	**39.31**	**n/a**	**4/23/2024**	**110**	**Yes**	**22**	**34.77**	**2.429**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-D3**	**39.31**	**n/a**	**4/23/2024**	**64**	**Yes**	**22**	**34.77**	**2.429**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	MW-D1	9.833	n/a	4/23/2024	4.7	No	22	n/a	n/a	4.545	n/a	n/a	0.003586	NP Inter (normality) 1 of 2
Chloride (mg/L)	MW-D2	9.833	n/a	4/23/2024	3.7	No	22	n/a	n/a	4.545	n/a	n/a	0.003586	NP Inter (normality) 1 of 2
Chloride (mg/L)	MW-D3	9.833	n/a	4/23/2024	2.5	No	22	n/a	n/a	4.545	n/a	n/a	0.003586	NP Inter (normality) 1 of 2
Field pH (SU)	MW-D1	9.43	5.07	4/23/2024	6.25	No	23	n/a	n/a	0	n/a	n/a	0.006622	NP Inter (normality) 1 of 2
Field pH (SU)	MW-D2	9.43	5.07	4/23/2024	6.8	No	23	n/a	n/a	0	n/a	n/a	0.006622	NP Inter (normality) 1 of 2
Field pH (SU)	MW-D3	9.43	5.07	4/23/2024	7.5	No	23	n/a	n/a	0	n/a	n/a	0.006622	NP Inter (normality) 1 of 2
Fluoride (mg/L)	MW-D1	0.09977	n/a	4/23/2024	0.047J	No	23	-2.808	0.2712	13.04	None	ln(x)	0.002505	Param Inter 1 of 2
Fluoride (mg/L)	MW-D2	0.09977	n/a	4/23/2024	0.059J	No	23	-2.808	0.2712	13.04	None	ln(x)	0.002505	Param Inter 1 of 2
Fluoride (mg/L)	**MW-D3**	**0.09977**	**n/a**	**4/23/2024**	**0.13**	**Yes**	**23**	**-2.808**	**0.2712**	**13.04**	**None**	**ln(x)**	**0.002505**	**Param Inter 1 of 2**
Sulfate (mg/L)	**MW-D1**	**8.867**	**n/a**	**4/23/2024**	**12**	**Yes**	**22**	**n/a**	**n/a**	**9.091**	**n/a**	**n/a**	**0.003586**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**MW-D2**	**8.867**	**n/a**	**4/23/2024**	**11**	**Yes**	**22**	**n/a**	**n/a**	**9.091**	**n/a**	**n/a**	**0.003586**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**MW-D3**	**8.867**	**n/a**	**4/23/2024**	**22**	**Yes**	**22**	**n/a**	**n/a**	**9.091**	**n/a**	**n/a**	**0.003586**	**NP Inter (normality) 1 of 2**
Total Dissolved Solids...	MW-D1	142.2	n/a	4/23/2024	84	No	22	101.7	21.68	0	None	No	0.002505	Param Inter 1 of 2
Total Dissolved Solids...	**MW-D2**	**142.2**	**n/a**	**4/23/2024**	**330**	**Yes**	**22**	**101.7**	**21.68**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**
Total Dissolved Solids...	**MW-D3**	**142.2**	**n/a**	**4/23/2024**	**220**	**Yes**	**22**	**101.7**	**21.68**	**0**	**None**	**No**	**0.002505**	**Param Inter 1 of 2**

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 23 background values. 69.57% NDs. Annual per-constituent alpha = 0.0197. Individual comparison alpha = 0.003311 (1 of 2). Comparing 3 points to limit. Seasonality was not detected with 95% confidence.

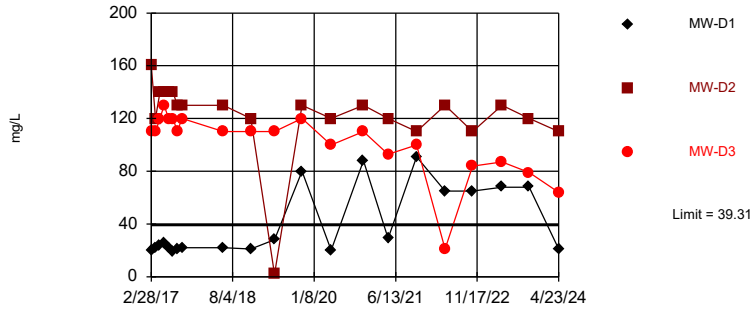
Constituent: Boron Analysis Run 6/26/2024 11:17 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Exceeds Limit: MW-D2, MW-D3

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=34.77, Std. Dev.=2.429, n=22. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.96, critical = 0.878. Kappa = 1.866 (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.

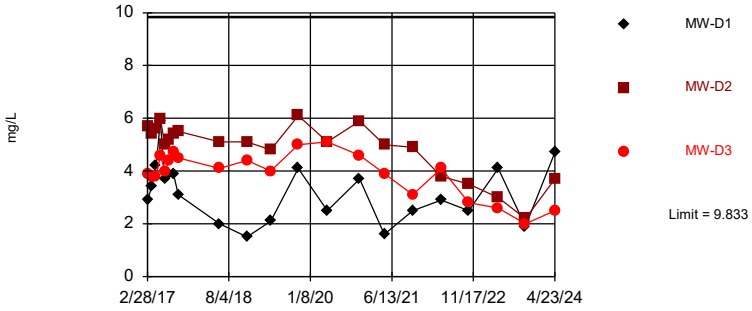
Constituent: Calcium Analysis Run 6/26/2024 11:18 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 22 background values. 4.545% NDs. Annual per-constituent alpha = 0.02133. Individual comparison alpha = 0.003586 (1 of 2). Comparing 3 points to limit. Seasonality was not detected with 95% confidence.

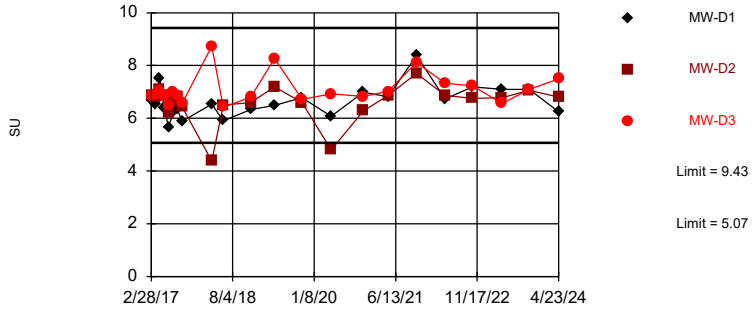
Constituent: Chloride Analysis Run 6/26/2024 11:18 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Within Limits

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 23 background values. Annual per-constituent alpha = 0.0394. Individual comparison alpha = 0.006622 (1 of 2). Comparing 3 points to limit. Seasonality was not detected with 95% confidence.

Constituent: Field pH Analysis Run 6/26/2024 11:18 AM

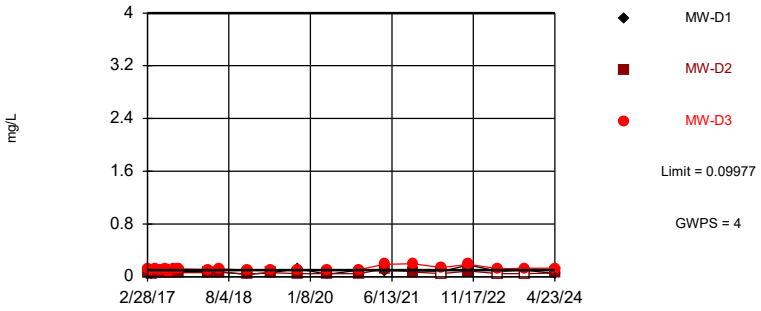
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Hollow symbols indicate censored values.

Exceeds Limit: MW-D3

Prediction Limit

Interwell Parametric



Background Data Summary (based on natural log transformation): Mean=-2.808, Std. Dev.=0.2712, n=23, 13.04% NDs. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9014, critical = 0.881. Kappa = 1.856 (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.

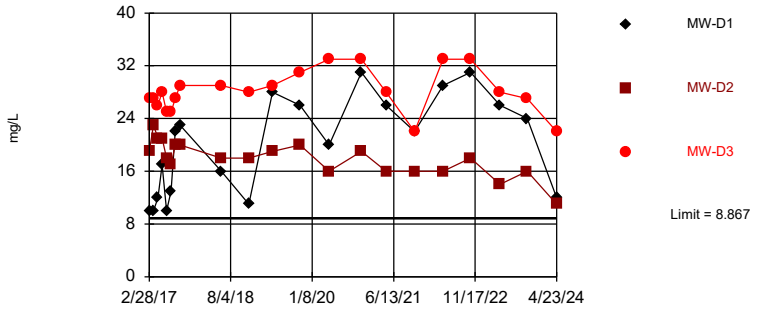
Constituent: Fluoride Analysis Run 6/26/2024 11:18 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Exceeds Limit: MW-D1, MW-D2, MW-D3

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 22 background values. 9.091% NDs. Annual per-constituent alpha = 0.02133. Individual comparison alpha = 0.003586 (1 of 2). Comparing 3 points to limit. Seasonality was not detected with 95% confidence.

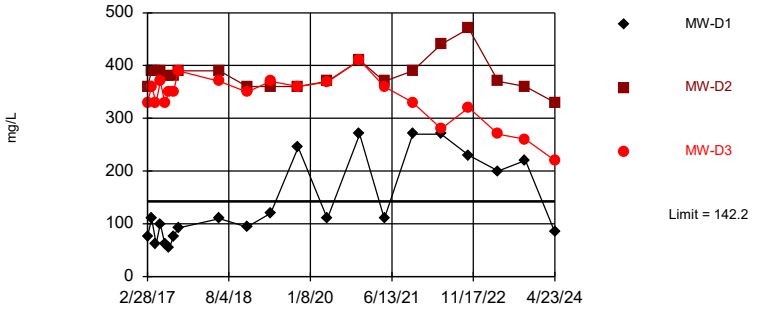
Constituent: Sulfate Analysis Run 6/26/2024 11:18 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Exceeds Limit: MW-D2, MW-D3

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=101.7, Std. Dev.=21.68, n=22. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9194, critical = 0.878. Kappa = 1.866 (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: Total Dissolved Solids Analysis Run 6/26/2024 11:18 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 6/26/2024 11:20 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

	MW-D1	MW-U1 (bg)	MW-D2	MW-D3
2/28/2017	0.065	<0.05	0.13	0.24
3/27/2017	0.066	<0.05	0.12	0.24
4/24/2017	0.079	<0.05	0.14	0.23
5/22/2017	0.1	<0.05	0.15	0.25
6/19/2017	0.091	<0.05	0.14	0.24
7/17/2017	0.094	<0.05	0.13	0.25
8/14/2017	0.11	<0.05	0.13	0.24
9/13/2017	0.15	<0.05	0.15	0.26
3/22/2018		0.0077		
6/5/2018	0.086	<0.05	0.11	0.21
11/29/2018	0.18	<0.05	0.14	0.27
4/29/2019	0.17	<0.05	0.15	0.25
10/23/2019	0.033	0.0051 (J)	0.19	0.27
4/27/2020	0.13	0.0042 (J)	0.13	0.23
11/19/2020	0.19	<0.05	0.15	0.25
4/26/2021	0.17	<0.05 (^)	0.12	0.19
10/26/2021	0.18	0.007 (J)	0.11 (B)	0.22
4/26/2022	0.15	0.0067 (J)	0.11	0.19
10/19/2022		<0.1		
10/20/2022	0.092 (J)		0.095 (J)	0.15
1/18/2023		<0.05 (^3+)		
4/26/2023	0.1 (B)	0.02 (JB)	0.12 (B)	
4/27/2023				0.17 (B)
10/17/2023	0.49	0.34	0.48	0.51
4/23/2024	0.099	<0.05	0.1	0.12

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 6/26/2024 11:20 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

	MW-D1	MW-D2	MW-D3	MW-U1 (bg)
2/28/2017	20	160	110	34
3/27/2017	22	120	110	32
4/24/2017	24	140	120	40
5/22/2017	26	140	130	36
6/19/2017	22	140	120	38
7/17/2017	19 (B)	140	120	37 (B)
8/14/2017	21	130	110	33
9/13/2017	22	130	120	35
6/5/2018	22	130	110	33
11/29/2018	21	120	110	32
4/29/2019	28	2	110	34
10/23/2019	80	130 (B)	120 (B)	38
4/27/2020	20	120	100	31
11/19/2020	88	130	110	36
4/26/2021	29	120	93 (B^)	33
10/26/2021	91	110	100	36
4/26/2022	65 (B)	130 (B)	21 (B)	34 (B)
10/19/2022				31
10/20/2022	65	110	84	
1/18/2023				36 (B)
4/26/2023	68	130		37
4/27/2023			87	
10/17/2023	68	120	79	36
4/23/2024	21	110	64	33

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 6/26/2024 11:20 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

	MW-D1	MW-U1 (bg)	MW-D2	MW-D3
2/28/2017	2.9	2.2	5.7 (F1)	3.9
3/27/2017	3.4	2.1	5.4	3.8
4/24/2017	4.2	1.8 (J)	5.6	3.8
5/22/2017	5.9	2.6	6	4.6
6/19/2017	3.7	1.9 (J)	5	4
7/17/2017	3.9	2.2	5.2	4.4
8/14/2017	3.9	2	5.4	4.7
9/13/2017	3.1	2.2	5.5	4.5
6/5/2018	2	1.8 (J)	5.1	4.1
11/29/2018	1.5 (J)	1.7 (J)	5.1	4.4
4/29/2019	2.1	1.4 (J)	4.8	4
10/23/2019	4.1	9.8 (D)	6.1	5
4/27/2020	2.5	2.4	5.1	5.1
11/19/2020	3.7	2.4	5.9	4.6
4/26/2021	1.6 (J)	9.833 (F1D)	5	3.9
10/26/2021	2.5	1.7 (J)	4.9	3.1
4/26/2022	2.9	1.9 (J)	3.8	4.1
10/19/2022		<2		
10/20/2022	2.5		3.5	2.8
1/18/2023		2.2		
4/26/2023	4.1	1.7 (J)	3	
4/27/2023				2.6
10/17/2023	1.9 (J)	1.9 (J)	2.2	2
4/23/2024	4.7	1.5 (J)	3.7	2.5

Prediction Limit

Constituent: Field pH (SU) Analysis Run 6/26/2024 11:20 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

	MW-D1	MW-U1 (bg)	MW-D2	MW-D3
2/28/2017	6.67	7.74	6.85	6.87
3/27/2017	6.55	7.78	6.83	6.92
4/24/2017	7.5	7.45	7.1	7.03
5/22/2017	6.39	7.77	6.86	6.88
6/19/2017	5.66	5.07	6.22	6.47
7/17/2017	6.2	6.37	6.68	7.01
8/14/2017	6.36	7.45	6.81	6.86
9/13/2017	5.88	7.63	6.44	6.56
3/22/2018	6.54	7.87	4.38	8.73
6/5/2018	5.91	6.74	6.5	6.42
11/29/2018	6.33	7.72	6.6	6.8
4/29/2019	6.49	7.84	7.19	8.27
10/23/2019	6.78	7.54	6.6	6.72
4/27/2020	6.08	6.05	4.8	6.93
11/19/2020	6.99	7.47	6.28	6.83
4/26/2021	6.82	7.91	6.87	7.02
10/26/2021	8.38	9.28	7.7	8.11
4/26/2022	6.73	8.1	6.86	7.32
10/19/2022		7.98		
10/20/2022	7.19		6.75	7.23
1/18/2023		9.43		
4/26/2023	7.09	7.82	6.78	
4/27/2023				6.56
10/17/2023	7.1	8.1	7.06	7.1
4/23/2024	6.25	7.92	6.8	7.5

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 6/26/2024 11:20 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

	MW-D1	MW-D2	MW-D3	MW-U1 (bg)
2/28/2017	0.06 (J)	0.06 (J)	0.13	0.06 (J)
3/27/2017	0.05 (J)	0.05 (J)	0.11	0.04 (J)
4/24/2017	0.07 (J)	0.07 (J)	0.12	0.06 (J)
5/22/2017	0.07 (J)	0.06 (J)	0.11	0.06 (J)
6/19/2017	0.08 (J)	0.06 (J)	0.12	0.06 (J)
7/17/2017	0.11	0.06 (J)	0.06 (J)	0.06 (J)
8/14/2017	0.07 (J)	0.06 (J)	0.12	0.05 (J)
9/13/2017	0.075 (J)	0.061 (J)	0.12	0.058 (J)
3/22/2018	0.08 (J)	0.06 (J)	0.11	0.07 (J)
6/5/2018	0.07 (J)	0.07 (J)	0.12	0.06 (J)
11/29/2018	0.04 (J)	0.04 (J)	0.1	0.04 (J)
4/29/2019	0.06 (J)	0.06 (J)	0.11	<0.1
10/23/2019	0.12 (B)	0.05 (JB)	0.1 (B)	0.05 (JB)
4/27/2020	0.04 (J)	0.05 (J)	0.1	0.05 (J)
11/19/2020	0.1	0.05 (J)	0.11	0.07 (J)
4/26/2021	0.09 (JB)	0.12 (B)	0.19 (B)	0.1 (B)
10/26/2021	0.09 (J)	0.07 (J)	0.2 (F1)	<0.1
4/26/2022	0.08 (J)	<0.1	0.14	0.07 (J)
10/19/2022				0.13
10/20/2022	0.18	0.088 (J)	0.19	
1/18/2023				0.075 (J)
4/26/2023	0.083 (J)	<0.1		<0.1
4/27/2023			0.12	
10/17/2023	0.1	<0.1	0.13	0.079 (J)
4/23/2024	0.047 (J)	0.059 (J)	0.13	0.05 (J)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/26/2024 11:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

	MW-D1	MW-U1 (bg)	MW-D2	MW-D3
2/28/2017	10	2.8 (J)	19	27
3/27/2017	10	2.4 (J)	23	27
4/24/2017	12	1.4 (J)	21 (F1)	26
5/22/2017	17	1.5 (J)	21	28
6/19/2017	10	1.8 (J)	18	25
7/17/2017	13	2.8 (J)	17	25
8/14/2017	22	2.6 (J)	20	27
9/13/2017	23	3.1 (J)	20	29
6/5/2018	16	2.9 (J)	18	29
11/29/2018	11	2 (J)	18	28
4/29/2019	28	<5	19	29
10/23/2019	26	2.8 (J)	20	31
4/27/2020	20	2.6 (J)	16	33
11/19/2020	31	2.3 (J)	19	33
4/26/2021	26	8.867 (D)	16	28
10/26/2021	22	<5	16	22
4/26/2022	29	4.3 (J)	16	33
10/19/2022		2.4 (J)		
10/20/2022	31		18	33
1/18/2023		1.9 (J)		
4/26/2023	26	2 (J)	14	
4/27/2023				28
10/17/2023	24	2 (J)	16	27
4/23/2024	12	2.3 (J)	11	22

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 6/26/2024 11:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

	MW-D1	MW-D2	MW-D3	MW-U1 (bg)
2/28/2017	76	360	330	80
3/27/2017	110	390	360	120
4/24/2017	62	390	330	44
5/22/2017	100	390	370	100
6/19/2017	62	380	330	92
7/17/2017	54	380	350	78
8/14/2017	76	380	350	86
9/13/2017	92	390	390	110
6/5/2018	110	390	370	110
11/29/2018	94	360	350	66
4/29/2019	120	360	370	120
10/23/2019	245 (D)	360	360	120
4/27/2020	110	370	369 (D)	120
11/19/2020	270	410	410	130
4/26/2021	110	370	360	98
10/26/2021	270	390	330	86
4/26/2022	270	440	280	98
10/19/2022				130
10/20/2022	230	470	320	
1/18/2023				110
4/26/2023	200	370		110
4/27/2023			270	
10/17/2023	220 (H)	360 (H)	260 (H)	110 (H)
4/23/2024	84	330	220	120

Summary Report

Constituent: Antimony Analysis Run 7/1/2024 8:08 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/23/2024, a summary of the selected data set:

Observations = 61
ND/Trace = 61
Wells = 4
Minimum Value = 0.0005
Maximum Value = 0.0025
Mean Value = 0.002369
Median Value = 0.0025
Standard Deviation = 0.0004992
Coefficient of Variation = 0.2107
Skewness = -3.51

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D1	15	15	0.0005	0.0025	0.002367	0.0025	0.0005164	0.2182	-3.474
MW-D2	15	15	0.0005	0.0025	0.002367	0.0025	0.0005164	0.2182	-3.474
MW-D3	15	15	0.0005	0.0025	0.002367	0.0025	0.0005164	0.2182	-3.474
MW-U1 (bg)	16	16	0.0005	0.0025	0.002375	0.0025	0.0005	0.2105	-3.615

Summary Report

Constituent: Arsenic Analysis Run 7/1/2024 8:08 AM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/23/2024, a summary of the selected data set:

Observations = 85
ND/Trace = 79
Wells = 4
Minimum Value = 0.00015
Maximum Value = 0.0025
Mean Value = 0.001227
Median Value = 0.0013
Standard Deviation = 0.0004208
Coefficient of Variation = 0.343
Skewness = 0.4476

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D1	21	21	0.00025	0.0025	0.001307	0.0013	0.0003565	0.2727	0.5835
MW-D2	21	17	0.00027	0.0025	0.00123	0.0013	0.0004131	0.3359	0.4805
MW-D3	21	6	0.00048	0.0025	0.001076	0.001	0.0004684	0.4355	1.166
MW-U1 (bg)	22	18	0.00015	0.0025	0.001291	0.0013	0.0004269	0.3306	-0.04413

Summary Report

Constituent: Barium Analysis Run 7/1/2024 8:08 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/23/2024, a summary of the selected data set:

Observations = 89
ND/Trace = 14
Wells = 4
Minimum Value = 0.0018
Maximum Value = 0.23
Mean Value = 0.07234
Median Value = 0.027
Standard Deviation = 0.0733
Coefficient of Variation = 1.013
Skewness = 0.5478

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D1	22	0	0.0095	0.027	0.01479	0.0145	0.00463	0.3132	1.166
MW-D2	22	0	0.087	0.19	0.143	0.14	0.02411	0.1685	-0.09395
MW-D3	22	0	0.038	0.23	0.1321	0.135	0.06422	0.486	0.07118
MW-U1 (bg)	23	0	0.0018	0.0062	0.002552	0.0022	0.0009486	0.3717	2.683

Summary Report

Constituent: Beryllium Analysis Run 7/1/2024 8:08 AM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/23/2024, a summary of the selected data set:

Observations = 61
ND/Trace = 61
Wells = 4
Minimum Value = 0.0004
Maximum Value = 0.0025
Mean Value = 0.001928
Median Value = 0.002
Standard Deviation = 0.0004267
Coefficient of Variation = 0.2213
Skewness = -2.92

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D1	15	15	0.0004	0.0025	0.001927	0.002	0.0004415	0.2292	-2.89
MW-D2	15	15	0.0004	0.0025	0.001927	0.002	0.0004415	0.2292	-2.89
MW-D3	15	15	0.0004	0.0025	0.001927	0.002	0.0004415	0.2292	-2.89
MW-U1 (bg)	16	16	0.0004	0.0025	0.001931	0.002	0.000427	0.2211	-3.009

Summary Report

Constituent: Cadmium Analysis Run 7/1/2024 8:08 AM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/23/2024, a summary of the selected data set:

Observations = 65
ND/Trace = 65
Wells = 4
Minimum Value = 0.000071
Maximum Value = 0.0025
Mean Value = 0.001039
Median Value = 0.001
Standard Deviation = 0.0004312
Coefficient of Variation = 0.4149
Skewness = 1.862

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D1	16	16	0.0002	0.0025	0.001044	0.001	0.0004366	0.4183	2.057
MW-D2	16	15	0.000075	0.0025	0.001036	0.001	0.0004535	0.4378	1.661
MW-D3	16	15	0.000071	0.0025	0.001036	0.001	0.0004541	0.4384	1.648
MW-U1 (bg)	17	17	0.0002	0.0025	0.001041	0.001	0.0004229	0.4062	2.137

Summary Report

Constituent: Chromium Analysis Run 7/1/2024 8:08 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/23/2024, a summary of the selected data set:

Observations = 81
ND/Trace = 75
Wells = 4
Minimum Value = 0.0005
Maximum Value = 0.0051
Mean Value = 0.002314
Median Value = 0.0025
Standard Deviation = 0.0008347
Coefficient of Variation = 0.3608
Skewness = 0.7393

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D1	20	17	0.0005	0.005	0.002485	0.0025	0.0008126	0.327	0.7624
MW-D2	20	17	0.0005	0.0038	0.002405	0.0025	0.000616	0.2561	-1.369
MW-D3	20	18	0.0005	0.0037	0.00248	0.0025	0.0005425	0.2188	-1.986
MW-U1 (bg)	21	2	0.0011	0.0051	0.001905	0.0014	0.001131	0.5936	2.118

Summary Report

Constituent: Cobalt Analysis Run 7/1/2024 8:08 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/23/2024, a summary of the selected data set:

Observations = 81
ND/Trace = 80
Wells = 4
Minimum Value = 0.00035
Maximum Value = 0.0025
Mean Value = 0.002107
Median Value = 0.0025
Standard Deviation = 0.0006815
Coefficient of Variation = 0.3234
Skewness = -1.353

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D1	20	19	0.0005	0.0025	0.002355	0.0025	0.0004807	0.2041	-3.287
MW-D2	20	18	0.00047	0.0025	0.002323	0.0025	0.00055	0.2367	-2.787
MW-D3	20	5	0.00035	0.0025	0.00149	0.00135	0.0006749	0.4528	0.3901
MW-U1 (bg)	21	20	0.0005	0.0025	0.002252	0.0025	0.0006385	0.2835	-2.235

Summary Report

Constituent: Combined Radium 226 + 228 Analysis Run 7/1/2024 8:08 AM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/23/2024, a summary of the selected data set:

Observations = 88
ND/Trace = 22
Wells = 4
Minimum Value = -0.15
Maximum Value = 1.72
Mean Value = 0.4964
Median Value = 0.481
Standard Deviation = 0.3292
Coefficient of Variation = 0.6632
Skewness = 0.9641

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D1	22	5	0.0994	1.42	0.5008	0.448	0.3186	0.6362	1.031
MW-D2	22	5	0.0139	1.28	0.5411	0.495	0.299	0.5526	0.6037
MW-D3	22	6	0.0501	1.28	0.5639	0.55	0.2792	0.4952	0.8048
MW-U1 (bg)	22	6	-0.15	1.72	0.3799	0.3	0.3989	1.05	1.678

Summary Report

Constituent: Fluoride Analysis Run 7/1/2024 8:08 AM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/23/2024, a summary of the selected data set:

Observations = 89
ND/Trace = 60
Wells = 4
Minimum Value = 0.04
Maximum Value = 0.2
Mean Value = 0.08197
Median Value = 0.07
Standard Deviation = 0.036
Coefficient of Variation = 0.4392
Skewness = 1.281

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D1	22	0	0.04	0.18	0.08023	0.0775	0.0308	0.3839	1.475
MW-D2	22	3	0.04	0.12	0.06127	0.06	0.01655	0.2701	2.194
MW-D3	22	0	0.06	0.2	0.1245	0.12	0.03218	0.2584	0.9733
MW-U1 (bg)	23	3	0.04	0.13	0.0627	0.06	0.01991	0.3176	1.92

Summary Report

Constituent: Lead Analysis Run 7/1/2024 8:08 AM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/23/2024, a summary of the selected data set:

Observations = 61
ND/Trace = 61
Wells = 4
Minimum Value = 0.00025
Maximum Value = 0.0013
Mean Value = 0.001184
Median Value = 0.0013
Standard Deviation = 0.00031
Coefficient of Variation = 0.2618
Skewness = -2.394

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D1	15	14	0.00025	0.0013	0.001197	0.0013	0.0002918	0.2439	-2.667
MW-D2	15	13	0.00025	0.0013	0.001115	0.0013	0.0003866	0.3468	-1.555
MW-D3	15	15	0.00025	0.0013	0.00123	0.0013	0.0002711	0.2204	-3.474
MW-U1 (bg)	16	15	0.00025	0.0013	0.001194	0.0013	0.0002994	0.2508	-2.526

Summary Report

Constituent: Lithium Analysis Run 7/1/2024 8:08 AM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/23/2024, a summary of the selected data set:

Observations = 73
ND/Trace = 71
Wells = 4
Minimum Value = 0.00034
Maximum Value = 0.0058
Mean Value = 0.002477
Median Value = 0.0025
Standard Deviation = 0.0008673
Coefficient of Variation = 0.3501
Skewness = 0.8568

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D1	18	17	0.0005	0.005	0.002517	0.0025	0.0007778	0.3091	0.9136
MW-D2	18	16	0.0005	0.005	0.002483	0.0025	0.0008597	0.3462	0.5454
MW-D3	18	15	0.00048	0.005	0.002454	0.0025	0.0008311	0.3386	0.7654
MW-U1 (bg)	19	17	0.00034	0.0058	0.002455	0.0025	0.001041	0.4242	1.037

Summary Report

Constituent: Mercury Analysis Run 7/1/2024 8:08 AM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/23/2024, a summary of the selected data set:

Observations = 61
ND/Trace = 61
Wells = 4
Minimum Value = 0.000077
Maximum Value = 0.0002
Mean Value = 0.000193
Median Value = 0.0002
Standard Deviation = 0.00002549
Coefficient of Variation = 0.132
Skewness = -3.576

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D1	15	14	0.000077	0.0002	0.0001918	0.0002	0.00003176	0.1656	-3.474
MW-D2	15	13	0.00011	0.0002	0.0001927	0.0002	0.00002344	0.1217	-3.225
MW-D3	15	14	0.00011	0.0002	0.000194	0.0002	0.00002324	0.1198	-3.474
MW-U1 (bg)	16	15	0.000099	0.0002	0.0001937	0.0002	0.00002525	0.1304	-3.615

Summary Report

Constituent: Molybdenum Analysis Run 7/1/2024 8:08 AM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/23/2024, a summary of the selected data set:

Observations = 81
ND/Trace = 81
Wells = 4
Minimum Value = 0.0011
Maximum Value = 0.02
Mean Value = 0.008398
Median Value = 0.01
Standard Deviation = 0.004201
Coefficient of Variation = 0.5003
Skewness = 0.1077

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D1	20	20	0.002	0.02	0.01035	0.01	0.003133	0.3027	0.7306
MW-D2	20	17	0.0012	0.02	0.009115	0.01	0.004458	0.4891	-0.04065
MW-D3	20	4	0.0017	0.01	0.00474	0.00315	0.003179	0.6707	0.8157
MW-U1 (bg)	21	20	0.0011	0.02	0.009338	0.01	0.003762	0.4028	0.007793

Summary Report

Constituent: Selenium Analysis Run 7/1/2024 8:08 AM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/23/2024, a summary of the selected data set:

Observations = 73
ND/Trace = 66
Wells = 4
Minimum Value = 0.00021
Maximum Value = 0.0028
Mean Value = 0.00117
Median Value = 0.0013
Standard Deviation = 0.000476
Coefficient of Variation = 0.407
Skewness = 0.4617

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D1	18	15	0.00025	0.0014	0.001167	0.0013	0.0003393	0.2907	-2.094
MW-D2	18	14	0.00025	0.0026	0.001204	0.0013	0.0004948	0.411	0.4786
MW-D3	18	12	0.00021	0.0028	0.001279	0.0013	0.0006516	0.5093	0.5997
MW-U1 (bg)	19	12	0.00039	0.0013	0.001035	0.0013	0.0003649	0.3525	-0.6952

Summary Report

Constituent: Thallium Analysis Run 7/1/2024 8:08 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/23/2024, a summary of the selected data set:

Observations = 77
ND/Trace = 75
Wells = 4
Minimum Value = 0.000085
Maximum Value = 0.0005
Mean Value = 0.0003714
Median Value = 0.0005
Standard Deviation = 0.0001824
Coefficient of Variation = 0.491
Skewness = -0.7153

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D1	19	19	0.0001	0.0005	0.0004789	0.0005	0.00009177	0.1916	-4.007
MW-D2	19	9	0.000085	0.0005	0.0003026	0.00026	0.0001956	0.6463	0.02693
MW-D3	19	5	0.000095	0.0005	0.0002182	0.00012	0.0001738	0.7965	1.049
MW-U1 (bg)	20	20	0.0001	0.0005	0.00048	0.0005	0.00008944	0.1863	-4.129

Outlier Analysis

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10 Printed 7/1/2024, 8:22 AM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Antimony (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	15	0.002367	0.0005164	unknown	ShapiroWilk
Antimony (mg/L)	MW-D2	n/a	n/a	n/a	NP	NaN	15	0.002367	0.0005164	unknown	ShapiroWilk
Antimony (mg/L)	MW-D3	n/a	n/a	n/a	NP	NaN	15	0.002367	0.0005164	unknown	ShapiroWilk
Antimony (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	16	0.002375	0.0005	unknown	ShapiroWilk
Arsenic (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	21	0.001307	0.0003565	unknown	ShapiroWilk
Arsenic (mg/L)	MW-D2	n/a	n/a	n/a	NP	NaN	21	0.00123	0.0004131	unknown	ShapiroWilk
Arsenic (mg/L)	MW-D3	No	n/a	n/a	NP	NaN	21	0.001076	0.0004684	ln(x)	ShapiroWilk
Arsenic (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	22	0.001291	0.0004269	unknown	ShapiroWilk
Barium (mg/L)	MW-D1	No	n/a	n/a	NP	NaN	22	0.01479	0.00463	ln(x)	ShapiroWilk
Barium (mg/L)	MW-D2	No	n/a	n/a	NP	NaN	22	0.143	0.02411	normal	ShapiroWilk
Barium (mg/L)	MW-D3	No	n/a	n/a	NP	NaN	22	0.1321	0.06422	x^(1/3)	ShapiroWilk
Barium (mg/L)	**MW-U1 (bg)**	**Yes**	**0.0062**	**11/19/2020**	**NP**	**NaN**	**23**	**0.002552**	**0.0009486**	**ln(x)**	**ShapiroWilk**
Beryllium (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	15	0.001927	0.0004415	unknown	ShapiroWilk
Beryllium (mg/L)	MW-D2	n/a	n/a	n/a	NP	NaN	15	0.001927	0.0004415	unknown	ShapiroWilk
Beryllium (mg/L)	MW-D3	n/a	n/a	n/a	NP	NaN	15	0.001927	0.0004415	unknown	ShapiroWilk
Beryllium (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	16	0.001931	0.000427	unknown	ShapiroWilk
Cadmium (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	16	0.001044	0.0004366	unknown	ShapiroWilk
Cadmium (mg/L)	MW-D2	n/a	n/a	n/a	NP	NaN	16	0.001036	0.0004535	unknown	ShapiroWilk
Cadmium (mg/L)	MW-D3	n/a	n/a	n/a	NP	NaN	16	0.001036	0.0004541	unknown	ShapiroWilk
Cadmium (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	17	0.001041	0.0004229	unknown	ShapiroWilk
Chromium (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	20	0.002485	0.0008126	unknown	ShapiroWilk
Chromium (mg/L)	MW-D2	n/a	n/a	n/a	NP	NaN	20	0.002405	0.000616	unknown	ShapiroWilk
Chromium (mg/L)	MW-D3	n/a	n/a	n/a	NP	NaN	20	0.00248	0.0005425	unknown	ShapiroWilk
Chromium (mg/L)	MW-U1 (bg)	No	n/a	n/a	NP	NaN	21	0.001905	0.001131	ln(x)	ShapiroWilk
Cobalt (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	20	0.002355	0.0004807	unknown	ShapiroWilk
Cobalt (mg/L)	MW-D2	n/a	n/a	n/a	NP	NaN	20	0.002323	0.00055	unknown	ShapiroWilk
Cobalt (mg/L)	MW-D3	No	n/a	n/a	NP	NaN	20	0.00149	0.0006749	x^(1/3)	ShapiroWilk
Cobalt (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	21	0.002252	0.0006385	unknown	ShapiroWilk
Combined Radium 226 + 228 (pCi/L)	MW-D1	No	n/a	n/a	NP	NaN	22	0.5008	0.3186	x^(1/3)	ShapiroWilk
Combined Radium 226 + 228 (pCi/L)	MW-D2	No	n/a	n/a	NP	NaN	22	0.5411	0.299	sqrt(x)	ShapiroWilk
Combined Radium 226 + 228 (pCi/L)	**MW-D3**	**Yes**	**0.0501**	**11/29/2018**	**NP**	**NaN**	**22**	**0.5639**	**0.2792**	**sqrt(x)**	**ShapiroWilk**
Combined Radium 226 + 228 (pCi/L)	MW-U1 (bg)	No	n/a	n/a	NP	NaN	22	0.3799	0.3989	x^(1/3)	ShapiroWilk
Fluoride (mg/L)	MW-D1	No	n/a	n/a	NP	NaN	22	0.08023	0.0308	ln(x)	ShapiroWilk
Fluoride (mg/L)	MW-D2	No	n/a	n/a	NP	NaN	22	0.06127	0.01655	ln(x)	ShapiroWilk
Fluoride (mg/L)	**MW-D3**	**Yes**	**0.06**	**7/17/2017**	**NP**	**NaN**	**22**	**0.1245**	**0.03218**	**ln(x)**	**ShapiroWilk**
Fluoride (mg/L)	MW-U1 (bg)	No	n/a	n/a	NP	NaN	23	0.0627	0.01991	ln(x)	ShapiroWilk
Lead (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	15	0.001197	0.0002918	unknown	ShapiroWilk
Lead (mg/L)	MW-D2	n/a	n/a	n/a	NP	NaN	15	0.001115	0.0003866	unknown	ShapiroWilk
Lead (mg/L)	MW-D3	n/a	n/a	n/a	NP	NaN	15	0.00123	0.0002711	unknown	ShapiroWilk
Lead (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	16	0.001194	0.0002994	unknown	ShapiroWilk
Lithium (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	18	0.002517	0.0007778	unknown	ShapiroWilk
Lithium (mg/L)	MW-D2	n/a	n/a	n/a	NP	NaN	18	0.002483	0.0008597	unknown	ShapiroWilk
Lithium (mg/L)	MW-D3	n/a	n/a	n/a	NP	NaN	18	0.002454	0.0008311	unknown	ShapiroWilk
Lithium (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	19	0.002455	0.001041	unknown	ShapiroWilk
Mercury (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	15	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-D2	n/a	n/a	n/a	NP	NaN	15	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-D3	n/a	n/a	n/a	NP	NaN	15	0.000194	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	16	0.000...	0.0000...	unknown	ShapiroWilk
Molybdenum (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	20	0.01035	0.003133	unknown	ShapiroWilk
Molybdenum (mg/L)	MW-D2	n/a	n/a	n/a	NP	NaN	20	0.009115	0.004458	unknown	ShapiroWilk

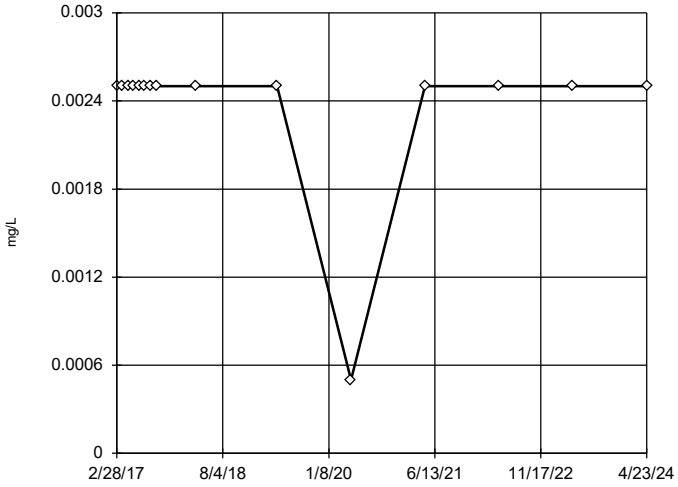
Outlier Analysis

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10 Printed 7/1/2024, 8:22 AM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Molybdenum (mg/L)	MW-D3	No	n/a	n/a	NP	NaN	20	0.00474	0.003179	ln(x)	ShapiroWilk
Molybdenum (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	21	0.009338	0.003762	unknown	ShapiroWilk
Selenium (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	18	0.001167	0.0003393	unknown	ShapiroWilk
Selenium (mg/L)	**MW-D2**	**Yes**	**0.00059,0...**	**6/19/2017...**	**NP**	**NaN**	**18**	**0.001204**	**0.0004948**	**sqrt(x)**	**ShapiroWilk**
Selenium (mg/L)	**MW-D3**	**Yes**	**0.0028,0....**	**2/28/2017...**	**NP**	**NaN**	**18**	**0.001279**	**0.0006516**	**sqrt(x)**	**ShapiroWilk**
Selenium (mg/L)	MW-U1 (bg)	No	n/a	n/a	NP	NaN	19	0.001035	0.0003649	ln(x)	ShapiroWilk
Thallium (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	19	0.000...	0.0000...	unknown	ShapiroWilk
Thallium (mg/L)	MW-D2	No	n/a	n/a	NP	NaN	19	0.000...	0.0001956	ln(x)	ShapiroWilk
Thallium (mg/L)	MW-D3	No	n/a	n/a	NP	NaN	19	0.000...	0.0001738	ln(x)	ShapiroWilk
Thallium (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	20	0.00048	0.0000...	unknown	ShapiroWilk

Tukey's Outlier Screening

MW-D1



n = 15

No outliers found. Tukey's method selected by user.

Data were x^5 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 7/1/2024 8:20 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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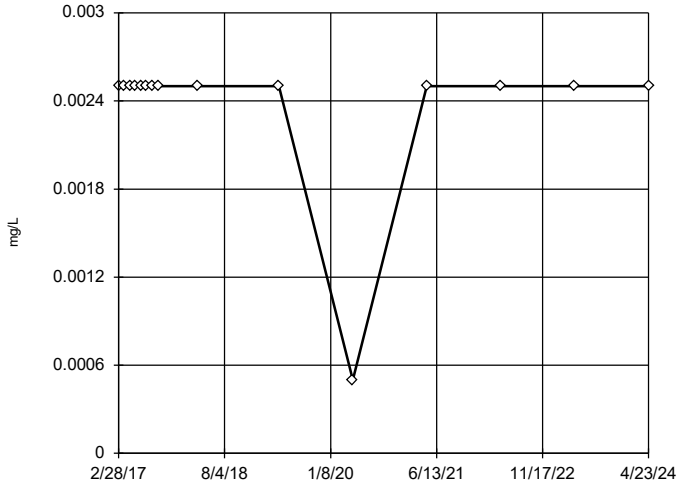
Tukey's Outlier Screening

MW-D2



n = 15

No outliers found. Tukey's method selected by user.

Data were x^5 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 7/1/2024 8:20 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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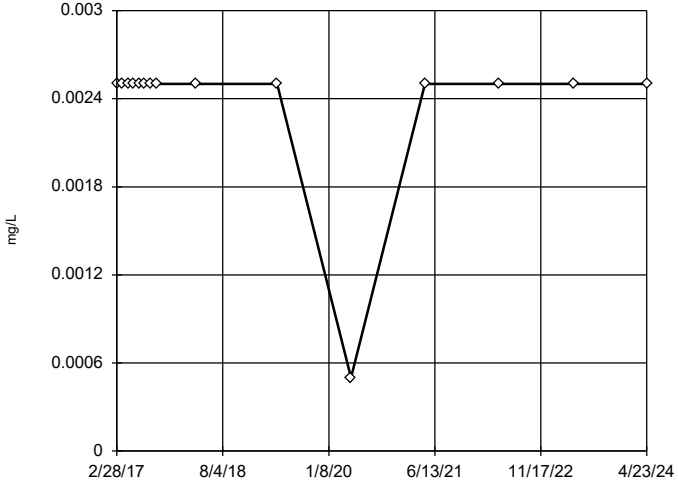
Tukey's Outlier Screening

MW-D3



n = 15

No outliers found. Tukey's method selected by user.

Data were x^5 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 7/1/2024 8:20 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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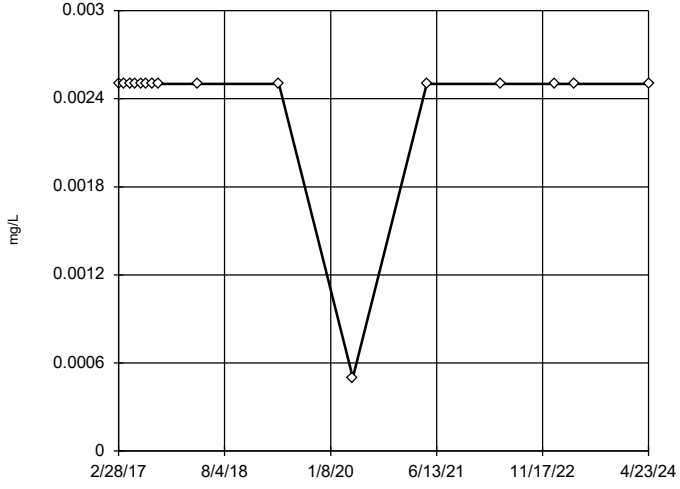
Tukey's Outlier Screening

MW-U1 (bg)



n = 16

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

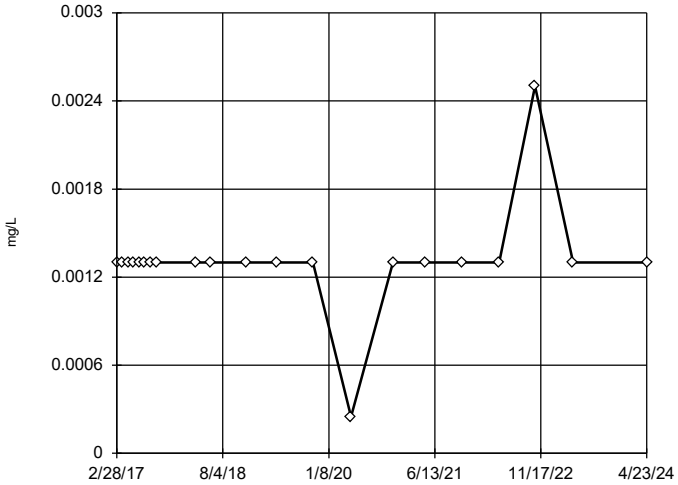
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 7/1/2024 8:20 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D1



n = 21

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 7/1/2024 8:20 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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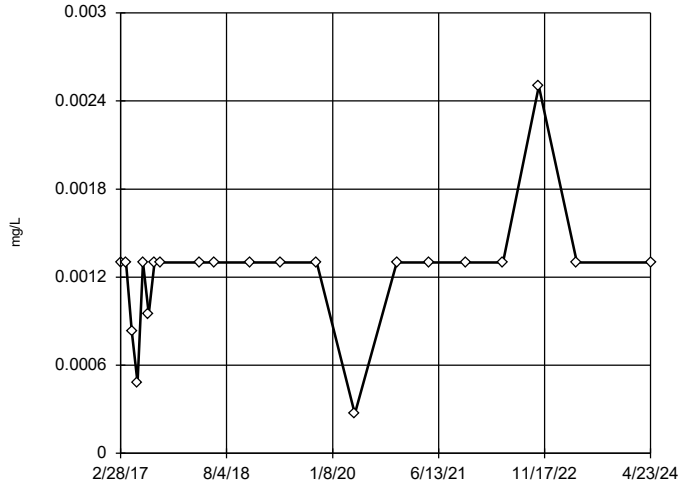
Tukey's Outlier Screening

MW-D2



n = 21

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 7/1/2024 8:20 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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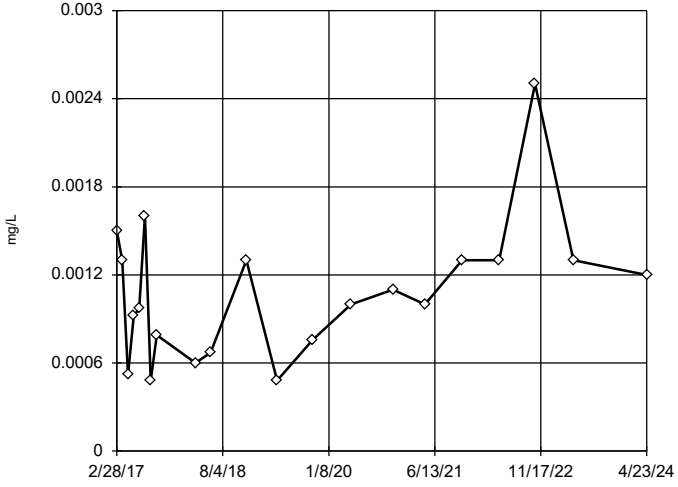
Tukey's Outlier Screening

MW-D3



n = 21

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.00786, low cutoff = 0.000118, based on IQR multiplier of 3.

Constituent: Arsenic Analysis Run 7/1/2024 8:20 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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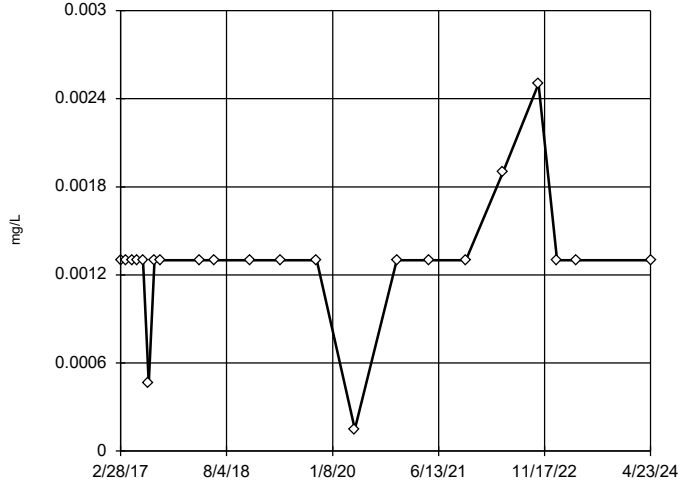
Tukey's Outlier Screening

MW-U1 (bg)



n = 22

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

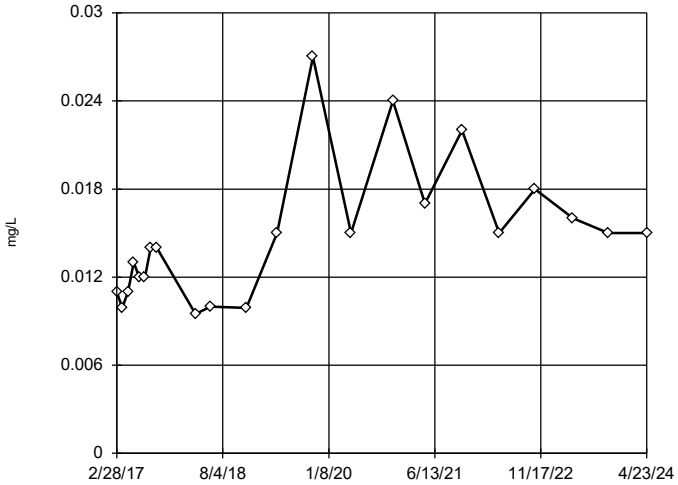
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 7/1/2024 8:20 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D1



n = 22

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.05559, low cutoff = 0.003264, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 7/1/2024 8:20 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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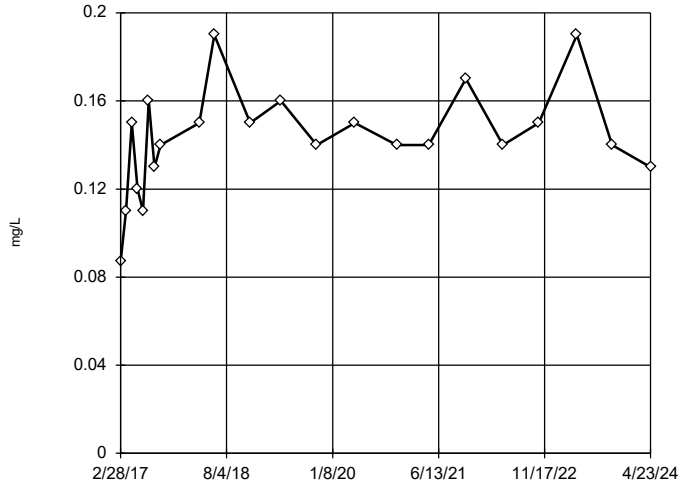
Tukey's Outlier Screening

MW-D2



n = 22

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 0.23, low cutoff = 0.055, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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Tukey's Outlier Screening

MW-D3

n = 22

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 1.331, low cutoff = -0.001063, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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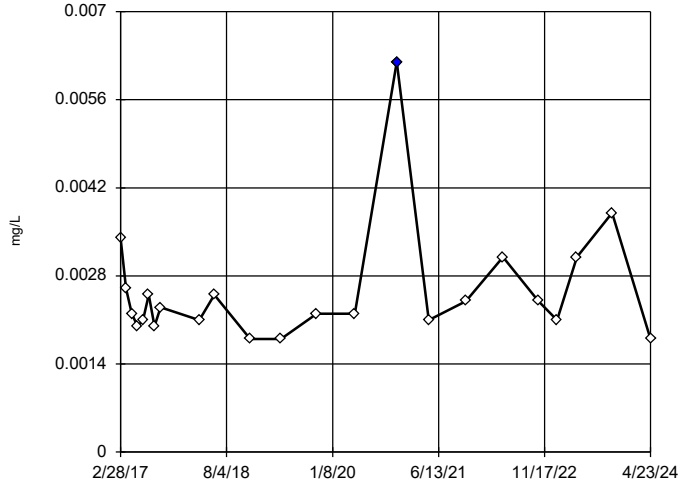
Tukey's Outlier Screening

MW-U1 (bg)



n = 23

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

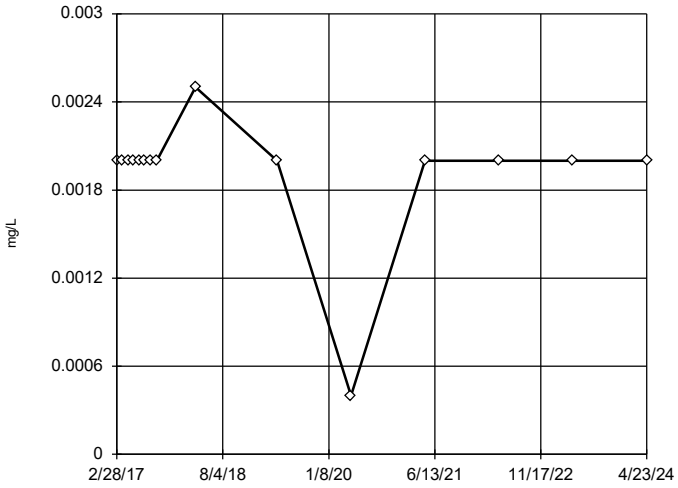
High cutoff = 0.004934, low cutoff = 0.001107, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D1



n = 15

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

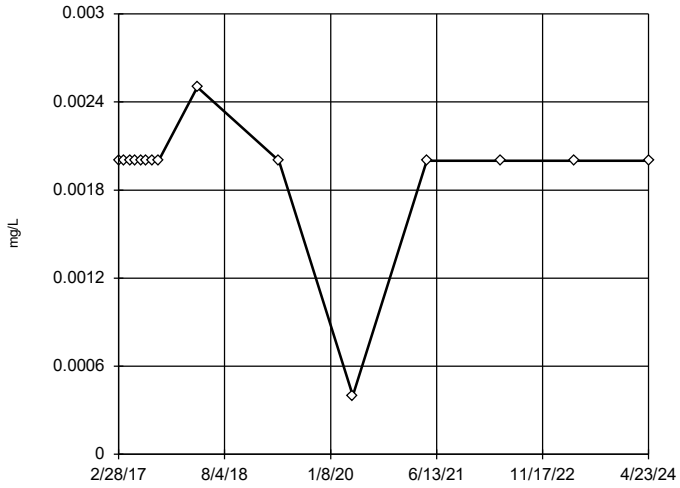
Constituent: Beryllium Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D2



n = 15

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

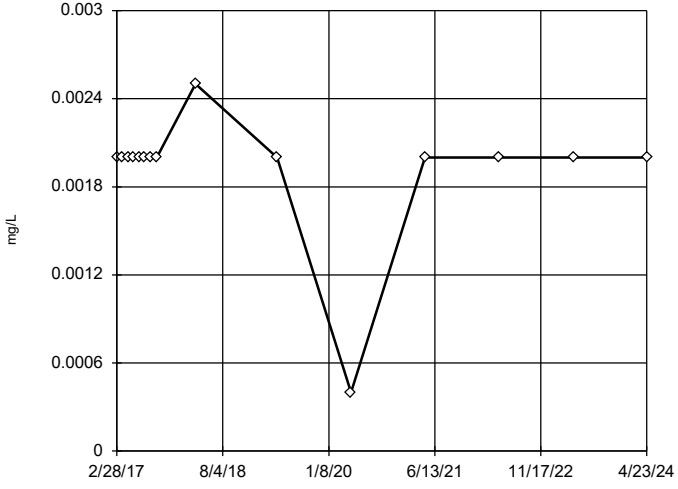
Constituent: Beryllium Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D3



n = 15

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

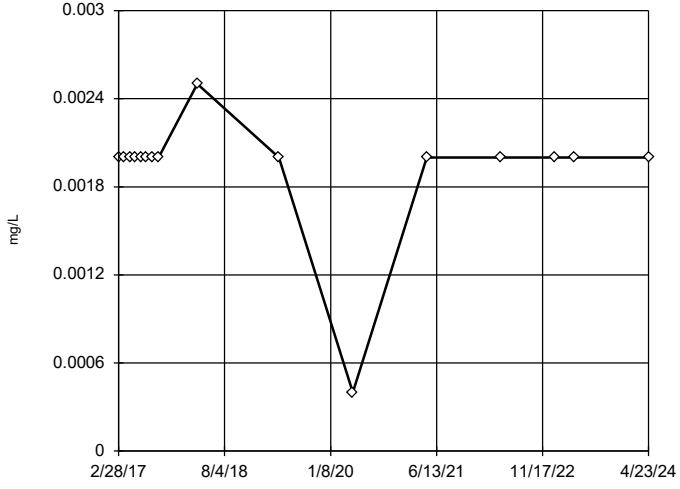
Constituent: Beryllium Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-U1 (bg)



n = 16

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

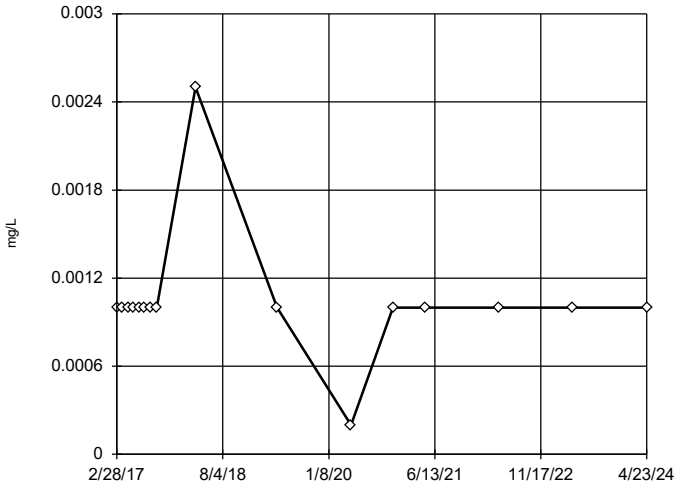
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D1



n = 16

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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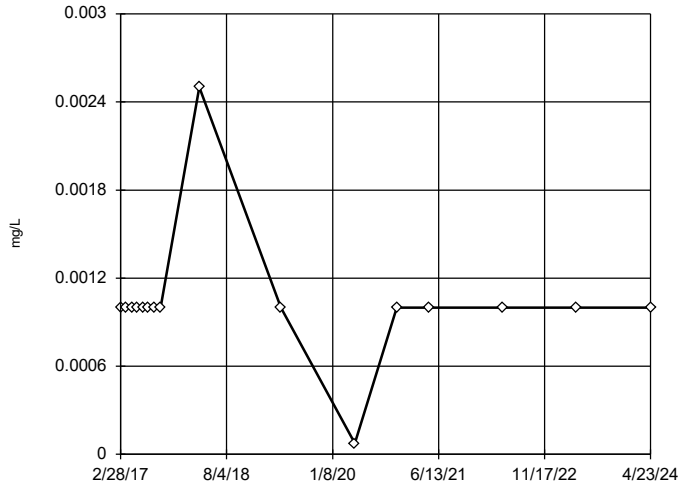
Tukey's Outlier Screening

MW-D2



n = 16

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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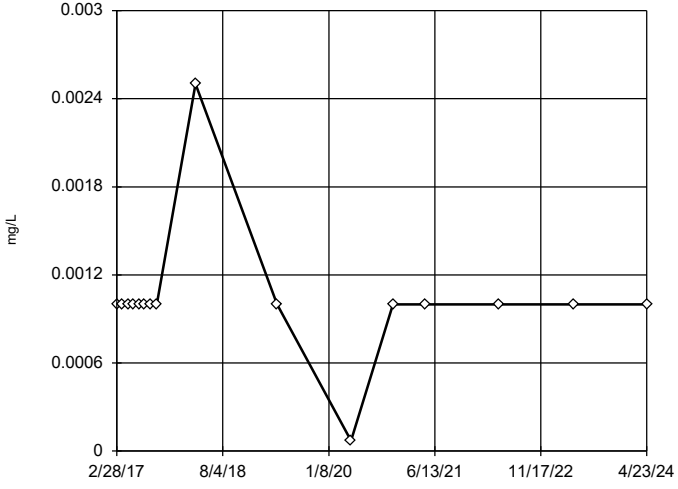
Tukey's Outlier Screening

MW-D3



n = 16

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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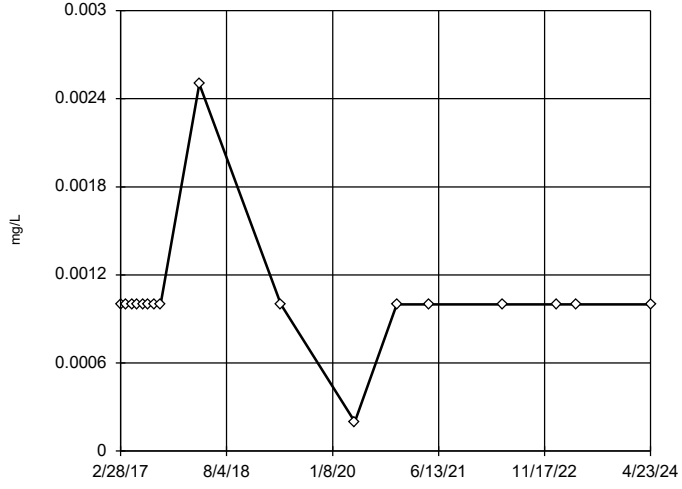
Tukey's Outlier Screening

MW-U1 (bg)



n = 17

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

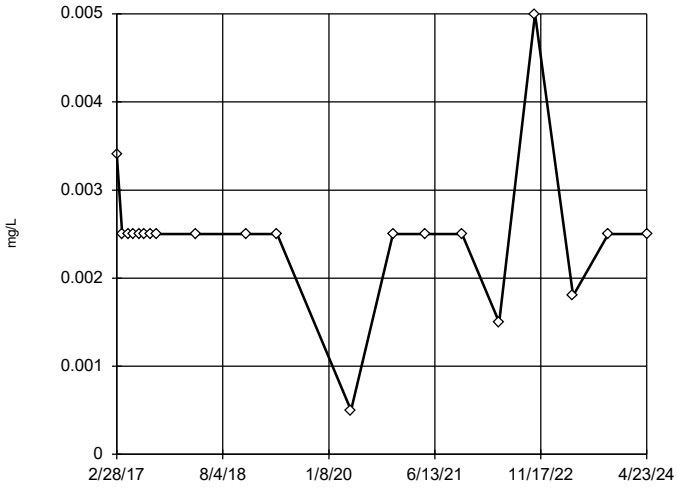
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D1



n = 20

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Chromium Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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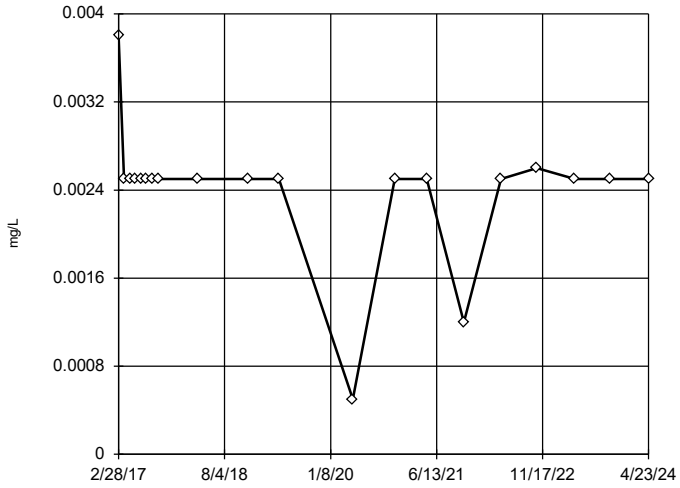
Tukey's Outlier Screening

MW-D2



n = 20

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

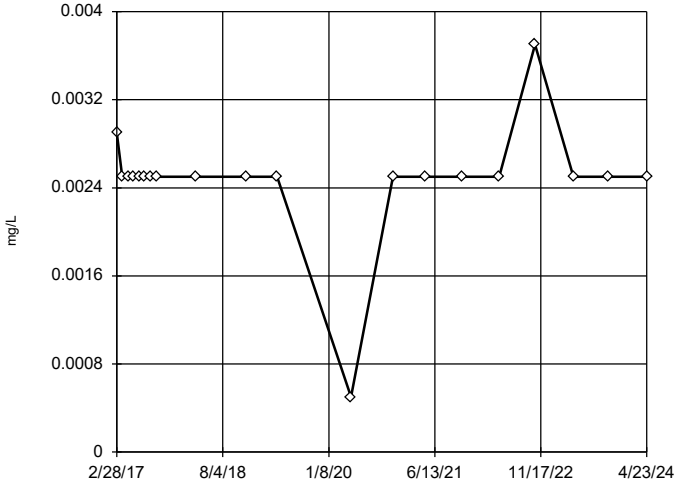
Constituent: Chromium Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D3



n = 20

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Chromium Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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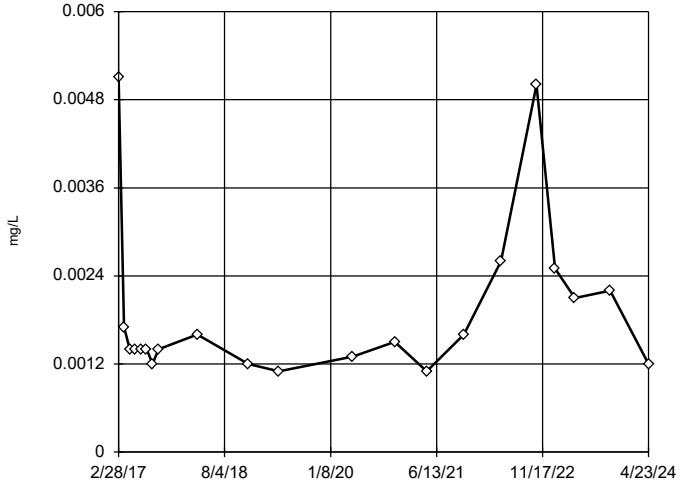
Tukey's Outlier Screening

MW-U1 (bg)



n = 21

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

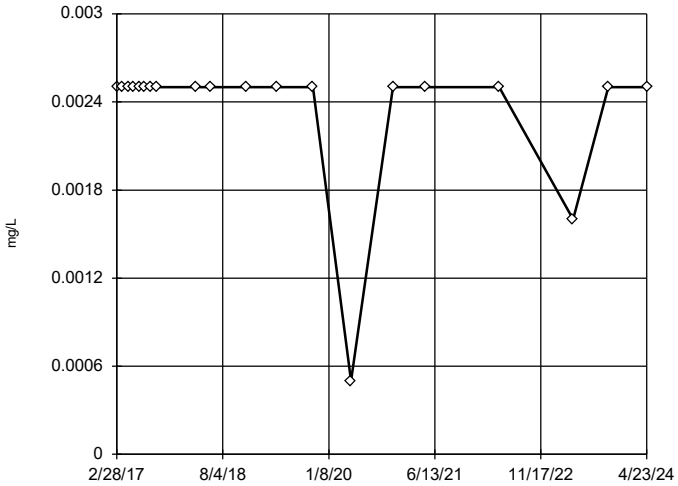
High cutoff = 0.01095, low cutoff = 0.0002451, based on IQR multiplier of 3.

Constituent: Chromium Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D1



n = 20

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cobalt Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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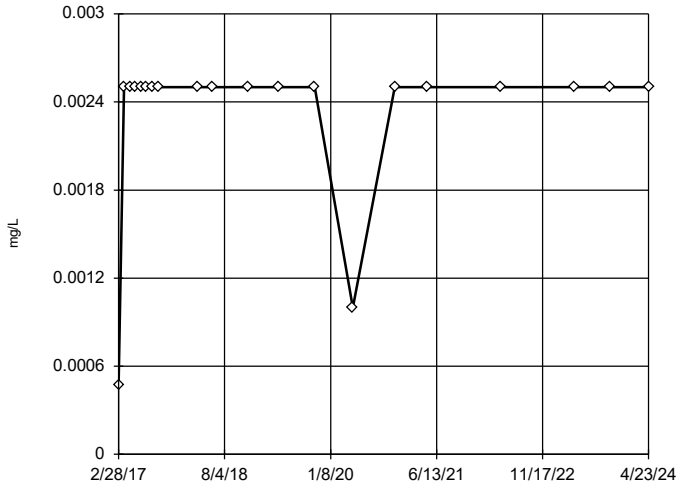
Tukey's Outlier Screening

MW-D2



n = 20

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cobalt Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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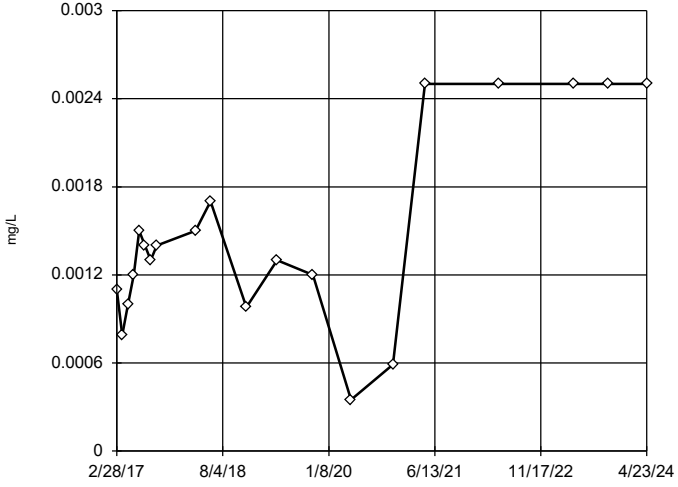
Tukey's Outlier Screening

MW-D3



n = 20

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.008653, low cutoff = 0.00001357, based on IQR multiplier of 3.

Constituent: Cobalt Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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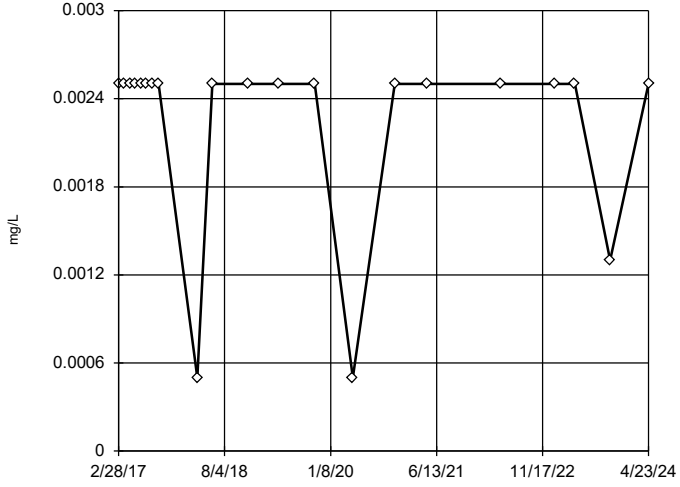
Tukey's Outlier Screening

MW-U1 (bg)



n = 21

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

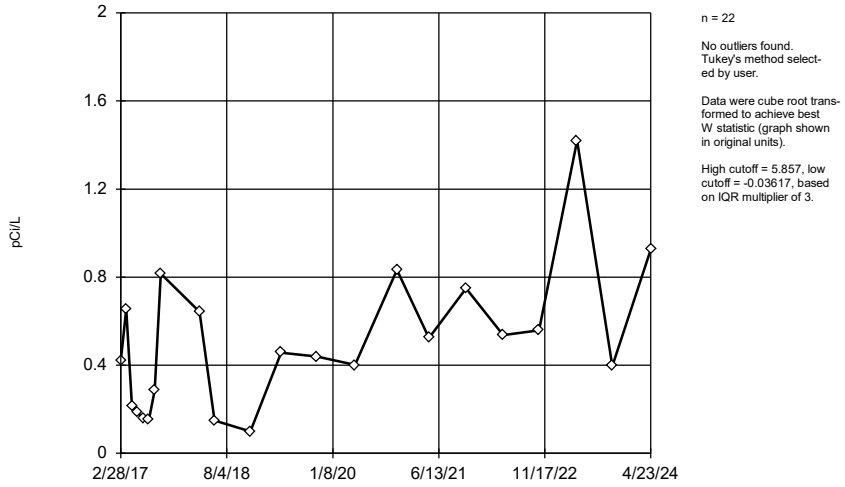
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cobalt Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D1



n = 22

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 5.857, low cutoff = -0.03617, based on IQR multiplier of 3.

Constituent: Combined Radium 226 + 228 Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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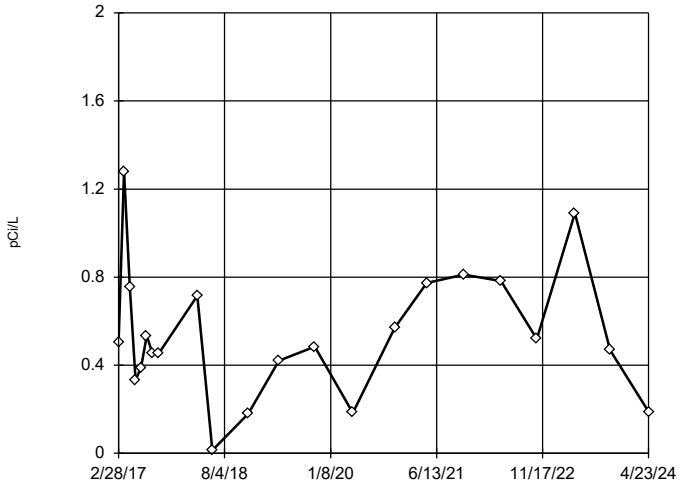
Tukey's Outlier Screening

MW-D2



n = 22

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 2.881, low cutoff = -0.04978, based on IQR multiplier of 3.

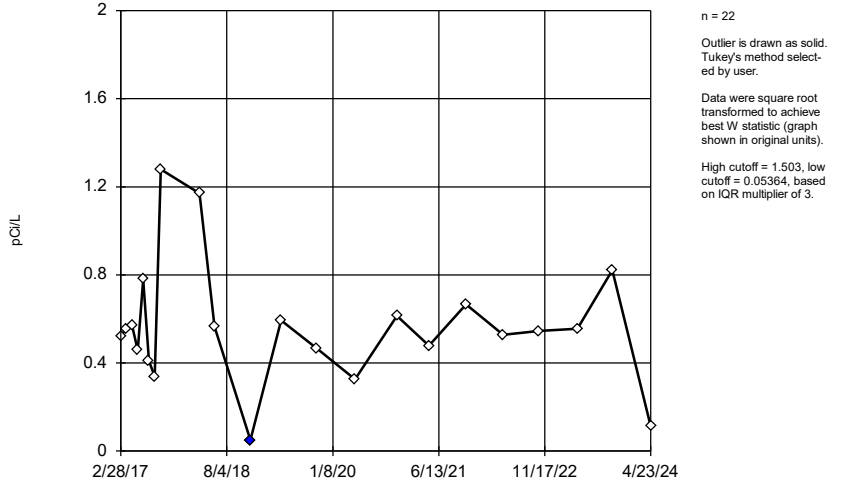
Constituent: Combined Radium 226 + 228 Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D3



n = 22

Outlier is drawn as solid. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 1.503, low cutoff = 0.05364, based on IQR multiplier of 3.

Constituent: Combined Radium 226 + 228 Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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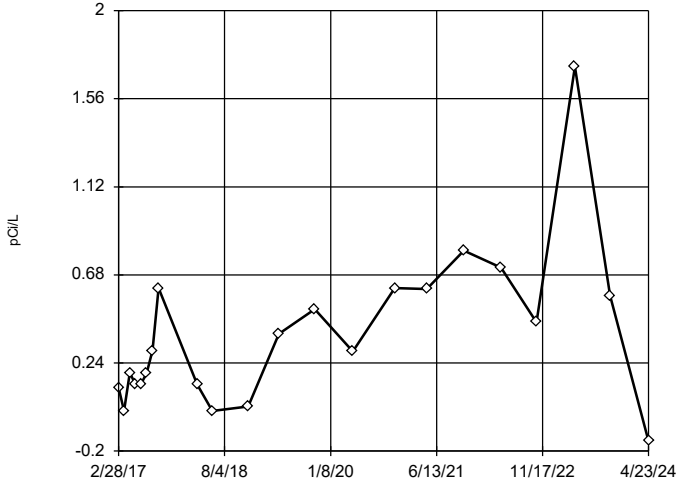
Tukey's Outlier Screening

MW-U1 (bg)



n = 22

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

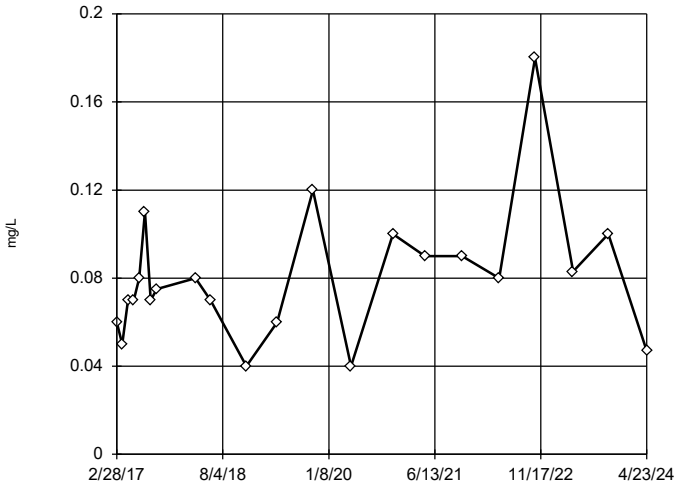
High cutoff = 6.856, low cutoff = -0.1686, based on IQR multiplier of 3.

Constituent: Combined Radium 226 + 228 Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D1



n = 22

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.375, low cutoff = 0.01518, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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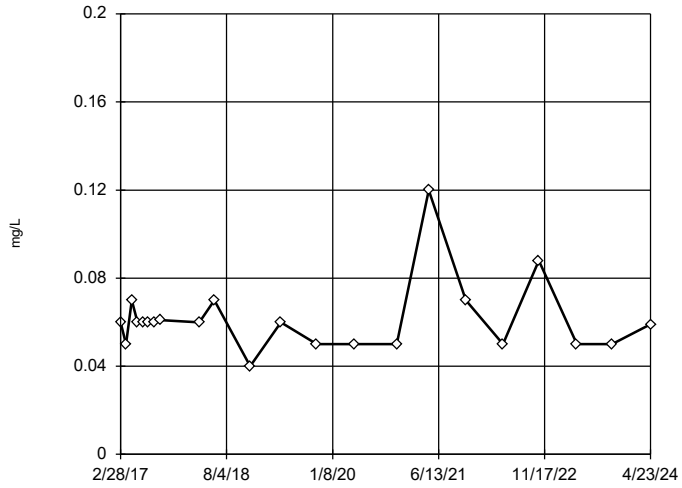
Tukey's Outlier Screening

MW-D2



n = 22

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.1459, low cutoff = 0.0224, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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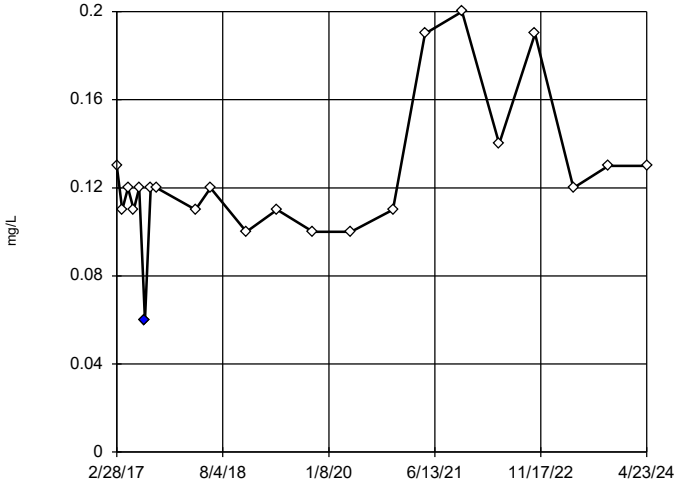
Tukey's Outlier Screening

MW-D3



n = 22

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.2146, low cutoff = 0.06664, based on IQR multiplier of 3.

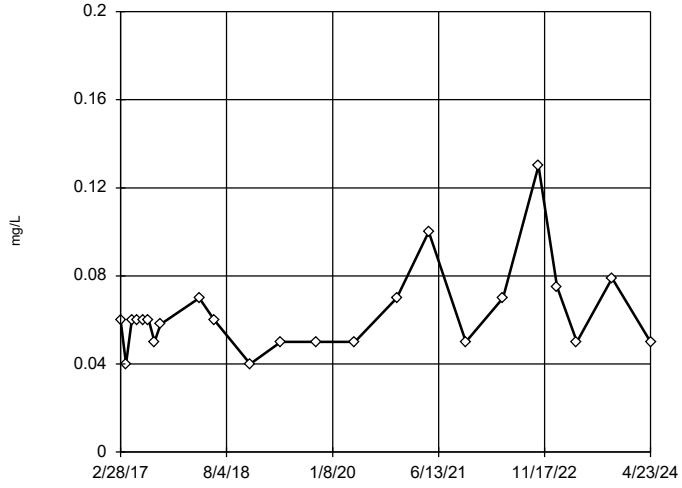
Constituent: Fluoride Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-U1 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

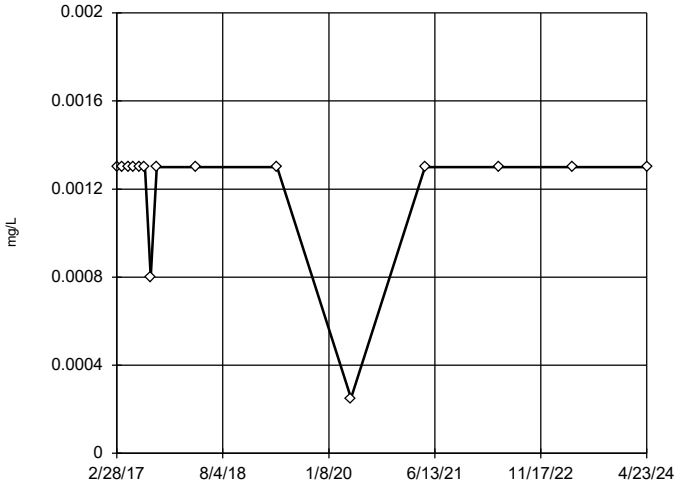
High cutoff = 0.1921, low cutoff = 0.01822, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D1



n = 15

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

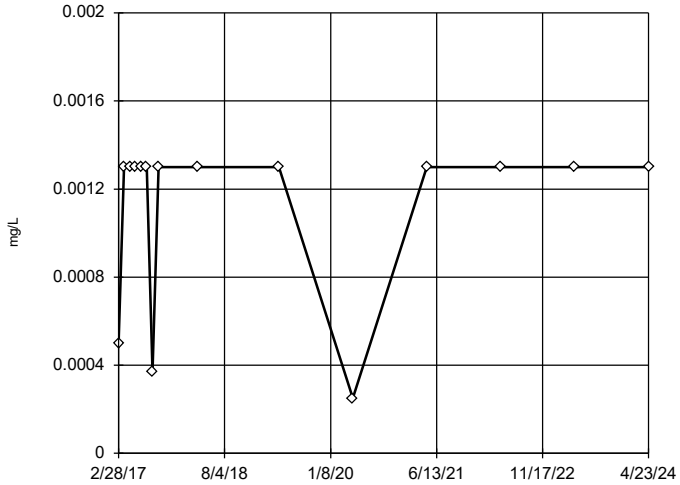
Constituent: Lead Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D2



n = 15

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

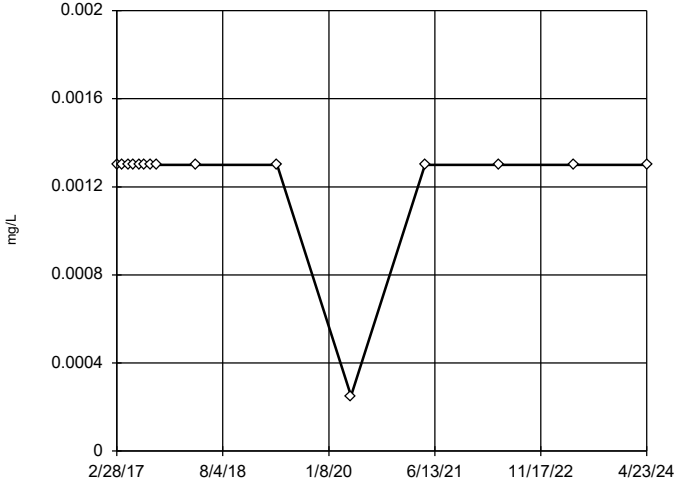
Constituent: Lead Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D3



n = 15

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

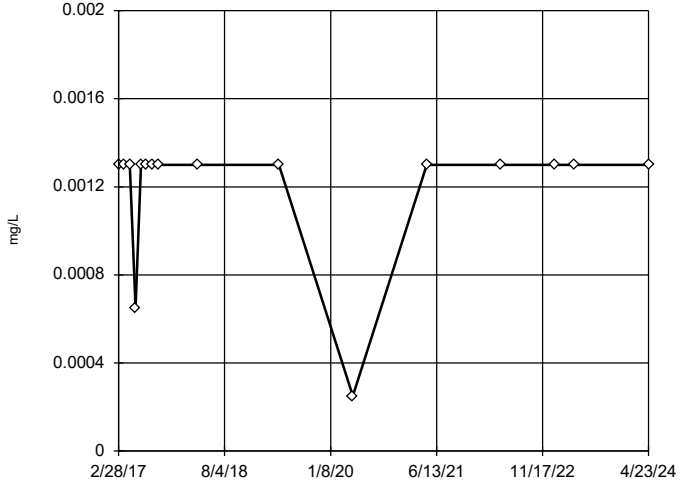
Constituent: Lead Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-U1 (bg)



n = 16

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

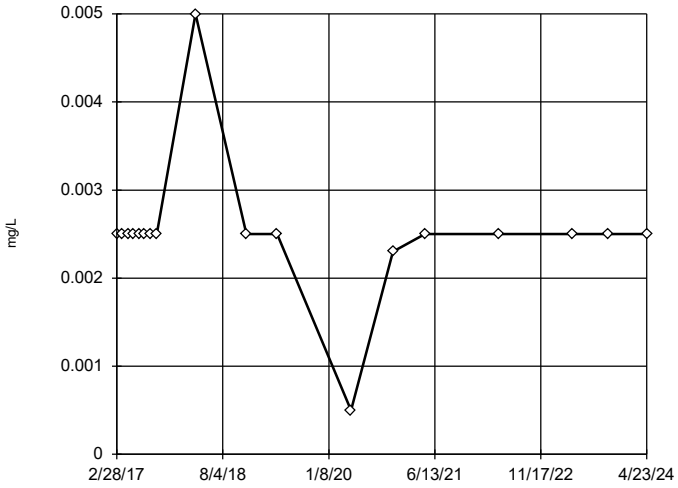
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lead Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D1



n = 18

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

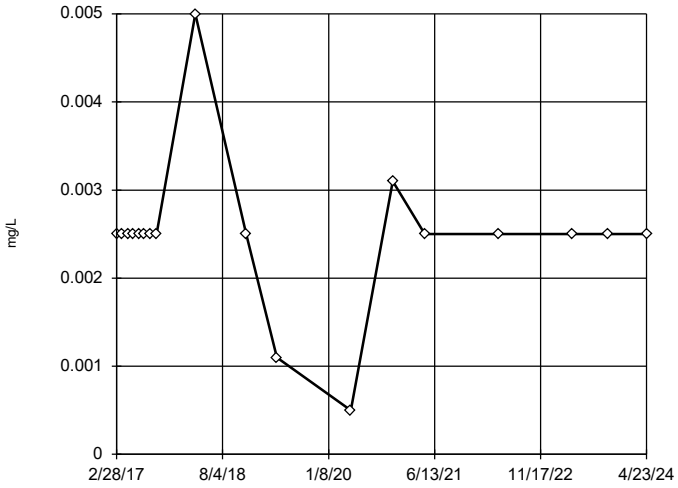
Constituent: Lithium Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D2



n = 18

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

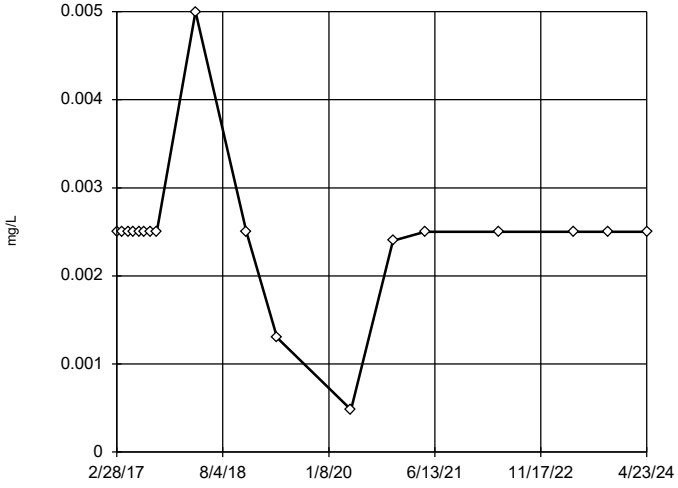
Constituent: Lithium Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D3



n = 18

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

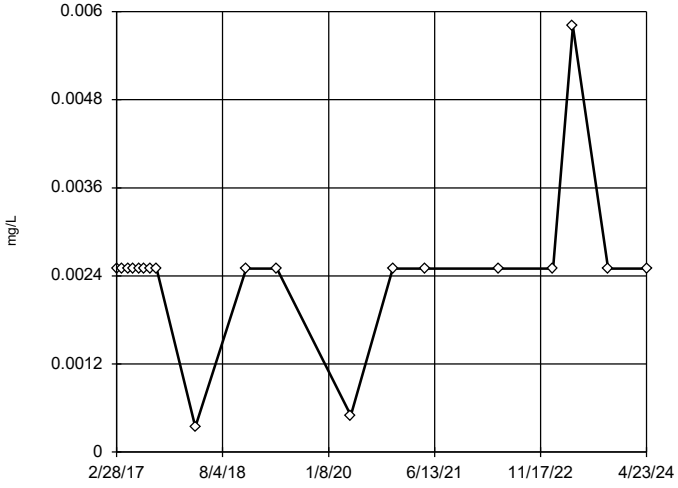
Constituent: Lithium Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-U1 (bg)



n = 19

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

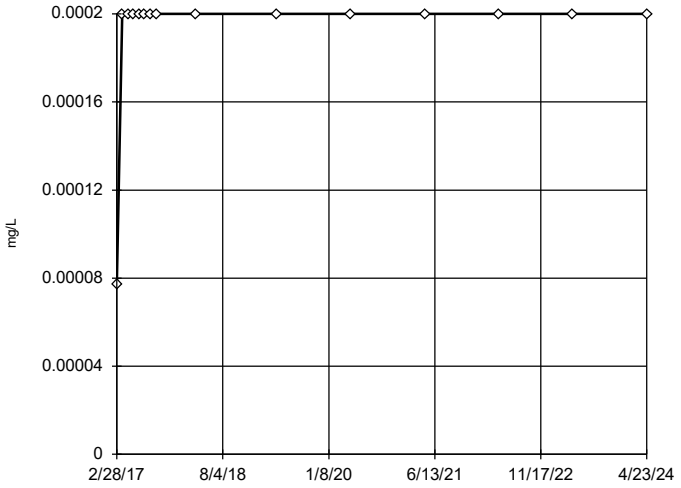
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lithium Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D1



n = 15

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

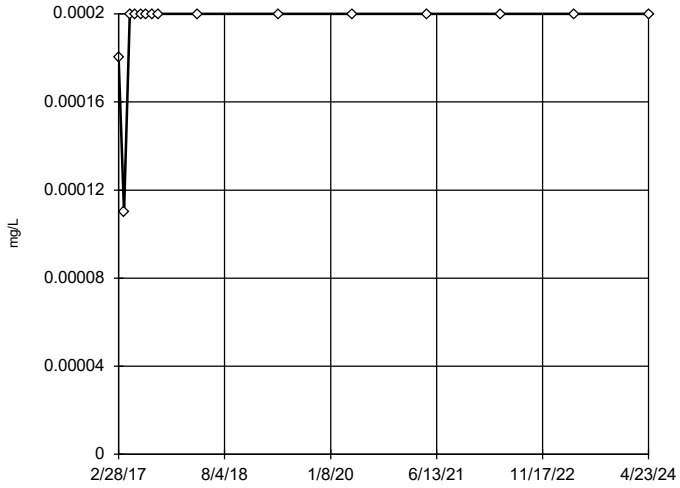
Constituent: Mercury Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D2



n = 15

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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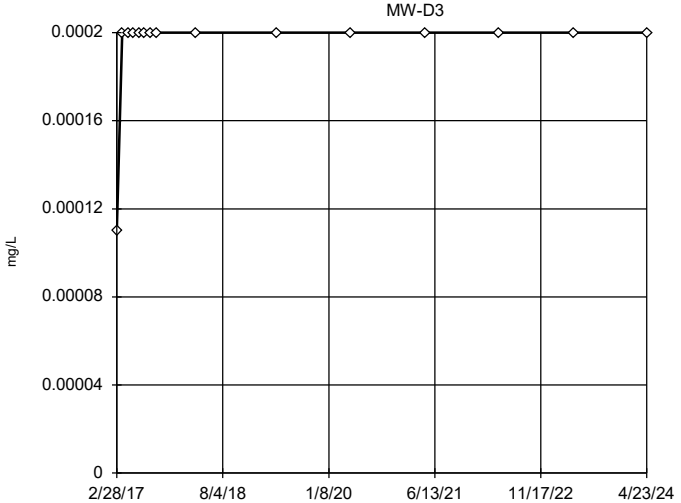
Tukey's Outlier Screening

MW-D3



n = 15

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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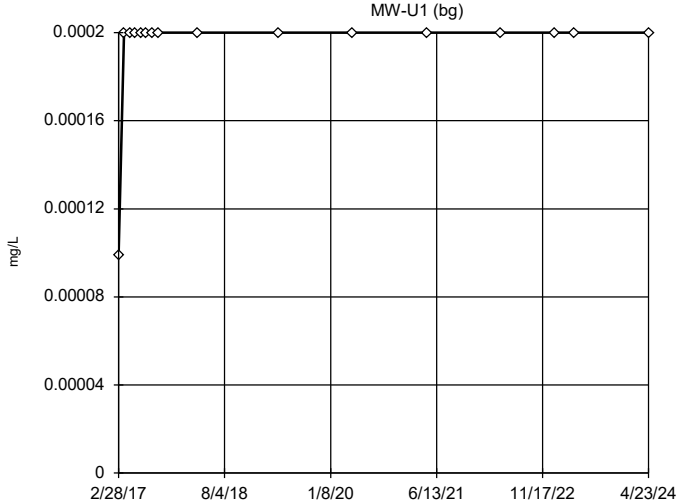
Tukey's Outlier Screening

MW-U1 (bg)



n = 16

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

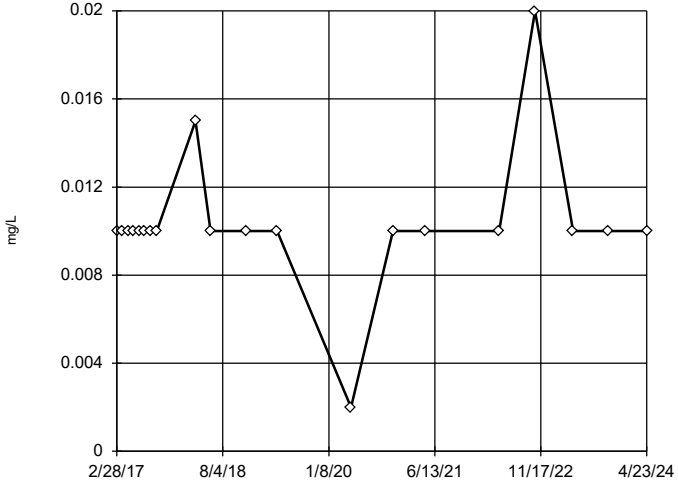
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D1



n = 20

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

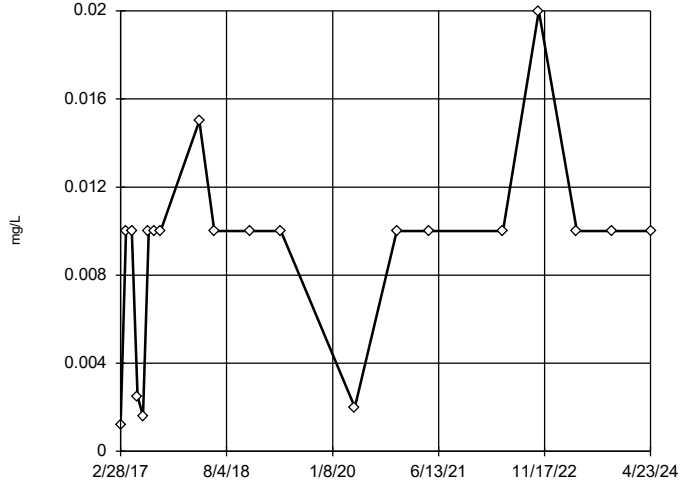
Constituent: Molybdenum Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D2



n = 20

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

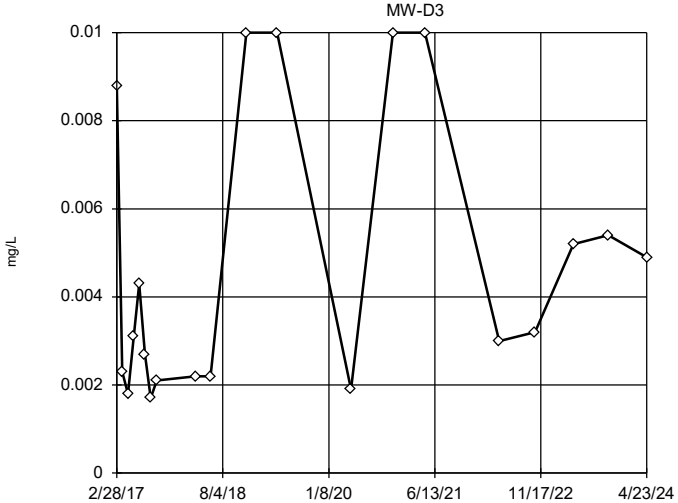
Constituent: Molybdenum Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D3



n = 20

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.2121, low cutoff = 0.00007151, based on IQR multiplier of 3.

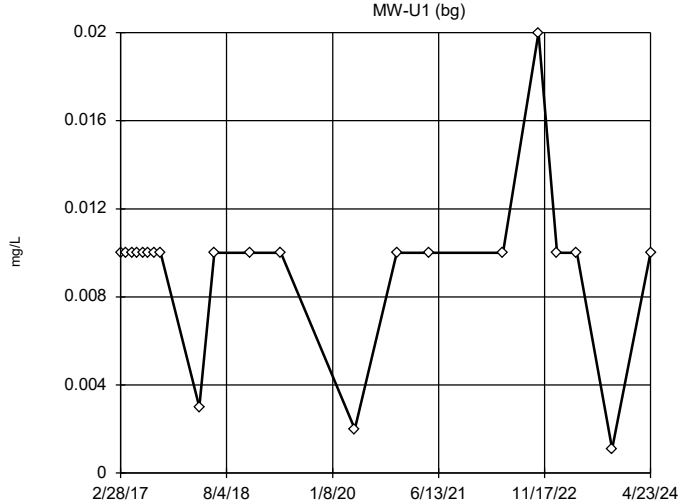
Constituent: Molybdenum Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-U1 (bg)



n = 21

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

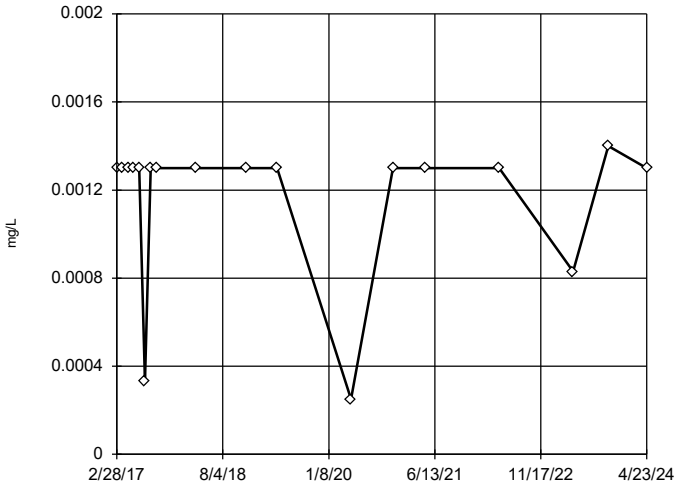
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Molybdenum Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D1



n = 18

No outliers found.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

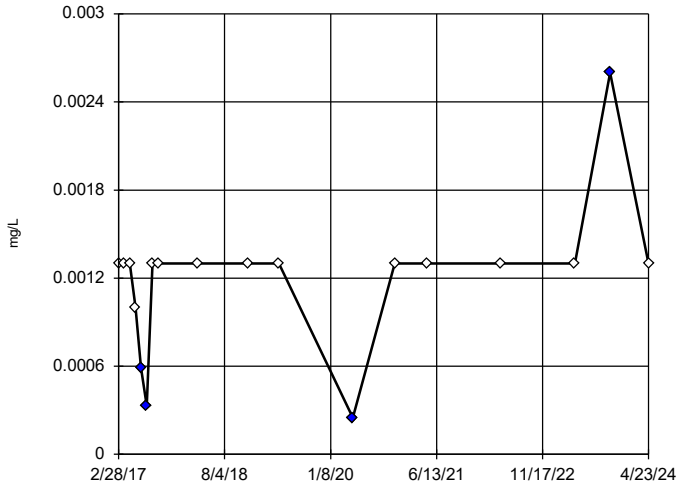
Constituent: Selenium Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D2



n = 18

Outliers are drawn as solid.
Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.001824, low cutoff = 0.0007393, based on IQR multiplier of 3.

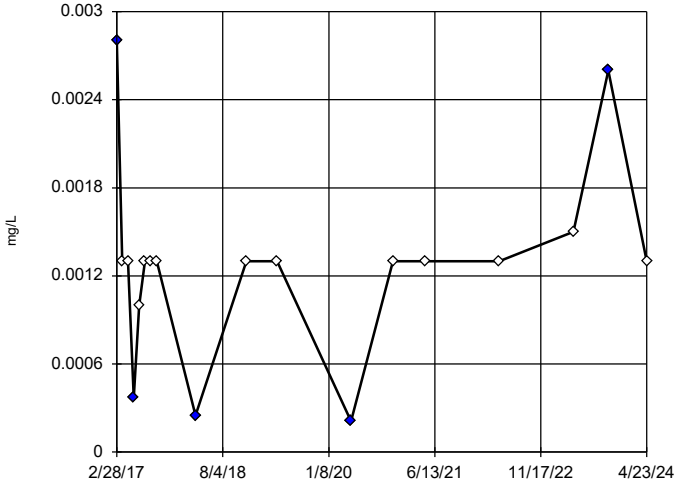
Constituent: Selenium Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D3



n = 18

Outliers are drawn as solid.
Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.001824, low cutoff = 0.0007393, based on IQR multiplier of 3.

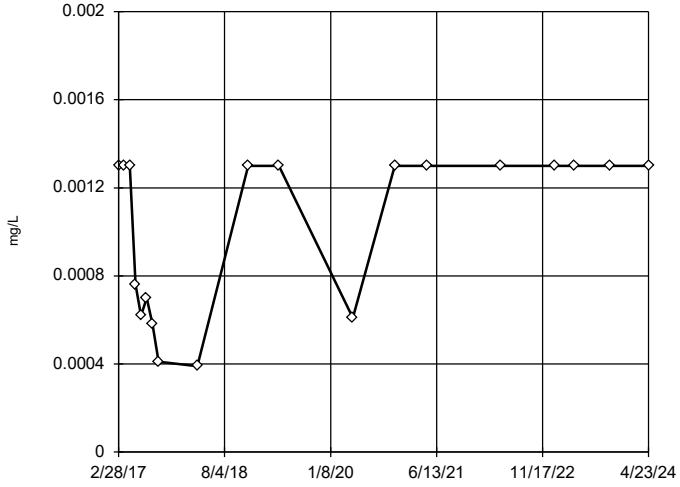
Constituent: Selenium Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-U1 (bg)



n = 19

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

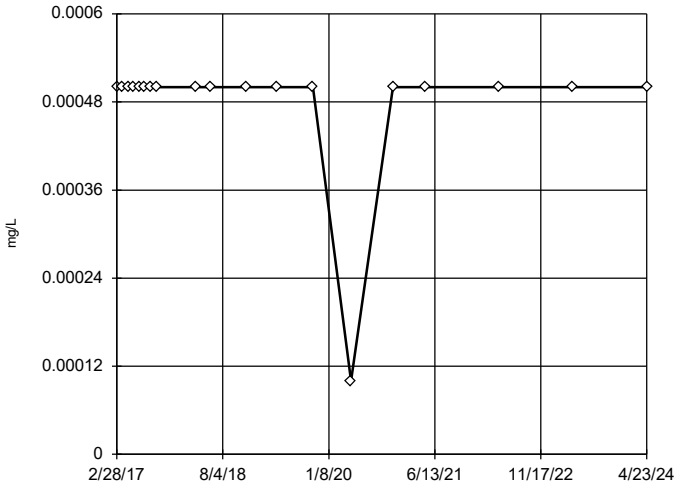
High cutoff = 0.01198, low cutoff = 0.00006726, based on IQR multiplier of 3.

Constituent: Selenium Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D1



n = 19

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

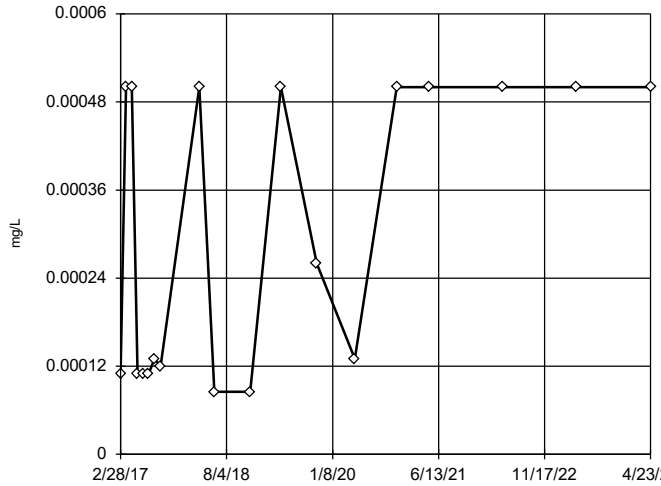
Constituent: Thallium Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D2



n = 19

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.04696, low cutoff = 0.000001171, based on IQR multiplier of 3.

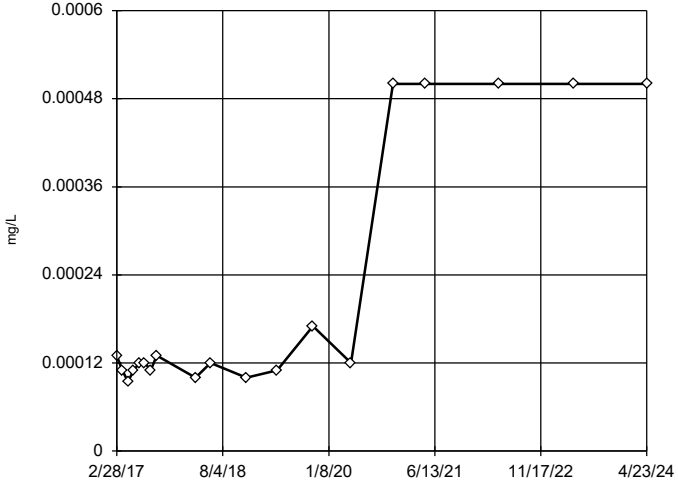
Constituent: Thallium Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D3



n = 19

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.04696, low cutoff = 0.000001171, based on IQR multiplier of 3.

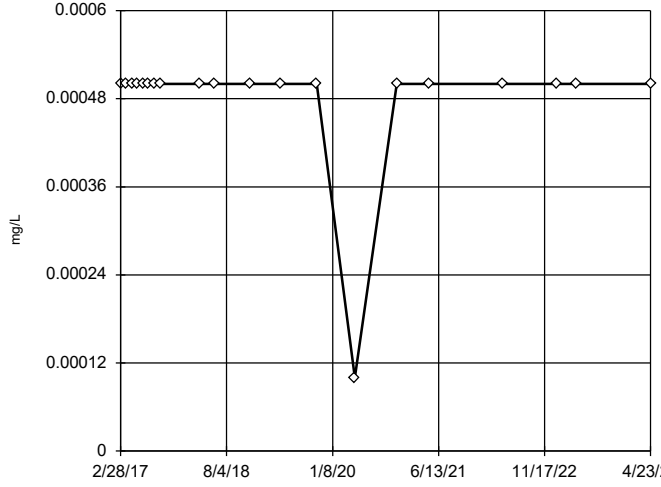
Constituent: Thallium Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-U1 (bg)



n = 20

No outliers found. Tukey's method selected by user.

Data were x^5 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

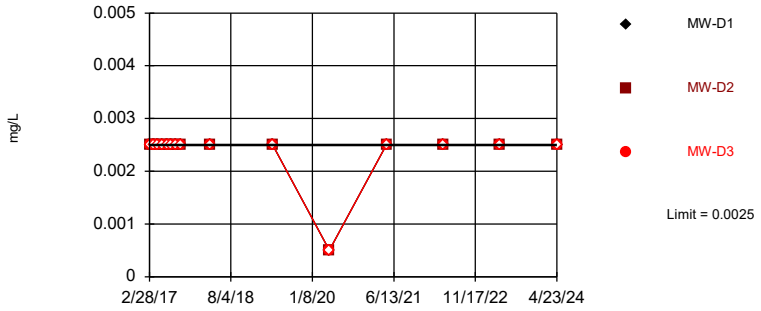
Constituent: Thallium Analysis Run 7/1/2024 8:21 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.
Within Limit

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. All background values were censored; limit is most recent reporting limit. 74.8% coverage at alpha=0.01; 83.01% coverage at alpha=0.05; 95.9% coverage at alpha=0.5. Report alpha = 0.4401.

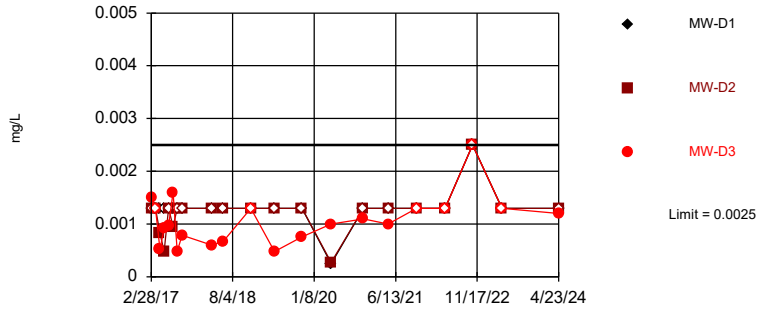
Constituent: Antimony Analysis Run 7/1/2024 8:22 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.
Within Limit

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. Limit is highest of 22 background values. 81.82% NDs. 81.05% coverage at alpha=0.01; 87.3% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.3235.

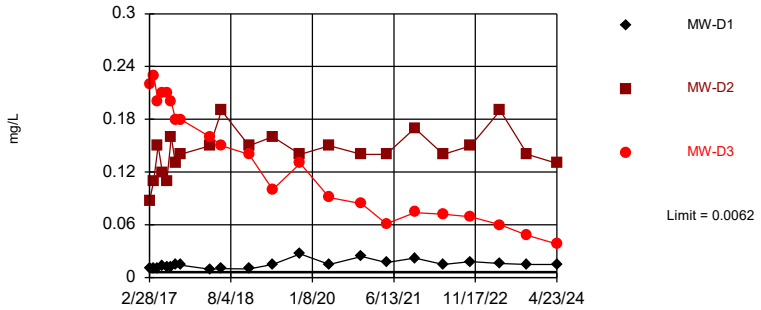
Constituent: Arsenic Analysis Run 7/1/2024 8:22 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Exceeds Limit: MW-D1, MW-D2, MW-D3

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Most recent observation is compared with limit. Limit is highest of 23 background values. 81.84% coverage at alpha=0.01; 87.7% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.3074.

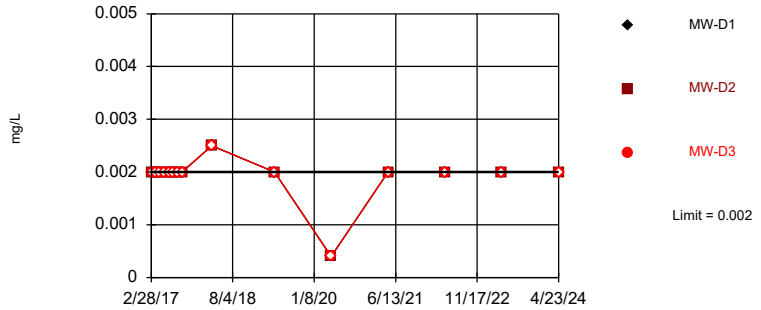
Constituent: Barium Analysis Run 7/1/2024 8:22 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.
Within Limit

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. All background values were censored; limit is most recent reporting limit. 74.8% coverage at alpha=0.01; 83.01% coverage at alpha=0.05; 95.9% coverage at alpha=0.5. Report alpha = 0.4401.

Constituent: Beryllium Analysis Run 7/1/2024 8:22 AM

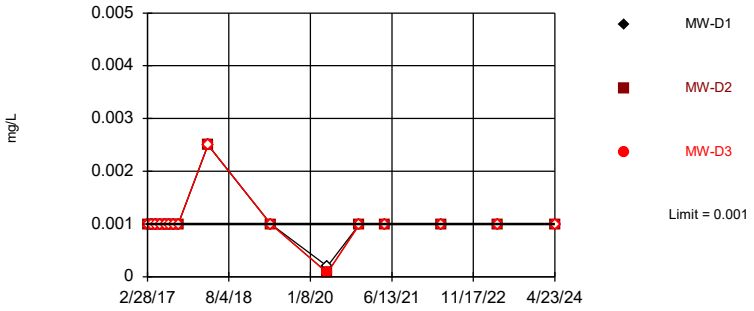
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.

Within Limit

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. All background values were censored; limit is most recent reporting limit. 76.37% coverage at alpha=0.01; 83.79% coverage at alpha=0.05; 95.9% coverage at alpha=0.5. Report alpha = 0.4181.

Constituent: Cadmium Analysis Run 7/1/2024 8:23 AM

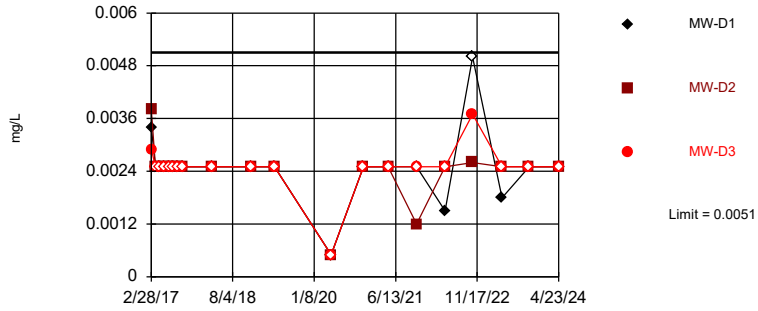
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.

Within Limit

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Most recent observation is compared with limit. Limit is highest of 21 background values. 9.524% NDs. 80.27% coverage at alpha=0.01; 86.52% coverage at alpha=0.05; 96.68% coverage at alpha=0.5. Report alpha = 0.3406.

Constituent: Chromium Analysis Run 7/1/2024 8:23 AM

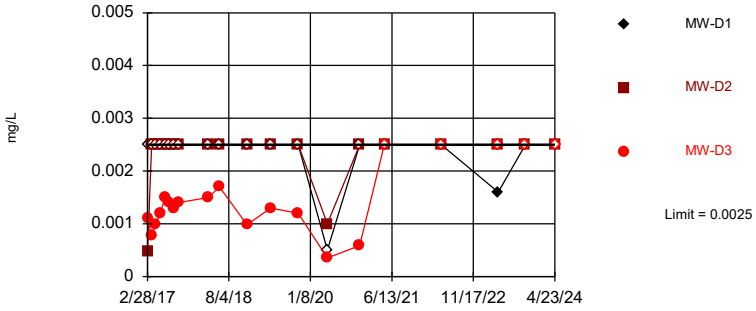
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.

Within Limit

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. Limit is highest of 21 background values. 95.24% NDs. 80.27% coverage at alpha=0.01; 86.52% coverage at alpha=0.05; 96.68% coverage at alpha=0.5. Report alpha = 0.3406.

Constituent: Cobalt Analysis Run 7/1/2024 8:23 AM

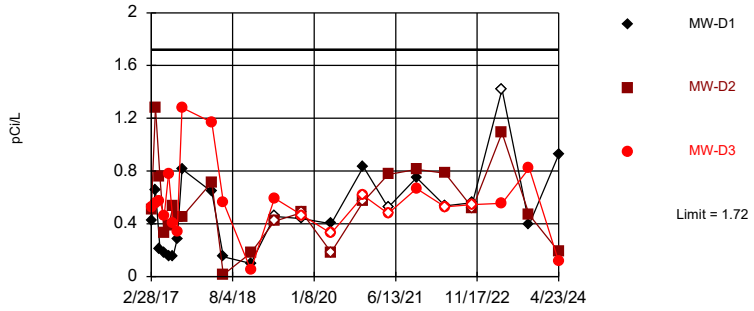
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.

Within Limit

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because the data required both a power transformation and Cohen's adjustment. Most recent observation is compared with limit. Limit is highest of 22 background values. 27.27% NDs. 81.05% coverage at alpha=0.01; 87.3% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.3235.

Constituent: Combined Radium 226 + 228 Analysis Run 7/1/2024 8:23 AM

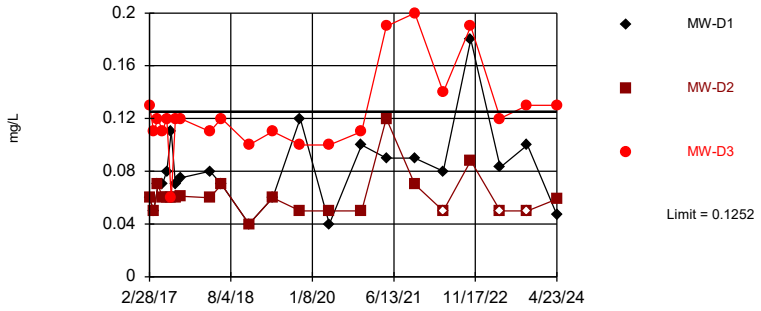
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.

Exceeds Limit: MW-D3

Tolerance Limit

Interwell Parametric



95% coverage. Most recent observation is compared with limit. Background Data Summary (based on natural log transformation): Mean=-2.808, Std. Dev.=0.2712, n=23, 13.04% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9014, critical = 0.881. Report alpha = 0.01.

Constituent: Fluoride Analysis Run 7/1/2024 8:23 AM

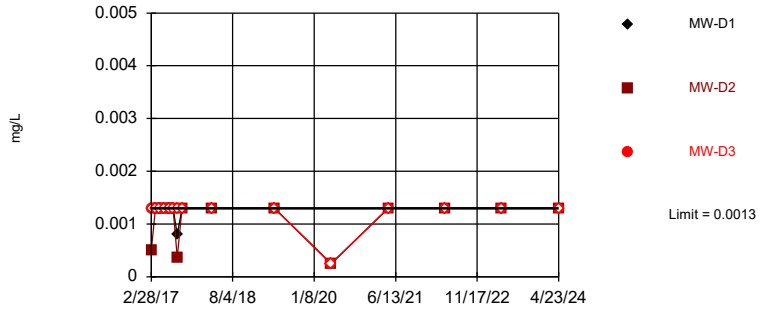
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.

Within Limit

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. Limit is highest of 16 background values. 93.75% NDs. 74.8% coverage at alpha=0.01; 83.01% coverage at alpha=0.05; 95.9% coverage at alpha=0.5. Report alpha = 0.4401.

Constituent: Lead Analysis Run 7/1/2024 8:23 AM

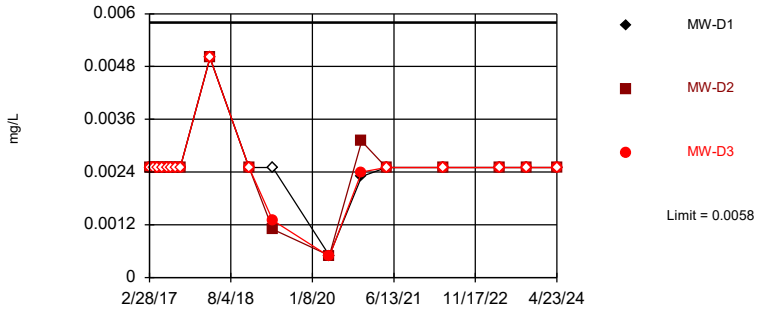
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.

Within Limit

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. Limit is highest of 19 background values. 89.47% NDs. 78.32% coverage at alpha=0.01; 85.35% coverage at alpha=0.05; 96.29% coverage at alpha=0.5. Report alpha = 0.3774.

Constituent: Lithium Analysis Run 7/1/2024 8:23 AM

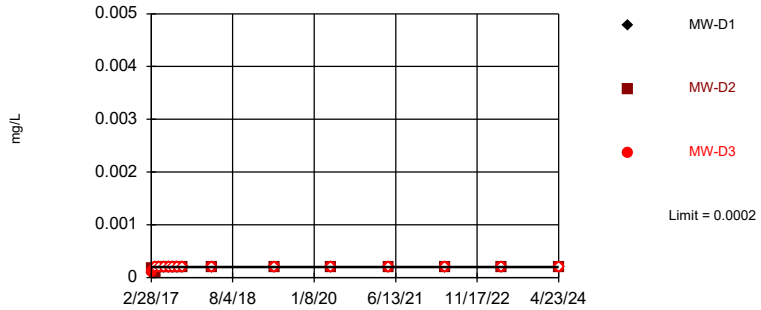
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.

Within Limit

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. Limit is highest of 16 background values. 93.75% NDs. 74.8% coverage at alpha=0.01; 83.01% coverage at alpha=0.05; 95.9% coverage at alpha=0.5. Report alpha = 0.4401.

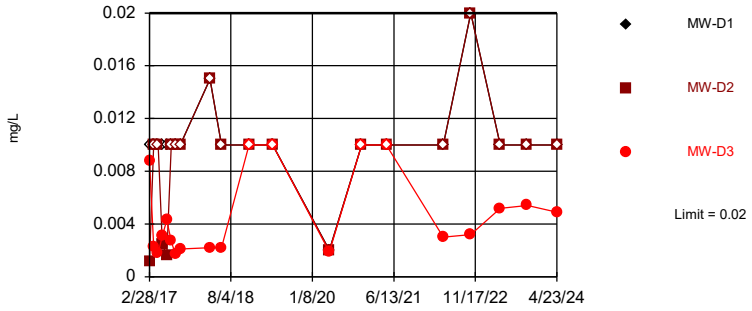
Constituent: Mercury Analysis Run 7/1/2024 8:23 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.
Within Limit

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. Limit is highest of 21 background values. 95.24% NDs. 80.27% coverage at alpha=0.01; 86.52% coverage at alpha=0.05; 96.68% coverage at alpha=0.5. Report alpha = 0.3406.

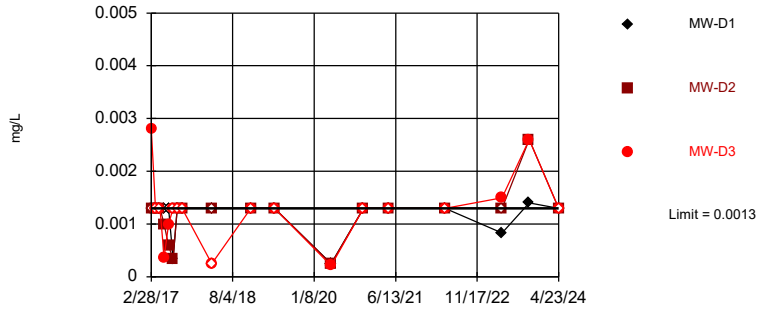
Constituent: Molybdenum Analysis Run 7/1/2024 8:23 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.
Within Limit

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Most recent observation is compared with limit. Limit is highest of 19 background values. 63.16% NDs. 78.32% coverage at alpha=0.01; 85.35% coverage at alpha=0.05; 96.29% coverage at alpha=0.5. Report alpha = 0.3774.

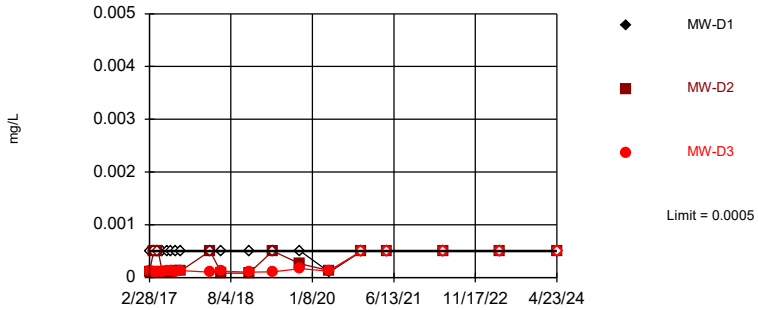
Constituent: Selenium Analysis Run 7/1/2024 8:23 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.
Within Limit

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. All background values were censored; limit is most recent reporting limit. 79.49% coverage at alpha=0.01; 86.13% coverage at alpha=0.05; 96.68% coverage at alpha=0.5. Report alpha = 0.3585.

Constituent: Thallium Analysis Run 7/1/2024 8:23 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

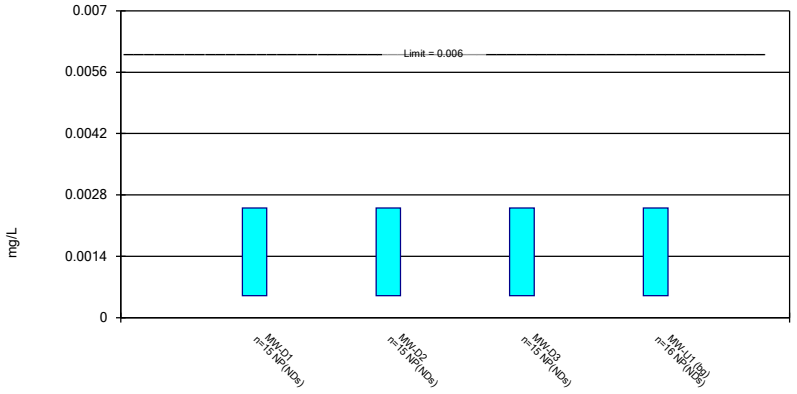
Tolerance Limit

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10 Printed 7/1/2024, 8:23 AM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	MW-D1	0.0025	4/23/2024	<0.0025	No	16	100	n/a	0.1758	NP Inter(NDs)
Antimony (mg/L)	MW-D2	0.0025	4/23/2024	<0.0025	No	16	100	n/a	0.1758	NP Inter(NDs)
Antimony (mg/L)	MW-D3	0.0025	4/23/2024	<0.0025	No	16	100	n/a	0.1758	NP Inter(NDs)
Arsenic (mg/L)	MW-D1	0.0025	4/23/2024	<0.0013	No	22	81.82	n/a	0.1222	NP Inter(NDs)
Arsenic (mg/L)	MW-D2	0.0025	4/23/2024	<0.0013	No	22	81.82	n/a	0.1222	NP Inter(NDs)
Arsenic (mg/L)	MW-D3	0.0025	4/23/2024	0.0012	No	22	81.82	n/a	0.1222	NP Inter(NDs)
Barium (mg/L)	**MW-D1**	**0.0062**	**4/23/2024**	**0.015**	**Yes**	**23**	**0**	**n/a**	**0.1152**	**NP Inter(normal...**
Barium (mg/L)	**MW-D2**	**0.0062**	**4/23/2024**	**0.13**	**Yes**	**23**	**0**	**n/a**	**0.1152**	**NP Inter(normal...**
Barium (mg/L)	**MW-D3**	**0.0062**	**4/23/2024**	**0.038**	**Yes**	**23**	**0**	**n/a**	**0.1152**	**NP Inter(normal...**
Beryllium (mg/L)	MW-D1	0.002	4/23/2024	<0.002	No	16	100	n/a	0.1758	NP Inter(NDs)
Beryllium (mg/L)	MW-D2	0.002	4/23/2024	<0.002	No	16	100	n/a	0.1758	NP Inter(NDs)
Beryllium (mg/L)	MW-D3	0.002	4/23/2024	<0.002	No	16	100	n/a	0.1758	NP Inter(NDs)
Cadmium (mg/L)	MW-D1	0.001	4/23/2024	<0.001	No	17	100	n/a	0.1651	NP Inter(NDs)
Cadmium (mg/L)	MW-D2	0.001	4/23/2024	<0.001	No	17	100	n/a	0.1651	NP Inter(NDs)
Cadmium (mg/L)	MW-D3	0.001	4/23/2024	<0.001	No	17	100	n/a	0.1651	NP Inter(NDs)
Chromium (mg/L)	MW-D1	0.0051	4/23/2024	<0.0025	No	21	9.524	n/a	0.1296	NP Inter(normal...
Chromium (mg/L)	MW-D2	0.0051	4/23/2024	<0.0025	No	21	9.524	n/a	0.1296	NP Inter(normal...
Chromium (mg/L)	MW-D3	0.0051	4/23/2024	<0.0025	No	21	9.524	n/a	0.1296	NP Inter(normal...
Cobalt (mg/L)	MW-D1	0.0025	4/23/2024	<0.0025	No	21	95.24	n/a	0.1296	NP Inter(NDs)
Cobalt (mg/L)	MW-D2	0.0025	4/23/2024	<0.0025	No	21	95.24	n/a	0.1296	NP Inter(NDs)
Cobalt (mg/L)	MW-D3	0.0025	4/23/2024	<0.0025	No	21	95.24	n/a	0.1296	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	MW-D1	1.72	4/23/2024	0.925	No	22	27.27	n/a	0.1222	NP Inter(Cohens...
Combined Radium 226 + 228 (pCi/L)	MW-D2	1.72	4/23/2024	0.189	No	22	27.27	n/a	0.1222	NP Inter(Cohens...
Combined Radium 226 + 228 (pCi/L)	MW-D3	1.72	4/23/2024	0.113	No	22	27.27	n/a	0.1222	NP Inter(Cohens...
Fluoride (mg/L)	MW-D1	0.1252	4/23/2024	0.047	No	23	13.04	ln(x)	0.003345	Inter
Fluoride (mg/L)	MW-D2	0.1252	4/23/2024	0.059	No	23	13.04	ln(x)	0.003345	Inter
Fluoride (mg/L)	**MW-D3**	**0.1252**	**4/23/2024**	**0.13**	**Yes**	**23**	**13.04**	**ln(x)**	**0.003345**	**Inter**
Lead (mg/L)	MW-D1	0.0013	4/23/2024	<0.0013	No	16	93.75	n/a	0.1758	NP Inter(NDs)
Lead (mg/L)	MW-D2	0.0013	4/23/2024	<0.0013	No	16	93.75	n/a	0.1758	NP Inter(NDs)
Lead (mg/L)	MW-D3	0.0013	4/23/2024	<0.0013	No	16	93.75	n/a	0.1758	NP Inter(NDs)
Lithium (mg/L)	MW-D1	0.0058	4/23/2024	<0.0025	No	19	89.47	n/a	0.1461	NP Inter(NDs)
Lithium (mg/L)	MW-D2	0.0058	4/23/2024	<0.0025	No	19	89.47	n/a	0.1461	NP Inter(NDs)
Lithium (mg/L)	MW-D3	0.0058	4/23/2024	<0.0025	No	19	89.47	n/a	0.1461	NP Inter(NDs)
Mercury (mg/L)	MW-D1	0.0002	4/23/2024	<0.0002	No	16	93.75	n/a	0.1758	NP Inter(NDs)
Mercury (mg/L)	MW-D2	0.0002	4/23/2024	<0.0002	No	16	93.75	n/a	0.1758	NP Inter(NDs)
Mercury (mg/L)	MW-D3	0.0002	4/23/2024	<0.0002	No	16	93.75	n/a	0.1758	NP Inter(NDs)
Molybdenum (mg/L)	MW-D1	0.02	4/23/2024	<0.01	No	21	95.24	n/a	0.1296	NP Inter(NDs)
Molybdenum (mg/L)	MW-D2	0.02	4/23/2024	<0.01	No	21	95.24	n/a	0.1296	NP Inter(NDs)
Molybdenum (mg/L)	MW-D3	0.02	4/23/2024	0.0049	No	21	95.24	n/a	0.1296	NP Inter(NDs)
Selenium (mg/L)	MW-D1	0.0013	4/23/2024	<0.0013	No	19	63.16	n/a	0.1461	NP Inter(normal...
Selenium (mg/L)	MW-D2	0.0013	4/23/2024	<0.0013	No	19	63.16	n/a	0.1461	NP Inter(normal...
Selenium (mg/L)	MW-D3	0.0013	4/23/2024	<0.0013	No	19	63.16	n/a	0.1461	NP Inter(normal...
Thallium (mg/L)	MW-D1	0.0005	4/23/2024	<0.0005	No	20	100	n/a	0.1375	NP Inter(NDs)
Thallium (mg/L)	MW-D2	0.0005	4/23/2024	<0.0005	No	20	100	n/a	0.1375	NP Inter(NDs)
Thallium (mg/L)	MW-D3	0.0005	4/23/2024	<0.0005	No	20	100	n/a	0.1375	NP Inter(NDs)

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Antimony Analysis Run 7/1/2024 8:24 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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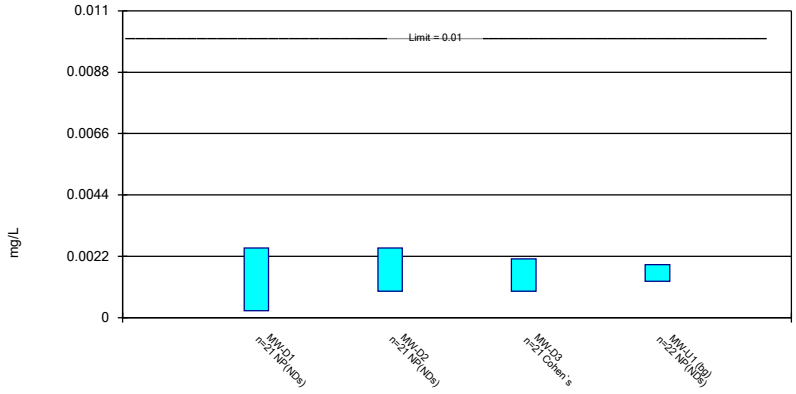
Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 7/1/2024 8:24 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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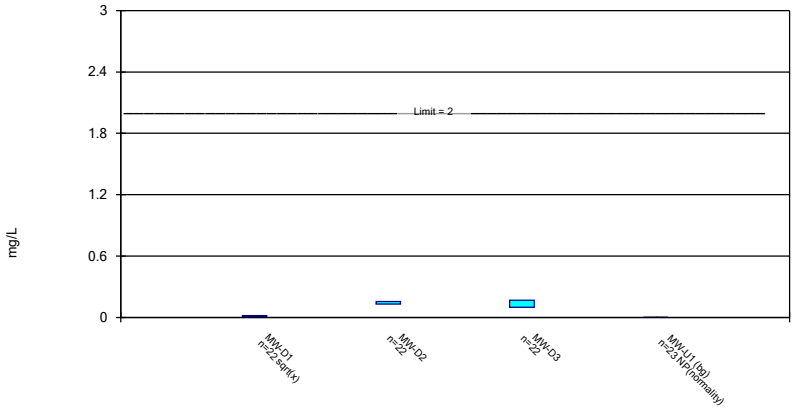
Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 7/1/2024 8:24 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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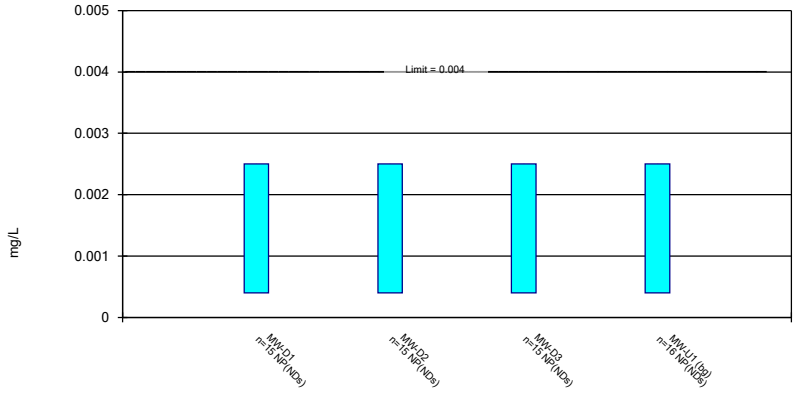
Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

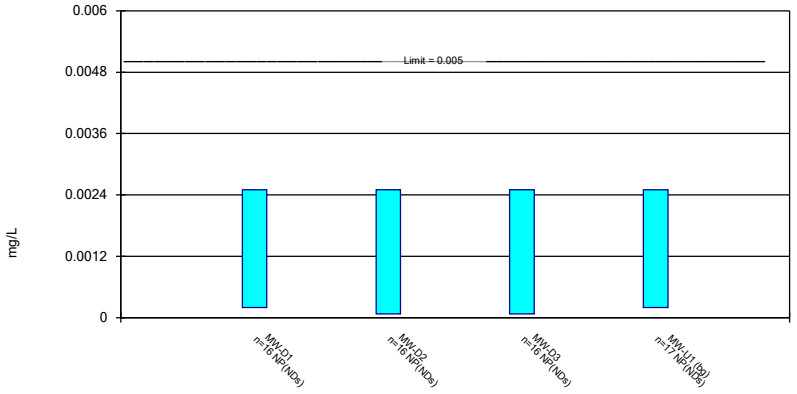


Constituent: Beryllium Analysis Run 7/1/2024 8:24 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

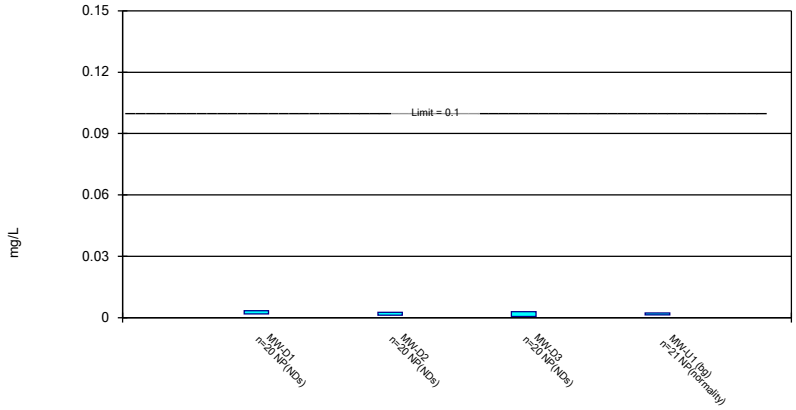


Constituent: Cadmium Analysis Run 7/1/2024 8:24 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

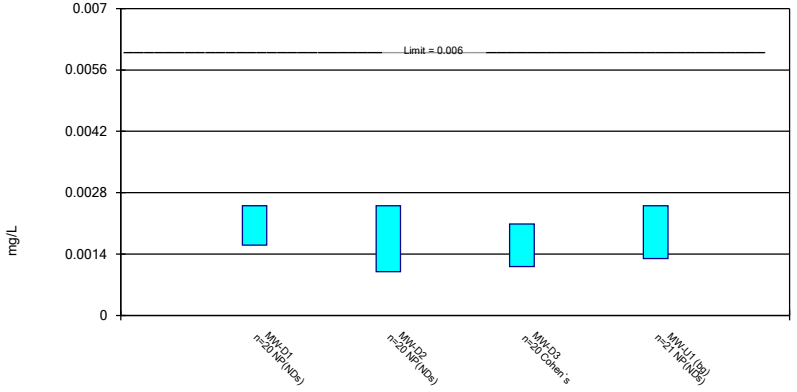


Constituent: Chromium Analysis Run 7/1/2024 8:24 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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.

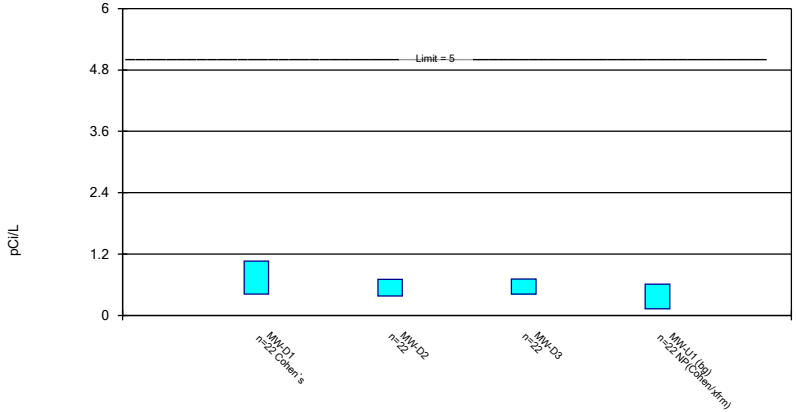


Constituent: Cobalt Analysis Run 7/1/2024 8:24 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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.

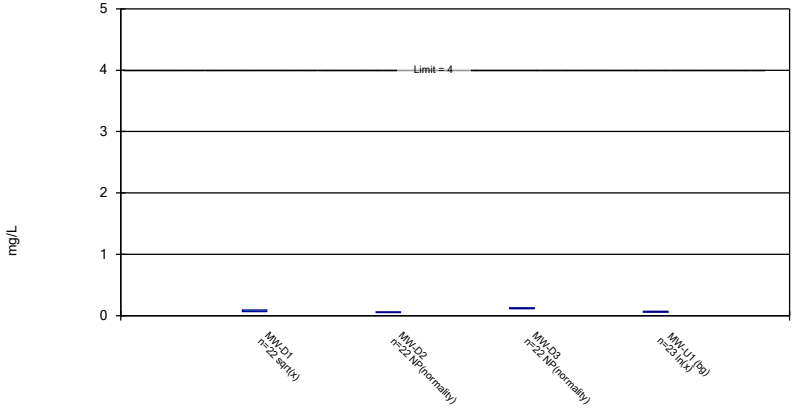


Constituent: Combined Radium 226 + 228 Analysis Run 7/1/2024 8:24 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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.

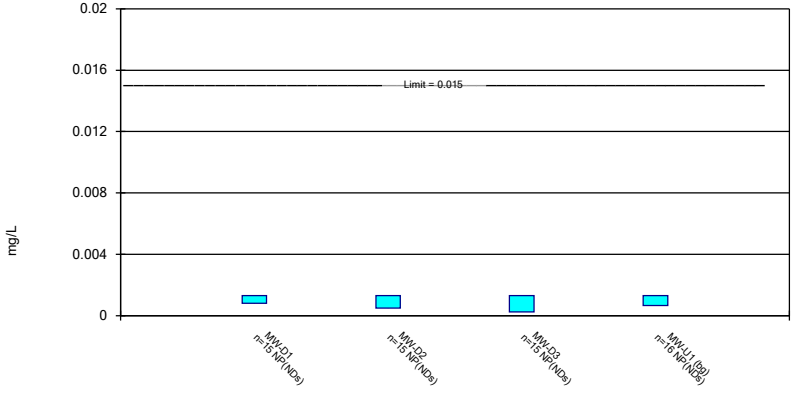


Constituent: Fluoride Analysis Run 7/1/2024 8:24 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

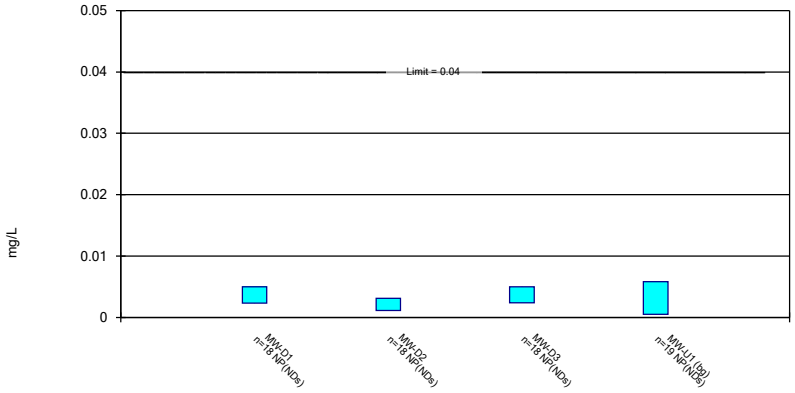


Constituent: Lead Analysis Run 7/1/2024 8:24 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

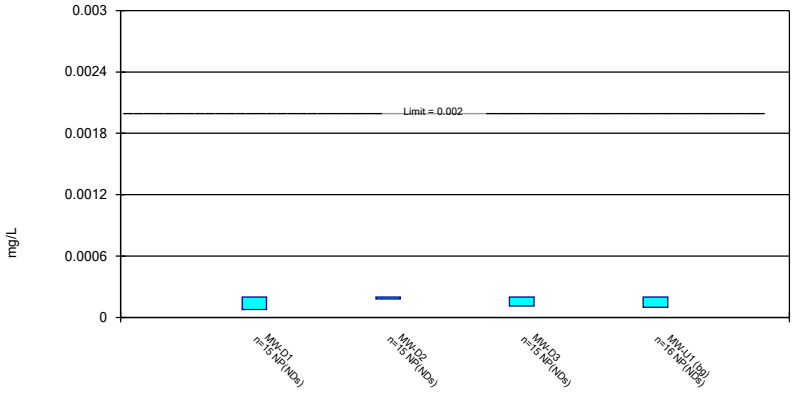


Constituent: Lithium Analysis Run 7/1/2024 8:24 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

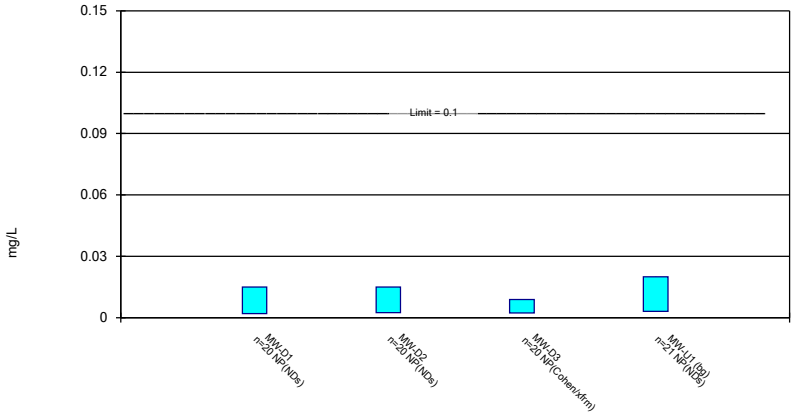


Constituent: Mercury Analysis Run 7/1/2024 8:24 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Molybdenum Analysis Run 7/1/2024 8:24 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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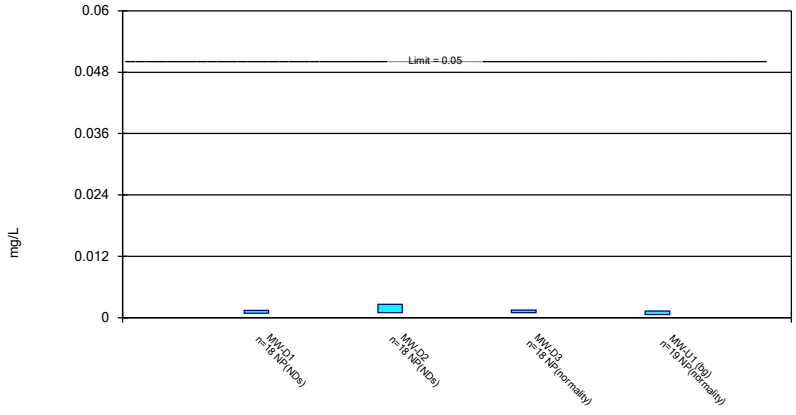
Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Selenium Analysis Run 7/1/2024 8:24 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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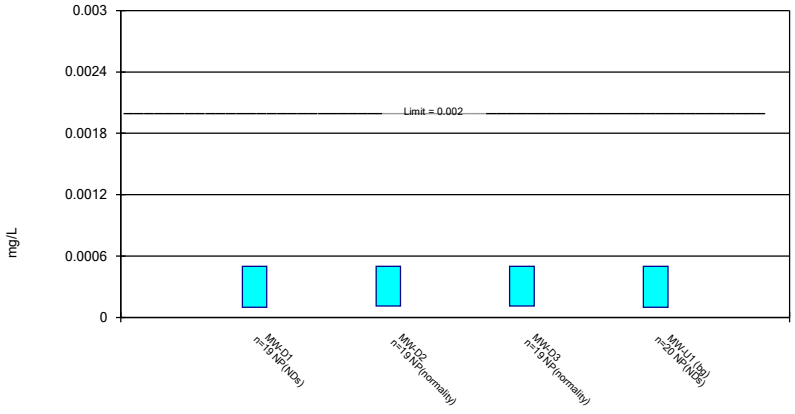
Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Thallium Analysis Run 7/1/2024 8:24 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Confidence Interval

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10 Printed 7/1/2024, 8:24 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-D1	0.0025	0.0005	0.006	No	15	0.002367	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-D2	0.0025	0.0005	0.006	No	15	0.002367	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-D3	0.0025	0.0005	0.006	No	15	0.002367	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-U1 (bg)	0.0025	0.0005	0.006	No	16	0.002375	100	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-D1	0.0025	0.00025	0.01	No	21	0.001307	100	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-D2	0.0025	0.00095	0.01	No	21	0.00123	80.95	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-D3	0.002105	0.0009446	0.01	No	21	0.001076	28.57	Cohen`s	No	0.01	Param.
Arsenic (mg/L)	MW-U1 (bg)	0.0019	0.0013	0.01	No	22	0.001291	81.82	Cohen`s	No	0.01	NP (NDs)
Barium (mg/L)	MW-D1	0.0169	0.01224	2	No	22	0.01479	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	MW-D2	0.156	0.1301	2	No	22	0.143	0	None	No	0.01	Param.
Barium (mg/L)	MW-D3	0.1666	0.09767	2	No	22	0.1321	0	None	No	0.01	Param.
Barium (mg/L)	MW-U1 (bg)	0.0026	0.002	2	No	23	0.002552	0	None	No	0.01	NP (normality)
Beryllium (mg/L)	MW-D1	0.0025	0.0004	0.004	No	15	0.001927	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-D2	0.0025	0.0004	0.004	No	15	0.001927	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-D3	0.0025	0.0004	0.004	No	15	0.001927	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-U1 (bg)	0.0025	0.0004	0.004	No	16	0.001931	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-D1	0.0025	0.0002	0.005	No	16	0.001044	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-D2	0.0025	0.000075	0.005	No	16	0.001036	93.75	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-D3	0.0025	0.000071	0.005	No	16	0.001036	93.75	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-U1 (bg)	0.0025	0.0002	0.005	No	17	0.001041	100	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-D1	0.0034	0.0018	0.1	No	20	0.002485	85	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-D2	0.0026	0.0012	0.1	No	20	0.002405	85	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-D3	0.0029	0.0005	0.1	No	20	0.00248	90	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-U1 (bg)	0.0022	0.0013	0.1	No	21	0.001905	9.524	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-D1	0.0025	0.0016	0.006	No	20	0.002355	95	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-D2	0.0025	0.001	0.006	No	20	0.002323	90	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-D3	0.002087	0.001114	0.006	No	20	0.00149	25	Cohen`s	No	0.01	Param.
Cobalt (mg/L)	MW-U1 (bg)	0.0025	0.0013	0.006	No	21	0.002252	95.24	Cohen`s	No	0.01	NP (NDs)
Combined Radium 226 + ...	MW-D1	1.059	0.4174	5	No	22	0.5008	22.73	Cohen`s	No	0.01	Param.
Combined Radium 226 + ...	MW-D2	0.7016	0.3806	5	No	22	0.5411	22.73	None	No	0.01	Param.
Combined Radium 226 + ...	MW-D3	0.7138	0.414	5	No	22	0.5639	27.27	None	No	0.01	Param.
Combined Radium 226 + ...	MW-U1 (bg)	0.609	0.131	5	No	22	0.3799	27.27	None	No	0.01	NP (Cohens/xfrm)
Fluoride (mg/L)	MW-D1	0.09378	0.0632	4	No	22	0.08023	0	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	MW-D2	0.061	0.05	4	No	22	0.06127	13.64	None	No	0.01	NP (normality)
Fluoride (mg/L)	MW-D3	0.13	0.11	4	No	22	0.1245	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	MW-U1 (bg)	0.06951	0.05235	4	No	23	0.0627	13.04	None	ln(x)	0.01	Param.
Lead (mg/L)	MW-D1	0.0013	0.0008	0.015	No	15	0.001197	93.33	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-D2	0.0013	0.0005	0.015	No	15	0.001115	86.67	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-D3	0.0013	0.00025	0.015	No	15	0.00123	100	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-U1 (bg)	0.0013	0.00065	0.015	No	16	0.001194	93.75	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-D1	0.005	0.0023	0.04	No	18	0.002517	94.44	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-D2	0.0031	0.0011	0.04	No	18	0.002483	88.89	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-D3	0.005	0.0024	0.04	No	18	0.002454	83.33	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-U1 (bg)	0.0058	0.0005	0.04	No	19	0.002455	89.47	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-D1	0.0002	0.000077	0.002	No	15	0.000...	93.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-D2	0.0002	0.00018	0.002	No	15	0.000...	86.67	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-D3	0.0002	0.00011	0.002	No	15	0.000194	93.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-U1 (bg)	0.0002	0.000099	0.002	No	16	0.000...	93.75	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-D1	0.015	0.002	0.1	No	20	0.01035	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-D2	0.015	0.0025	0.1	No	20	0.009115	85	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-D3	0.0088	0.0022	0.1	No	20	0.00474	20	None	No	0.01	NP (Cohens/xfrm)
Molybdenum (mg/L)	MW-U1 (bg)	0.02	0.003	0.1	No	21	0.009338	95.24	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-D1	0.0014	0.00083	0.05	No	18	0.001167	83.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-D2	0.0026	0.001	0.05	No	18	0.001204	77.78	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-D3	0.0015	0.001	0.05	No	18	0.001279	66.67	None	No	0.01	NP (normality)
Selenium (mg/L)	MW-U1 (bg)	0.0013	0.00061	0.05	No	19	0.001035	63.16	None	No	0.01	NP (normality)
Thallium (mg/L)	MW-D1	0.0005	0.0001	0.002	No	19	0.000...	100	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-D2	0.0005	0.00011	0.002	No	19	0.000...	47.37	None	No	0.01	NP (normality)
Thallium (mg/L)	MW-D3	0.0005	0.00011	0.002	No	19	0.000...	26.32	None	No	0.01	NP (normality)
Thallium (mg/L)	MW-U1 (bg)	0.0005	0.0001	0.002	No	20	0.00048	100	None	No	0.01	NP (NDs)

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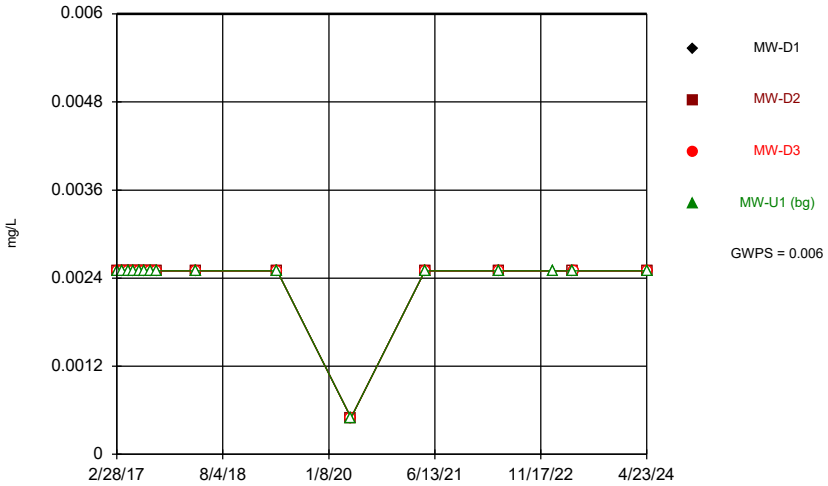
Hollow symbols indicate censored values.

Time Series



Constituent: Antimony Analysis Run 7/1/2024 8:25 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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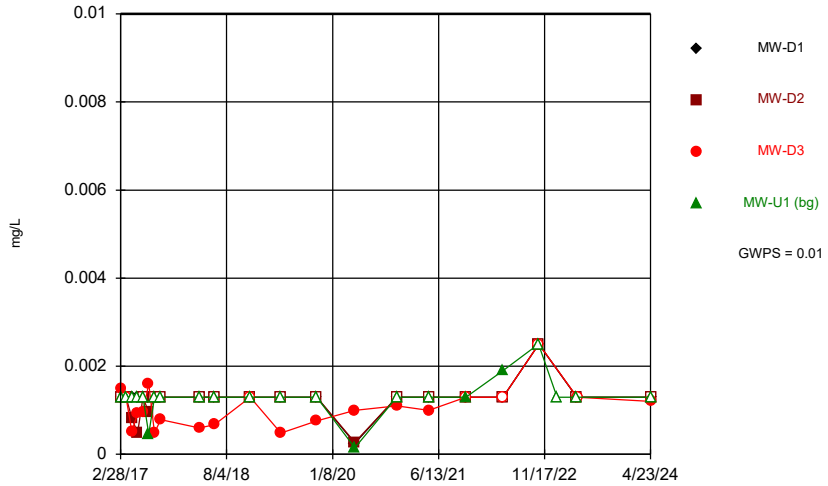
Time Series



Constituent: Arsenic Analysis Run 7/1/2024 8:25 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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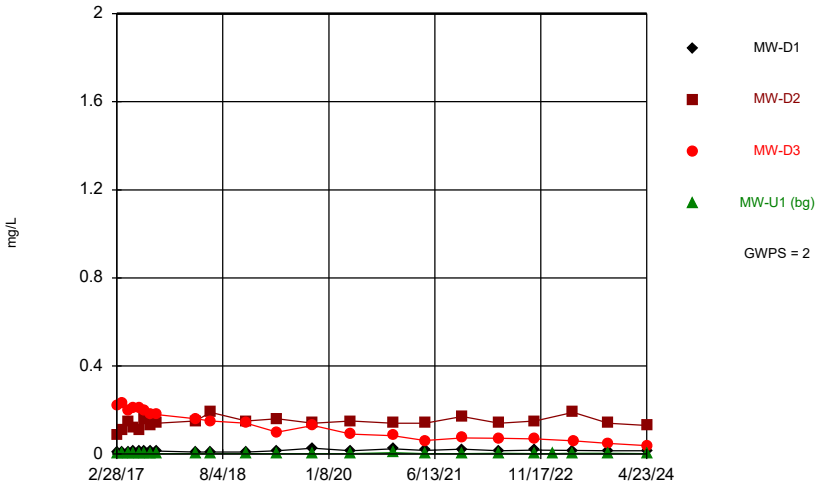
Time Series



Constituent: Barium Analysis Run 7/1/2024 8:25 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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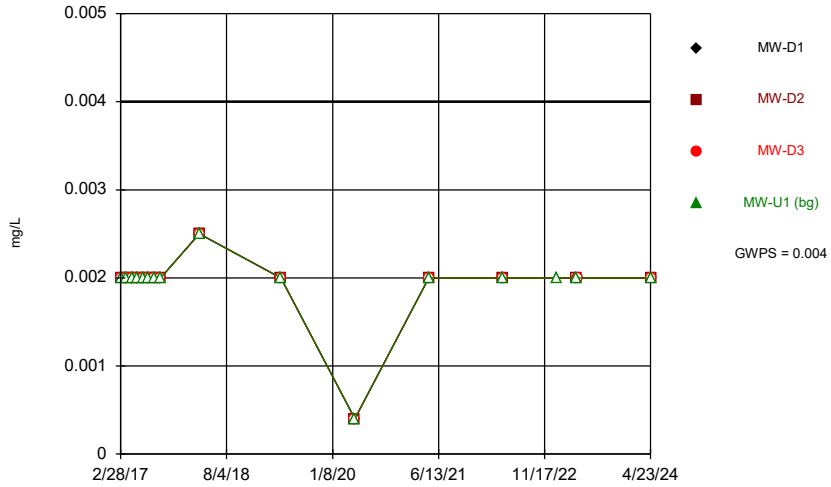
Time Series



Constituent: Beryllium Analysis Run 7/1/2024 8:25 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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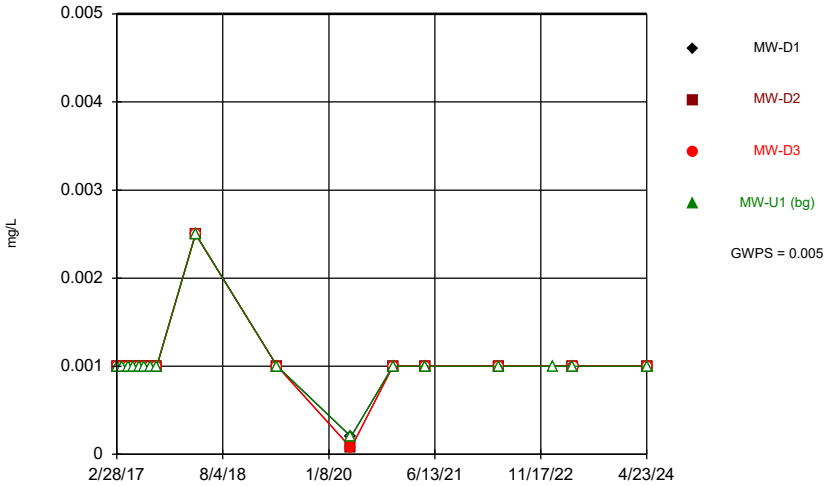
Time Series



Constituent: Cadmium Analysis Run 7/1/2024 8:25 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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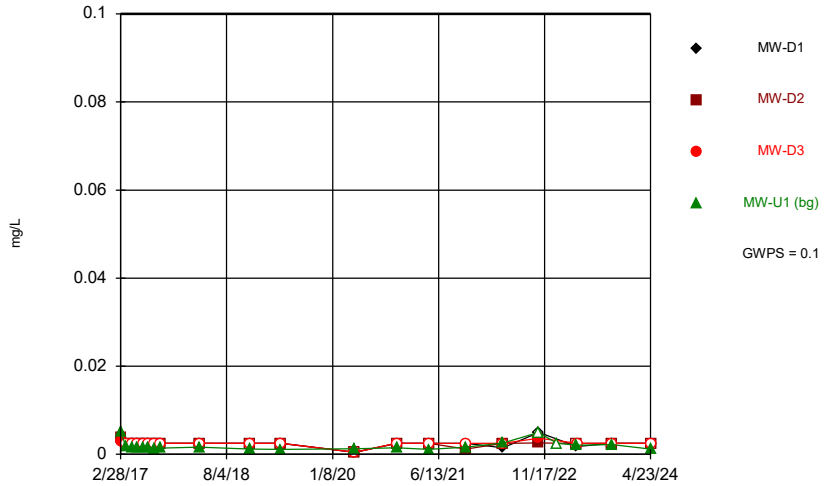
Time Series



Constituent: Chromium Analysis Run 7/1/2024 8:25 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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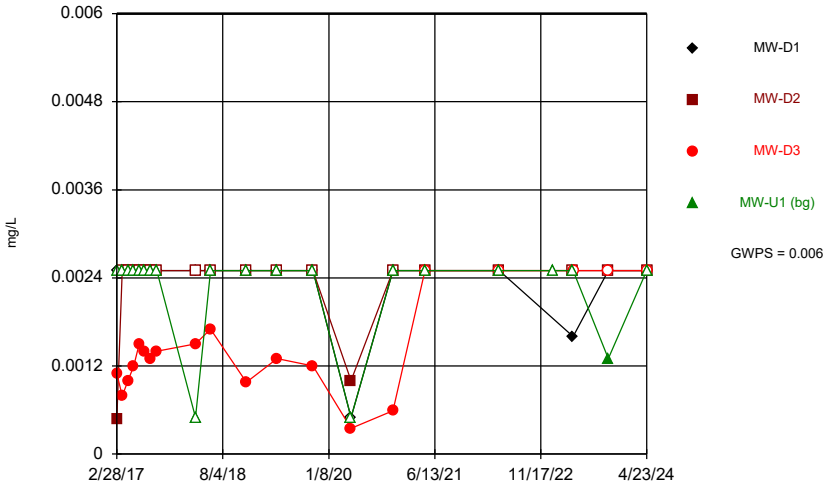
Time Series



Constituent: Cobalt Analysis Run 7/1/2024 8:25 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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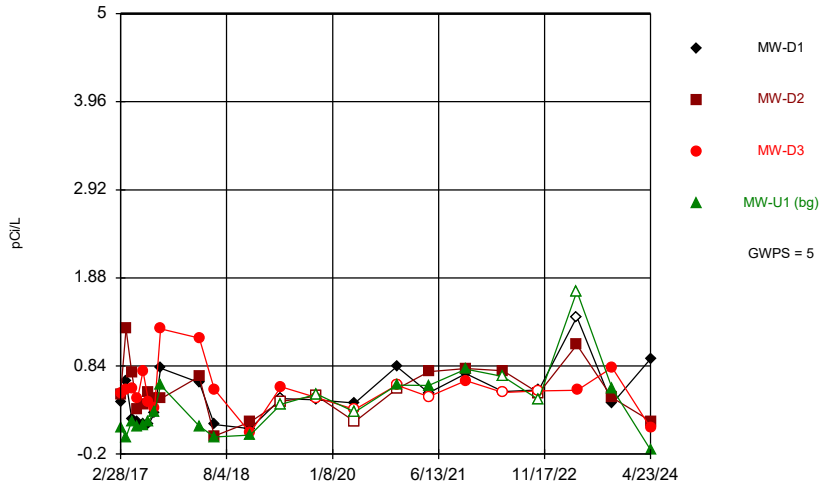
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 7/1/2024 8:25 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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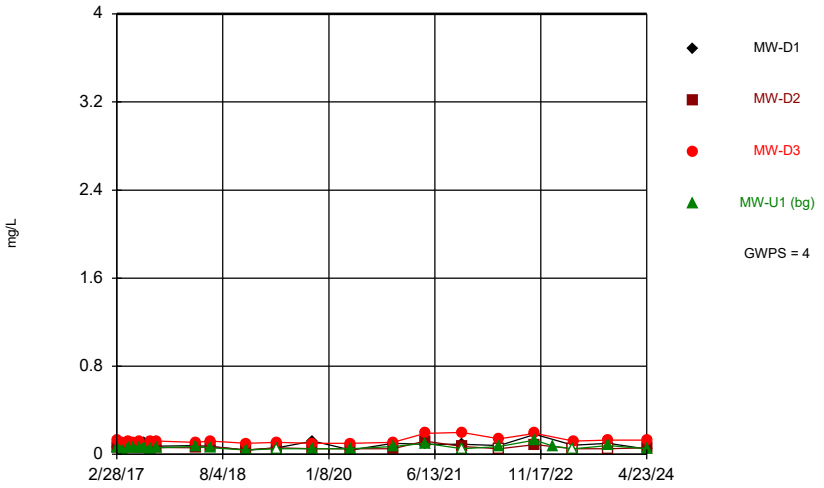
Time Series



Constituent: Fluoride Analysis Run 7/1/2024 8:25 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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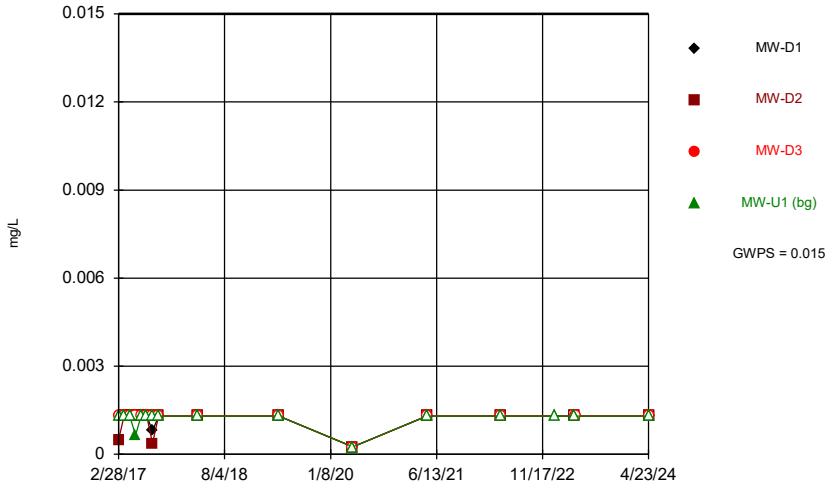
Time Series



Constituent: Lead Analysis Run 7/1/2024 8:25 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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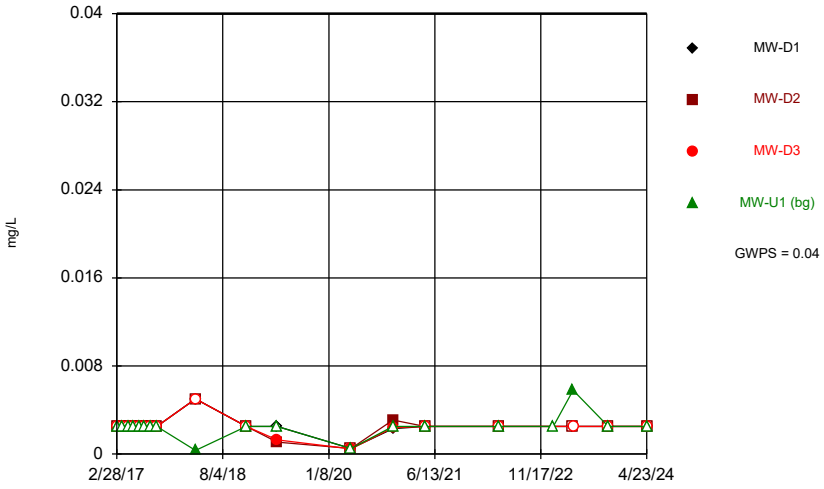
Time Series



Constituent: Lithium Analysis Run 7/1/2024 8:25 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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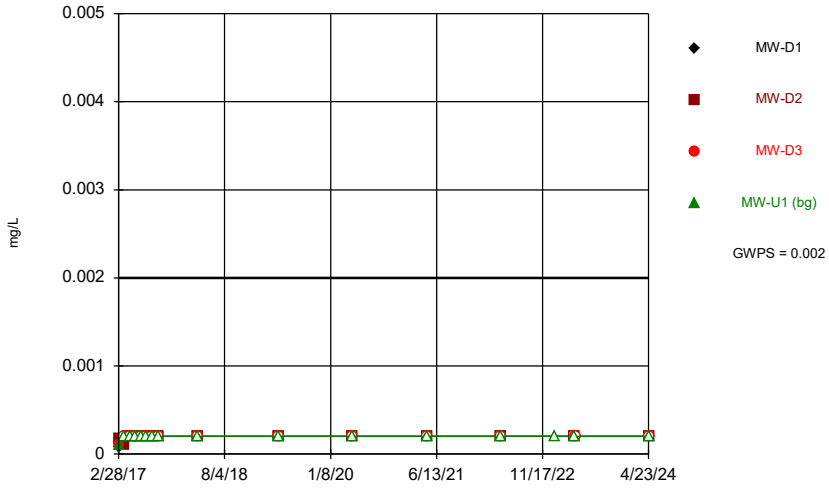
Hollow symbols indicate censored values.

Time Series



Constituent: Mercury Analysis Run 7/1/2024 8:25 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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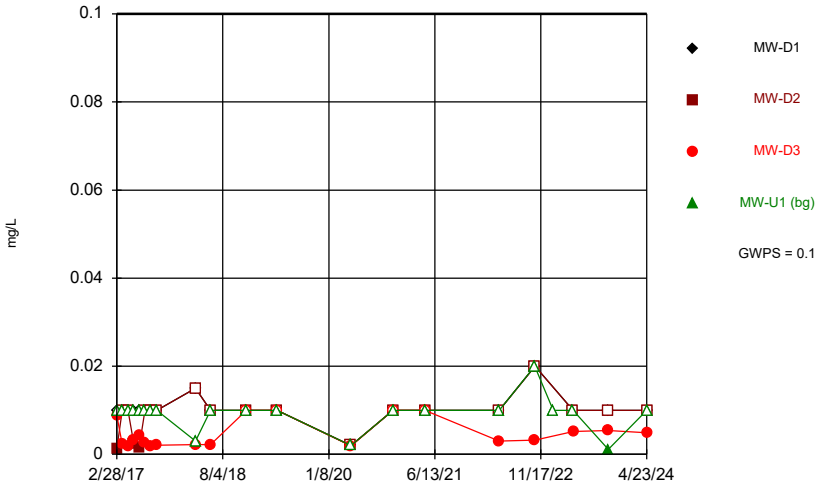
Hollow symbols indicate censored values.

Time Series



Constituent: Molybdenum Analysis Run 7/1/2024 8:25 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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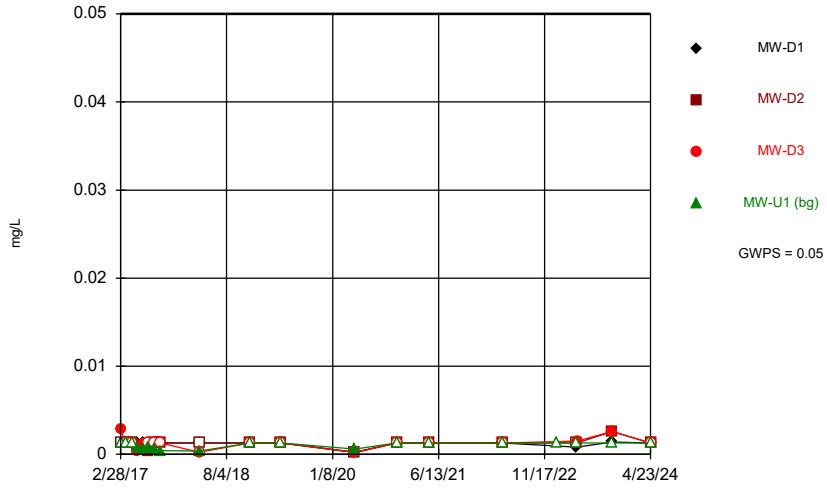
Hollow symbols indicate censored values.

Time Series



Constituent: Selenium Analysis Run 7/1/2024 8:25 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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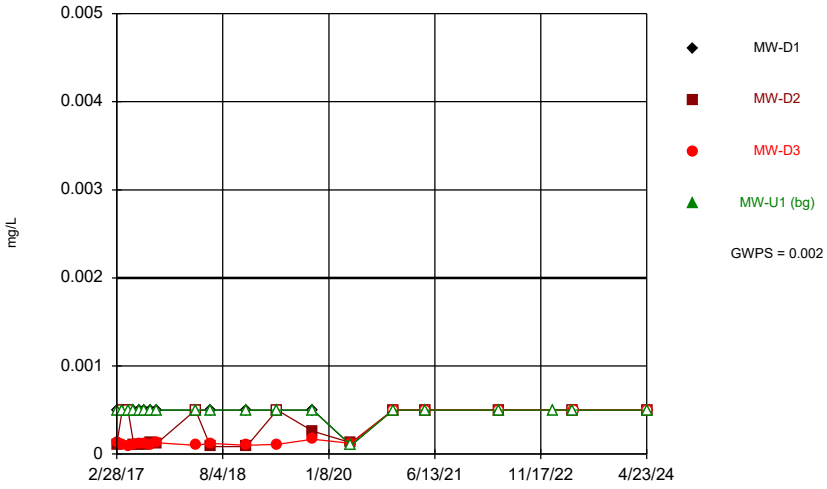
Hollow symbols indicate censored values.

Time Series



Constituent: Thallium Analysis Run 7/1/2024 8:25 AM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10