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 SECONDARY ASH AREAS

Warwick, Georgia

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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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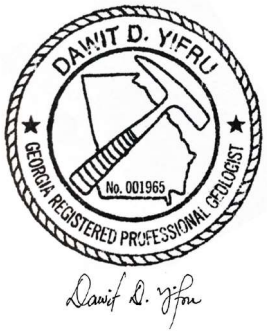

07/31/2024

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CCPC	Crisp County Power Commission
CCR	Coal Combustion Residual
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
LSASD	Laboratory Services & Applied Science Division
MCL	Maximum Contaminant Level
mg/L	Milligram Per Liter
MW	Megawatt
NTU	Nephelometric Turbidity Units
ORP	Oxidation Reduction Potential
QA/QC	Quality Assurance/Quality Control
PE	Professional Engineer
PG	Professional Geologist
PL	Prediction Limit
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 Plant Crisp's two former coal ash disposal areas (referred in this document as secondary ash areas) 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 July 2022 and October 2023.

- In compliance with 40 C.F.R §257.95(a), CCPC initiated an assessment monitoring for the secondary ash areas. The first assessment monitoring was performed in February 2024, within 90 days of triggering an assessment monitoring program.

- 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 select Appendix III[1] constituents set forth below where concentrations of Appendix III constituents in the downgradient monitoring wells were statistically higher than the concentrations in 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] .

[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] Antimony was detected in laboratory method blank samples. In addition, 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.

Appendix III Parameter	April 2024
Calcium	*MW-D4, MW-D7, MW-D8, MW-D9*
Total Dissolved Solids (TDS)	*MW-D7, MW-D8, MW-D9*
Appendix IV Parameter[4]	*None*

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

[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)).

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 two former coal ash disposal areas (referred in this document as secondary ash areas). The secondary ash areas were discovered in the vicinity of the ash pond at CCPC's Plant Crisp. CCPC installed a groundwater monitoring well network in May 2022 in compliance with the requirements of the 40 CFR §257.91 and Section 391-3-4-.10(6) of the Georgia Environmental Protection Division (GA EPD) CCR Rule.

A groundwater detection monitoring program was performed between July 2022 and October 2023 in compliance with the requirements of the 40 CFR §257.94. The first Annual Groundwater Monitoring Report summarizing the results of detection groundwater monitoring activities was prepared in January 2024 [Geosyntec, 2024a]. 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 secondary ash areas in February 2024. The assessment monitoring continued in 2024 by performing a semi-annual monitoring event in April 2024. The February and April 2024 assessment monitoring events were 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 secondary ash areas in February 2024 [Geosyntec, 2024b].

The purpose of this report is to present a summary of the February 2024 and April 2024 groundwater assessment monitoring activities and associated laboratory and statistical analysis results. This 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 February 2024 and April 2024 sampling events 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

[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

levels (MCLs) (Appendix I to 40 C.F.R. §257)[6] or groundwater protection standard (GWPS), if an 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. The coal burning and resulting sluicing operation was completed in March 2017. To comply with both the United States Environmental Protection Agency's (USEPA's) 40 C.F.R. 257 and Georgia Environmental Protection Division's (GA EPD's) Solid Waste Management, Chapter 391-3-4-.10, CCPC has closed the ash pond by removal and disposal of the CCR at the Crisp County Sanitary Landfill. During the decommissioning of the ash pond, two secondary ash areas were discovered. Secondary Ash Area 1 and Secondary Ash Area 2 cover approximately 0.8 and 3.4 acres, respectively. The secondary ash areas are located on undeveloped land that are either naturally forested or landscaped grass fields (**Figure 1**).

In February 2022, CCPC submitted notification of closure of the secondary ash areas by removal in accordance with 40 C.F.R. §257. In August 2022, CCPC submitted a CCR permit modification application for closure of the secondary ash areas by removal in accordance with 40 C.F.R. §257.102(c) and the GA EPD rule 391-3-4-.10 and other GA EPD regulations as applicable. The permit modification process was still ongoing when this report was prepared. The secondary ash areas closure construction started in June 2023 and CCR removal activities were completed in December 2023. At the time of writing of this report, final site restoration activities were ongoing.

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

[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).

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 August 12, 2022 [Geosyntec, 2022]; the certification is maintained in the facility's Operating Record. Well construction diagrams of the monitoring wells were included in the Groundwater Monitoring and Statistical Analysis Plan [Geosyntec, 2024b].

The groundwater monitoring well network for the secondary ash areas was designed and constructed to meet the requirements of the groundwater monitoring system 40 CFR §257.91 and includes two upgradient monitoring wells (MW-U1[7] and MW-U2) and six downgradient monitoring wells (MW-D4 through MW-D9). Monitoring wells MW-D4, MW-D5, and MW-D6 were installed immediately downgradient of Secondary Ash Area 2 (**Figure 1**). Monitoring wells MW-D7, MW-D8, and MW-D9 were installed immediately downgradient of Secondary Ash Area 1 (**Figure 1**). The monitoring wells are screened in the uppermost aquifer underlying the secondary ash areas, which is in the alluvium and upper portion of the residuum. Well construction details are provided in **Table 1**.

CCPC does not currently plan to expand the certified monitoring well network for the secondary ash areas. 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.

[7] Monitoring well MW-U1 was installed for background monitoring for the ash pond. The well is also used as background well for the secondary ash areas.

2.0 GROUNDWATER SAMPLING AND LABORATORY ANALYSIS RESULTS

2.1 Groundwater Sampling and Laboratory Analysis

Groundwater assessment monitoring events for this reporting period were conducted on February 7, 2024 and April 23-24, 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 from the February 2024 and April 2024 monitoring are summarized in **Table 2**[8]. The groundwater elevations obtained from the April 2024 monitoring event were used to prepare the potentiometric surface map presented as **Figure 2**. Based on the potentiometric surface map, groundwater flow direction is from southeast towards northwest. Hydraulic gradient is on average 0.010 feet per foot (ft/ft) in February 2024 and 0.012 ft/ft in April 2024 (**Table 3**). The average horizontal groundwater flow velocity was calculated using Darcy's equation as approximately 7.4 feet per year (ft/year) in February 2024 and 9.0 ft/ year in April 2024 (**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 USEPA LSASD operating Procedure ID. LSASDPROC-301-R6):

[8] In addition to the secondary ash areas monitoring wells (i.e., MW-D4 through MW-D9, MW-U1, and MW-U2), depth to groundwater level measurements and the calculated groundwater elevations in monitoring wells installed for ash pond monitoring (i.e., MW-D1, MW-D2, and MW-D3) 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.

- pH ± 0.1 Standard Units (SU);
- Conductivity ± 5%;
- Turbidity measured less than 10 nephelometric turbidity units (NTU);
- 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 samples (DUP-10 from MW-D6 in February 2024 and DUP-11 from MW-D8 in April 2024) were collected for quality assurance/quality control (QA/QC). The duplicate samples were collected in laboratory-provided bottles and shipped under the same chain-of-custody as the primary samples for analysis of the same parameters by Eurofins Environment Testing Laboratories. Field sampling quality control samples (field blank and equipment blank) were collected during both the February 2024 and April 2024 monitoring events.

2.2 Groundwater Monitoring Results

Laboratory analytical results for Appendix III and Appendix IV constituents from the February 2024 monitoring event are summarized in **Table 4** and results from the April

2024 event are summarized in **Table 5**. Appendix III constituents were detected at low concentrations in the upgradient and downgradient monitoring well locations during both February 2024 and April 2024 events.

Low levels of Appendix IV constituents were detected in both the upgradient and downgradient wells. During the February 2024 monitoring, arsenic, barium, cobalt, fluoride, lithium, molybdenum, and radium 226 and 228 combined were detected in the downgradient monitoring wells. Similarly, low levels of barium, fluoride, and radium 226 and 228 combined were detected in the background/upgradient monitoring well MW-U1 and MW-U2. However, all concentrations were below their respective USEPA's MCLs or groundwater protection standards (GWPS).

During the April 2024 monitoring, antimony, barium, chromium, cobalt, fluoride, lead, and radium 226 and 228 combined were detected in the downgradient monitoring wells. Similarly, low levels of barium, chromium, fluoride, radium 226 and 228 combined and selenium were detected in the background/upgradient monitoring well MW-U1 and/or MW-U2. Concentrations of Appendix IV constituents detected in groundwater were below their respective USEPA's MCLs or GWPS.

Low level Appendix IV constituents detected during the February 2024 and April 2024 monitoring events can be naturally occurring as some of these constituents were also detected at low concentrations in the background wells. 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 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 DETECTION MONITORING STATISTICAL DATA ANALYSIS

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, 2024b). 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 same limit for each constituent. The most recent sample from each downgradient well is compared to the background limit to assess whether there are statistically significant increases (SSIs). An "initial exceedance" occurs when an Appendix III constituent reported in the groundwater of a downgradient detection 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 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 secondary ash areas 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 CCR handling permit.

6.0 REFERENCES

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TABLES

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

Well ID	Installation Date	Well Location	Northing[(1)]	Easting[(1)]	Ground Surface Elevation[(2)] (ft)	Top of Casing Elevation[(2)] (ft)	Total Well Depth (ft bgs)	Screen Depth Interval (ft bgs)	Screen Interval Elevation[(2)] (ft)	Screen Interval Lithologic Information
MW-D4	5/12/2022	Downgradient	669875.01	2365444.95	244.22	246.51	27.25	17.00-27.00	227.22-217.22	Residual Soil
MW-D5	5/16/2022	Downgradient	670216.49	2365178.72	238.31	241.16	33.00	22.75-32.75	215.56-205.56	Residual Soil
MW-D6	5/13/2022	Downgradient	670393.04	2365406.13	249.85	252.63	34.25	24.00-34.00	225.85-215.85	Residual Soil
MW-D7	5/13/2022	Downgradient	671054.07	2365037.89	227.21	230.18	24.40	14.15-24.15	213.06-203.06	Residual Soil
MW-D8	5/13/2022	Downgradient	671186.85	2364861.25	223.90	226.76	25.00	14.75-24.75	209.15-199.15	Residual Soil
MW-D9	5/14/2022	Downgradient	671482.27	2364959.09	218.99	221.42	24.80	14.55-24.55	204.44-194.44	Residual Soil
MW-U1	2/23/2017	Upgradient	669996.79	2366420.55	246.28	249.52	33.75	23.50-33.50	222.78-212.78	Alluvium and Residual Soil
MW-U2	5/12/2022	Upgradient	669748.63	2366247.88	245.69	248.79	27.75	17.50-27.50	228.19-218.19	Residual Soil

Notes:
ft = feet
bgs = below ground surface
The easting, northing, and top of casing elevations were obtained from a revised survey performed by J.B. Faircloth & Associates, P.C. on 19 November 2019 and 2 May 2022.
(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 Secondary Ash Areas

Well ID	CCR Unit being Monitored	TOC Elevation (ft MSL)[1]	Date: 2/7/2024		Date: 4/23/2024	
			Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft MSL)	Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft MSL)
MW-D1	Ash Pond	241.77	15.25	226.52	13.53	228.24
MW-D2	Ash Pond	232.66	11.79	220.87	11.73	220.93
MW-D3	Ash Pond	233.78	6.5	227.28	6.18	227.60
MW-U1	Ash Pond	249.52	12.65	236.87	7.85	241.67
MW-D4	Secondary Ash Areas	246.51	11.22	235.29	8.92	237.59
MW-D5	Secondary Ash Areas	241.16	8.72	232.44	7.23	233.93
MW-D6	Secondary Ash Areas	252.63	22.06	230.57	19.92	232.71
MW-D7	Secondary Ash Areas	230.18	6.89	223.29	6.29	223.89
MW-D8	Secondary Ash Areas	226.76	6.87	219.89	6.46	220.30
MW-D9	Secondary Ash Areas	221.42	4.92	216.50	6.25	215.17
MW-U2	Secondary Ash Areas	248.79	11.9	236.89	7.48	241.31
Lake Blackshear[2]	--	--	--	235.4	--	236.98

Notes:
ft = feet
TOC = Top of casing
MSL = Mean sea level
BTOC = Below top of casing
-- : Not Applicable
[1]: Elevations referenced to the North American Vertical Datum of 1988 (NAVD88).
[2]: Surface water at 12 pm on 2/7/2024 and 4/23/2024.

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

Location	Hydraulic Gradient (2/7/2024)				Groundwater Flow Velocity (2/7/2024)		
	h_1 (ft)	h_2 (ft)	Δl (ft)	Δh/Δl (ft/ft)	K_h(ft/day)	ηe	V (ft/year)[1]
Between MW-U1 (h_1) and MW-D9 (h_2)	236.87	216.50	2,075	0.010	0.41	0.20	7.3
Between MW-D4 (h_1) and MW-D9 (h_2)	235.29	216.50	1,690	0.011	0.41	0.20	8.3
Between Lake Blackshear (h_1) and MW-D3 (h_2)	235.40	227.28	905	0.009	0.41	0.20	6.7
Average	**0.010**				**7.4**		

Location	Hydraulic Gradient (4/23/2024)				Groundwater Flow Velocity (4/23/2024)		
	h_1 (ft)	h_2 (ft)	Δl (ft)	Δh/Δl (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

h1 and h2 = groundwater elevation for upgradient and downgradient location, respectively.

Δh/Δl = hydraulic gradient

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

Δl = distance between upgradient and downgradient 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. Analytical Data Summary – Sampling Performed on 7 February 2024
Crisp County Power Commission
Plant Crisp Secondary Ash Areas

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

Constituent	Unit	MCL[1]	CCR-Rule Specified[4]	MDL[2]	Upgradient Well ID		Downgradient Well ID						
					MW-U1	MW-U2	MW-D4	MW-D5	MW-D6		MW-D7	MW-D8	MW-D9
									MW-D6	DUP-10			
Boron	mg/L	N/A	N/A	0.022	ND	0.029 J B	ND	ND	ND	ND	0.043 J	0.059	0.025 J B
Calcium	mg/L	N/A	N/A	0.14	36	20	46	40	35	36	67	78	52
Chloride	mg/L	N/A	N/A	1.4	2.5	2.2	2.5	7.9	5	4.7	3.6	6.4	2
Fluoride	mg/L	4	N/A	0.022	0.068 J	0.074 J	0.12	0.027 J	0.097 J	0.094 J	0.071 J	0.054 J	0.077 J
Sulfate	mg/L	N/A	N/A	1.4	2.5 J	62	2.3 J	2.8 J	3.5 J	3.5 J	4 J	29	3.0 J
pH[3]	SU	N/A	N/A	--	7.82	7.67	7.6	6.94	7.91	7.91	7.46	7.47	7.73
Total Dissolved Solids	mg/L	N/A	N/A	5.0	96	150	130	170	130	130	200	250	170

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

Constituent	Unit	MCL[1]	CCR-Rule Specified[4]	MDL[2]	Upgradient Well ID		Downgradient Well ID						
					MW-U1	MW-U2	MW-D4	MW-D5	MW-D6		MW-D7	MW-D8	MW-D9
									MW-D6	DUP-10			
Antimony	mg/L	0.006	N/A	0.00034	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	mg/L	0.01	N/A	0.00086	ND	ND	ND	ND	ND	ND	ND	ND	0.00095 J
Barium	mg/L	2	N/A	0.00089	0.0044	0.013	0.025	0.062	0.011	0.0095	0.074	0.059	0.037
Beryllium	mg/L	0.004	N/A	0.0002	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	mg/L	0.005	N/A	0.000078	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	mg/L	0.1[5]	N/A	0.0012	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt	mg/L	N/A	0.006	0.00022	ND	ND	ND	ND	ND	ND	ND	ND	0.00023 J
Fluoride	mg/L	4	N/A	0.022	0.068 J	0.074 J	0.12	0.027 J	0.097 J	0.094 J	0.071 J	0.054 J	0.077 J
Lead	mg/L	0.015[6]	N/A	0.00021	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lithium	mg/L	N/A	0.04	0.002	ND	ND	ND	ND	ND	0.0035	ND	ND	ND
Mercury	mg/L	0.002[7]	N/A	0.00008	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	mg/L	N/A	0.1	0.00086	ND	ND	ND	ND	ND	ND	ND	ND	ND
Radium 226 and 228 Combined	pCi/L	5	N/A	--[8]	-0.00494 U	0.0267 U	0.0490 U	0.649	0.507 U	0.114 U	0.169 U	-0.0244 U	0.146 U
Selenium	mg/L	0.05	N/A	0.00099	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	mg/L	0.002	N/A	0.00026	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

MCL = Maximum Contaminant Level
MDL = Method Detection Limit
mg/L = milligrams per liter.
S.U. = Standard Unit.
pCi/L = picocuries per liter.
ND = the constituent was not detected above the analytical MDL.
NA = the constituent was not analyzed during the monitoring event.
N/A = not applicable for the constituent.
-- '= not applicable
DUP-10 is a duplicate sample collected from MW-D6.
J = concentration is less than the reporting level but greater than or equal to the MDL and the reported concentration is an approximate value.
B = compound was found in blank and sample.
U = Result is less than the sample detection limit.

(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.
(4): 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.
(5): MCL value for total chromium.
(6): Lead Treatment Technology Action Level is 0.015 mg/L.
(7): Value for inorganic mercury.
(8): During the analysis of radium, background concentrations are substracted, thus each sample have a different Minimum Detectable Concentration (MDC). The MDCs were as follows: 0.506 pCi/L for MW-U1, 0.469 pCi/L for MW-U2, 0.491 pCi/L for MW-D4, 0.626 pCi/L for MW-D5, 0.605 pCi/L for MW-D6, 0.593 pCi/L for MW-D7, 0.507 pCi/L for MW-D8, 0.625 pCi/L for MW-D9, and 0.619 pCi/L for DUP-10.

Table 5. Analytical Data Summary – Sampling Performed on 23-24 April 2024
Crisp County Power Commission
Plant Crisp Secondary Ash Areas

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

Constituent	Unit	MCL[1]	CCR-Rule Specified[4]	MDL[2]	Upgradient Well ID		Downgradient Well ID						
					MW-U1	MW-U2	MW-D4	MW-D5	MW-D6	MW-D7	MW-D8		MW-D9
											MW-D8	DUP-11	
Boron	mg/L	N/A	N/A	0.022	ND	ND	0.027 J	0.029 J	0.027 J	0.053	0.062	ND	0.064
Calcium	mg/L	N/A	N/A	0.14	33	12	52	34	40	70	81	58	84
Chloride	mg/L	N/A	N/A	1.4	1.5 J	ND	ND	5.7	3.7	4.2	5.8	1.6 J	5.9
Fluoride	mg/L	4	N/A	0.022	0.050 J	0.041 J	0.16	0.029 J	0.081 J	0.069 J	0.050 J	0.078 J	0.050 J
Sulfate	mg/L	N/A	N/A	1.4	2.3 J	23	1.4 J	3.7 J	4.9 J	8.5	25	ND	24
pH[3]	SU	N/A	N/A	--	7.92	7.37	7.36	6.76	8.04	7.36	7.27	7.27	7.60
Total Dissolved Solids	mg/L	N/A	N/A	5.0	120	58	180	130	120	280	240	160	250

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

Constituent	Unit	MCL[1]	CCR-Rule Specified[4]	MDL[2]	Upgradient Well ID		Downgradient Well ID						
					MW-U1	MW-U2	MW-D4	MW-D5	MW-D6	MW-D7	MW-D8		MW-D9
											MW-D8	DUP-11	
Antimony	mg/L	0.006	N/A	0.00034	ND	ND	0.00042 J B	ND	ND	ND	ND	0.00039 J B	ND
Arsenic	mg/L	0.01	N/A	0.00086	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	mg/L	2	N/A	0.00089	0.0018 J	0.0092	0.018	0.028	0.0084	0.095	0.055	0.042	0.053
Beryllium	mg/L	0.004	N/A	0.0002	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	mg/L	0.005	N/A	0.000078	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	mg/L	0.1[5]	N/A	0.0012	0.0012 J	ND	ND	ND	0.0017 J	ND	ND	ND	ND
Cobalt	mg/L	N/A	0.006	0.00022	ND	ND	ND	ND	ND	0.00080 J	ND	0.00023 J	ND
Fluoride	mg/L	4	N/A	0.022	0.050 J	0.041 J	0.16	0.029 J	0.081 J	0.069 J	0.050 J	0.078 J	0.050 J
Lead	mg/L	0.015[6]	N/A	0.00021	ND	ND	ND	0.0004 J	ND	ND	ND	ND	ND
Lithium	mg/L	N/A	0.04	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	mg/L	0.002[7]	N/A	0.00008	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	mg/L	N/A	0.1	0.00086	ND	ND	ND	ND	ND	ND	ND	ND	ND
Radium 226 and 228 Combined	pCi/L	5	N/A	--[8]	-0.150 U	0.150 U	0.335 U	0.468 U	0.695	0.481	0.691	0.520 U	0.0821 U
Selenium	mg/L	0.05	N/A	0.00099	ND	0.0012 J	ND	ND	ND	ND	ND	ND	ND
Thallium	mg/L	0.002	N/A	0.00026	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

MCL = Maximum Contaminant Level
MDL = Method Detection Limit
mg/L = milligrams per liter.
S.U. = Standard Unit.
pCi/L = picocuries per liter.
ND = the constituent was not detected above the analytical MDL.
NA = the constituent was not analyzed during the monitoring event.
N/A = not applicable for the constituent.
-- '= not applicable
DUP-11 is a duplicate sample collected from MW-D8.
J = concentration is less than the reporting level but greater than or equal to the MDL and the reported concentration is an approximate value.
B = compound was found in blank and sample.
U = Result is less than the sample detection limit.

[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.
[4]: 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.
[5]: MCL value for total chromium.
[6]: Lead Treatment Technology Action Level is 0.015 mg/L.
[7]: Value for inorganic mercury.
[8]: 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, 0.478 pCi/L for MW-U2, 0.446 pCi/L for MW-D4, 0.600 pCi/L for MW-D5, 0.541 pCi/L for MW-D6, 0.465 pCi/L for MW-D7, 0.624 pCi/L for MW-D8, 0.474 pCi/L for MW-D9, and 0.524 pCi/L for DUP-11.

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

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)	42.57	MW-D4. MW-D7, MW-D8, MW-D9
Chloride (mg/L)	9.833	None
Field pH (SU)	<5.07 or >9.43	None
Fluoride (mg/L)	0.45	None
Sulfate (mg/L)	120	None
Total Dissolved Solids (TDS) (mg/L)	183.9	MW-D7, MW-D8, MW-D9

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 wells MW-U1 and MW-U2 between February 2017 and April 2024. The April 2024 concentrations from MW-D4 through MW-D9 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 Secondary Ash Areas

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-D4	11	10	91%	0.00042 JB	<0.005		0.006	0.006
	MW-D5	11	11	100%	<0.0025	<0.005			
	MW-D6	11	11	100%	<0.0025	<0.005			
	MW-D7	11	11	100%	<0.0025	<0.005			
	MW-D8	11	11	100%	<0.0025	<0.005			
	MW-D9	11	11	100%	<0.0025	<0.005			
	MW-U2	11	11	100%	<0.0025	<0.005	0.0025		
	MW-U1	17	17	100%	<0.0005	<0.0025			
Arsenic [mg/L]	MW-D4	11	11	100%	<0.0013	<0.0025		0.01	0.01
	MW-D5	11	11	100%	<0.0013	<0.0025			
	MW-D6	11	11	100%	<0.0013	<0.0025			
	MW-D7	11	11	100%	<0.0013	<0.0025			
	MW-D8	11	11	100%	<0.0013	<0.0025			
	MW-D9	11	6	55%	0.00095 J	<0.0025			
	MW-U2	11	11	100%	<0.0013	<0.0025	0.0025		
	MW-U1	23	19	83%	0.00015 JB	<0.0025			
Barium [mg/L]	MW-D4	11	0	0%	0.018	0.039		2	2
	MW-D5	11	0	0%	0.022	0.062			
	MW-D6	11	0	0%	0.0081	0.012 B			
	MW-D7	11	0	0%	0.074	0.15			
	MW-D8	11	0	0%	0.048 B	0.059			
	MW-D9	11	0	0%	0.037	0.053			
	MW-U2	11	0	0%	0.0092	0.043 B	0.043		
	MW-U1	24	0	0%	0.0018 J	0.0062			
Beryllium [mg/L]	MW-D4	11	11	100%	<0.002	<0.004		0.004	0.004
	MW-D5	11	10	91%	0.00028 J	0.004			
	MW-D6	11	11	100%	<0.002	<0.004			
	MW-D7	11	11	100%	<0.002	<0.004			
	MW-D8	11	11	100%	<0.002	<0.004			
	MW-D9	11	11	100%	<0.002	<0.004			
	MW-U2	11	11	100%	<0.002	<0.004	0.002		
	MW-U1	17	17	100%	<0.0004	<0.0025			
Cadmium [mg/L]	MW-D4	11	11	100%	<0.001	<0.002		0.005	0.005
	MW-D5	11	11	100%	<0.001	<0.002			
	MW-D6	11	11	100%	<0.001	<0.002			
	MW-D7	11	10	91%	0.00086 J	<0.002			
	MW-D8	11	10	91%	<0.001	<0.002			
	MW-D9	11	11	100%	<0.001	<0.002			
	MW-U2	11	10	91%	<0.001	0.002	0.0025		
	MW-U1	18	18	100%	<0.0002	<0.0025			
Chromium [mg/L]	MW-D4	10	8	80%	0.0017 J	0.011		0.1	0.1
	MW-D5	10	8	80%	0.0016 J	0.026			
	MW-D6	10	5	50%	0.001 J	0.039			
	MW-D7	10	9	90%	0.0012 JB	<0.005			
	MW-D8	10	8	80%	0.0018 JB	0.0044 JB			
	MW-D9	10	8	80%	0.0014 JB	0.0049 J			
	MW-U2	10	7	70%	0.0017 J	0.0063	0.0063		
	MW-U1	22	3	14%	0.0011 J	0.0051			
Cobalt [mg/L]	MW-D4	11	9	82%	0.00057 J	<0.005		0.006	0.006
	MW-D5	11	10	91%	0.0024 J	<0.005			
	MW-D6	11	10	91%	0.0021 J	<0.005			
	MW-D7	11	5	45%	0.00067 J	<0.005			
	MW-D8	11	10	91%	0.0021 J	<0.005			
	MW-D9	11	9	82%	0.00023 J	<0.005			
	MW-U2	11	9	82%	0.00068 J	<0.005	0.005		
	MW-U1	22	21	95%	<0.0005	<0.0025			
Fluoride [mg/L]	MW-D4	11	1	9%	0.11	<1.00 H		4	4
	MW-D5	11	8	73%	0.027 J	<1.00 H			
	MW-D6	11	1	9%	0.081 J	<1.00 H			
	MW-D7	11	1	9%	0.069 J	<1.00 H			
	MW-D8	11	7	64%	0.05 J	<1.00 H			
	MW-D9	11	1	9%	0.05 J	<1.00 H			
	MW-U2	11	0	0%	0.041 J	0.45 J	0.45		
	MW-U1	24	3	13%	0.04 J	0.13			
Lead [mg/L]	MW-D4	11	11	100%	<0.0013	<0.0025		0.015	0.0015
	MW-D5	11	9	82%	0.0004 J	<0.0025			
	MW-D6	11	11	100%	<0.0013	<0.0025			
	MW-D7	11	11	100%	<0.0013	<0.0025			
	MW-D8	11	11	100%	<0.0013	<0.0025			
	MW-D9	11	11	100%	<0.0013	<0.0025			
	MW-U2	11	11	100%	<0.0013	<0.0025	0.0025		
	MW-U1	17	16	94%	<0.00025	<0.0013			
Lithium [mg/L]	MW-D4	11	11	100%	<0.0025	<0.005		0.04	0.04
	MW-D5	11	9	82%	<0.0025	0.0067			
	MW-D6	11	10	91%	<0.0025	0.0056			
	MW-D7	11	11	100%	<0.0025	<0.005			
	MW-D8	11	11	100%	<0.0025	<0.005			
	MW-D9	11	10	91%	<0.0025	<0.005			
	MW-U2	11	11	100%	<0.0025	<0.005	0.0058		
	MW-U1	20	18	90%	0.00034 J	0.0058			
Mercury [mg/L]	MW-D4	11	11	100%	<0.0002	<0.0002		0.002	0.002
	MW-D5	11	11	100%	<0.0002	<0.0002			
	MW-D6	11	11	100%	<0.0002	<0.0002			
	MW-D7	11	11	100%	<0.0002	<0.0002			
	MW-D8	11	10	91%	<0.0002	0.00022 B			
	MW-D9	11	9	82%	0.00019 J	0.00022 B			
	MW-U2	11	10	91%	0.00018 JB	<0.0002	0.0002		
	MW-U1	17	16	94%	0.000099 JB	<0.0002			
Molybdenum [mg/L]	MW-D4	11	10	91%	0.0038 J	<0.02		0.10	0.10
	MW-D5	11	10	91%	0.0027 J	<0.02			
	MW-D6	11	10	91%	0.0027 J	<0.02			
	MW-D7	11	10	91%	0.0031 J	<0.02			
	MW-D8	11	9	82%	0.00046 J	<0.02			
	MW-D9	11	9	82%	0.0023 J	<0.02			
	MW-U2	11	10	91%	0.0033 J	<0.02	0.02		
	MW-U1	22	21	95%	0.0011 J	<0.02			
Radium 226 and 228 228 Combined [pCi/L]	MW-D4	11	0	0%	0.049	1.29		5	5
	MW-D5	11	0	0%	0.219	0.807			
	MW-D6	11	0	0%	-0.0527	1.43			
	MW-D7	11	0	0%	-0.0315	1.22			
	MW-D8	11	0	0%	-0.0397	0.773			
	MW-D9	11	0	0%	-0.0298	0.887			
	MW-U2	11	0	0%	0.0267	1.09	1.72		
	MW-U1	24	0	0%	-0.189	1.39			
Selenium [mg/L]	MW-D4	11	8	73%	0.0011 JB	0.0036		0.05	0.05
	MW-D5	11	9	82%	0.001 J	0.0031			
	MW-D6	11	8	73%	0.0011 J	<0.0025			
	MW-D7	11	9	82%	0.001 J	<0.0025			
	MW-D8	11	8	73%	0.00098 JB	0.0034			
	MW-D9	11	8	73%	0.00084 JB	0.0039			
	MW-U2	11	4	36%	0.0011 J	0.0026	0.0026		
	MW-U1	20	13	65%	0.00039	<0.0013			
Thallium [mg/L]	MW-D4	11	11	100%	<0.0005	<0.001		0.002	0.002
	MW-D5	11	11	100%	<0.0005	<0.001			
	MW-D6	11	11	100%	<0.0005	<0.001			
	MW-D7	11	11	100%	<0.0005	<0.001			
	MW-D8	11	11	100%	<0.0005	<0.001			
	MW-D9	11	11	100%	<0.0005	<0.001			
	MW-U2	11	11	100%	<0.0005	<0.001	0.0005		
	MW-U1	21	21	100%	<0.0001	<0.0005			

Notes:
mg/L = milligrams per liter
pCi/L = picocuries per liter
Highlighted cells show the background well (MW-U1 and MW-U2).
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 Secondary Ash Areas

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-D4	0.006	0.0025	No
	MW-D5		ND	No
	MW-D6		ND	No
	MW-D7		ND	No
	MW-D8		ND	No
	MW-D9		ND	No
	MW-U2		Background Well	
	MW-U1			
Arsenic [mg/L]	MW-D4	0.01	ND	No
	MW-D5		ND	No
	MW-D6		ND	No
	MW-D7		ND	No
	MW-D8		ND	No
	MW-D9		ND	No
	MW-U2		Background Well	
	MW-U1			
Barium [mg/L]	MW-D4	2	0.02184	No
	MW-D5		0.025	No
	MW-D6		0.008382	No
	MW-D7		0.0776	No
	MW-D8		0.0515	No
	MW-D9		0.03854	No
	MW-U2		Background Well	
	MW-U1			
Beryllium [mg/L]	MW-D4	0.004	ND	No
	MW-D5		ND	No
	MW-D6		ND	No
	MW-D7		ND	No
	MW-D8		ND	No
	MW-D9		ND	No
	MW-U2		Background Well	
	MW-U1			
Cadmium [mg/L]	MW-D4	0.005	ND	No
	MW-D5		ND	No
	MW-D6		ND	No
	MW-D7		ND	No
	MW-D8		ND	No
	MW-D9		ND	No
	MW-U2		Background Well	
	MW-U1			
Chromium [mg/L]	MW-D4	0.1	ND	No
	MW-D5		ND	No
	MW-D6		0.0013	No
	MW-D7		ND	No
	MW-D8		ND	No
	MW-D9		ND	No
	MW-U2		Background Well	
	MW-U1			
Cobalt [mg/L]	MW-D4	0.006	ND	No
	MW-D5		ND	No
	MW-D6		ND	No
	MW-D7		0.00	No
	MW-D8		ND	No
	MW-D9		ND	No
	MW-U2		Background Well	
	MW-U1			
Fluoride [mg/L]	MW-D4	4	0.12	No
	MW-D5		0.029	No
	MW-D6		0.10	No
	MW-D7		0.07	No
	MW-D8		0.054	No
	MW-D9		0.077	No
	MW-U2		Background Well	
	MW-U1			
Lead [mg/L]	MW-D4	0.015	ND	No
	MW-D5		0.00095	No
	MW-D6		ND	No
	MW-D7		ND	No
	MW-D8		ND	No
	MW-D9		ND	No
	MW-U2		Background Well	
	MW-U1			
Lithium [mg/L]	MW-D4	0.04	ND	No
	MW-D5		ND	No
	MW-D6		ND	No
	MW-D7		ND	No
	MW-D8		ND	No
	MW-D9		ND	No
	MW-U2		Background Well	
	MW-U1			
Mercury [mg/L]	MW-D4	0.002	ND	No
	MW-D5		ND	No
	MW-D6		ND	No
	MW-D7		ND	No
	MW-D8		ND	No
	MW-D9		ND	No
	MW-U2		Background Well	
	MW-U1			
Molybdenum [mg/L]	MW-D4	0.1	ND	No
	MW-D5		ND	No
	MW-D6		ND	No
	MW-D7		ND	No
	MW-D8		ND	No
	MW-D9		ND	No
	MW-U2		Background Well	
	MW-U1			
Radium 226 and 228 228 Combined [pCi/L]	MW-D4	5	0.25	No
	MW-D5		0.344	No
	MW-D6		0.189	No
	MW-D7		0.238	No
	MW-D8		0.1797	No
	MW-D9		0.1392	No
	MW-U2		Background Well	
	MW-U1			
Selenium [mg/L]	MW-D4	0.05	ND	No
	MW-D5		ND	No
	MW-D6		ND	No
	MW-D7		ND	No
	MW-D8		ND	No
	MW-D9		ND	No
	MW-U2		Background Well	
	MW-U1			
Thallium [mg/L]	MW-D4	0.002	ND	No
	MW-D5		ND	No
	MW-D6		ND	No
	MW-D7		ND	No
	MW-D8		ND	No
	MW-D9		ND	No
	MW-U2		Background Well	
	MW-U1			

Notes:
mg/L = milligrams per liter
pCi/L = picocuries per liter
ND = Not Detected
Highlighted cells show the background well (MW-U1 and MW-U2).

FIGURES

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

Legend

- Monitoring Well (Secondary Ash Areas)
- Ash Pond Approximate Boundary
- Secondary Ash Areas Approximate Boundary
- Approximate CCPC Property Boundary

0 250 500 1,000 Feet

Groundwater Monitoring Well Location Map

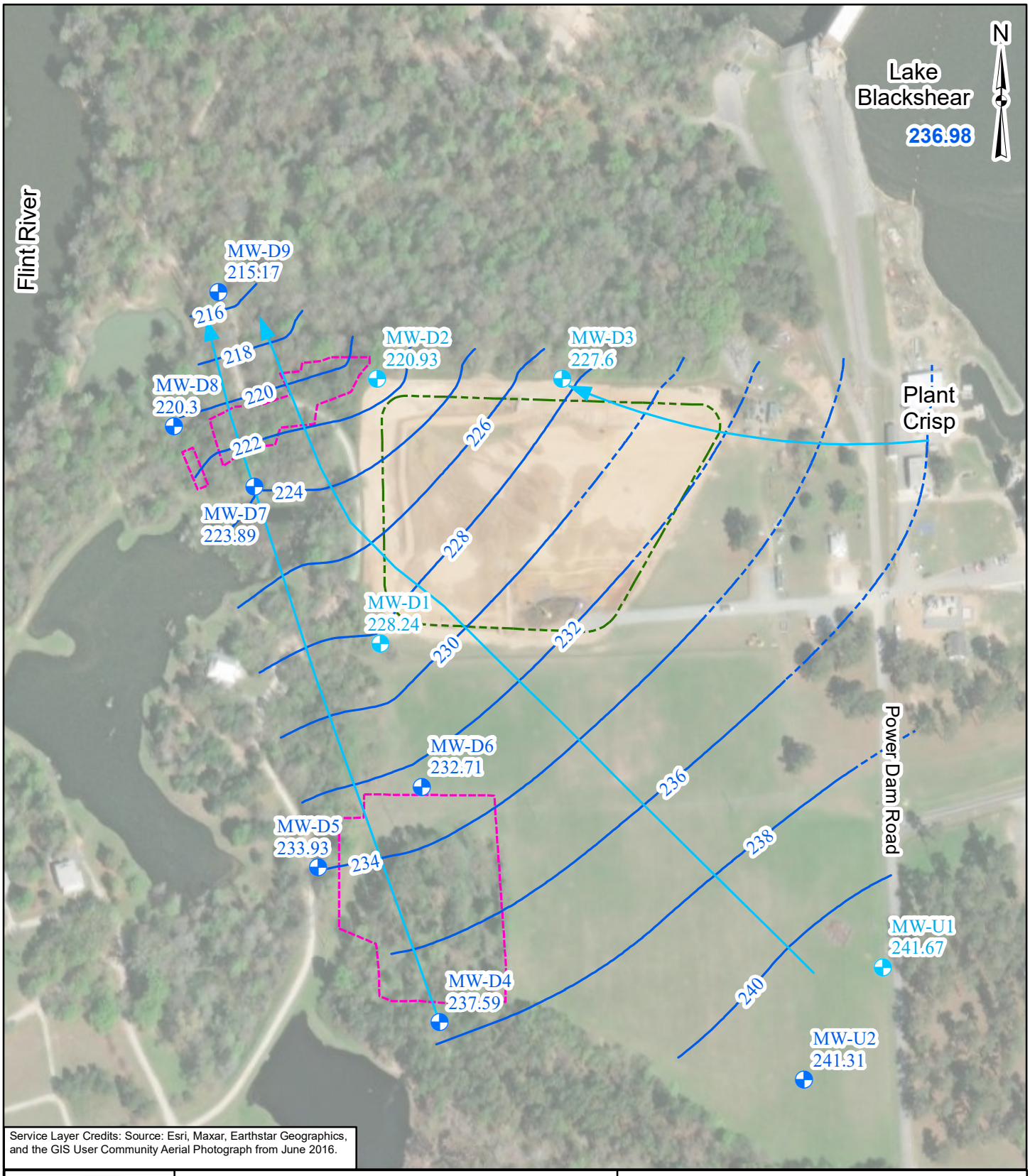
Crisp County Power Commission
Warwick, Georgia

Geosyntec consultants

KENNESAW, GA

DATE:	JULY 2024
PROJECT NO.	GW6152
DOCUMENT NO.	GA240225
FILE NO.	FIGURE 1 GROUNDWATER MONITORING WELL LOCATION MAP.MXD
FIGURE NO.	1

\\Aro-01\prj1$\Crisp County\GIS\MXD\2023\Semi_Annual_Monitoring_Report\GW Monitoring Well Location Map- SAA.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:	2/7/2024		

Well ID	Time	TOC ELevation	Depth to Water (ft BTOC)	Well Depth (ft BTOC)	GW Elevation	Field Observations
MW-U1		249.52	12.65	37.35	236.87	
MW-U2		248.79	11.9	30.96	236.89	
MW-D1		241.77	15.25	22.82	226.52	
MW-D2		232.66	11.79	22.51	220.87	
MW-D3		233.78	6.5	22.72	227.28	
MW-D4		246.51	11.22	29.91	235.29	
MW-D5		241.16	8.72	36.05	232.44	
MW-D6		252.63	22.06	37.49	230.57	
MW-D7		230.18	6.89	27.03	223.29	
MW-D8		226.76	6.87	27.65	219.89	
MW-D9		221.42	4.92	27.31	216.5	

TOC = Top of casing

BTOC = Below top of casing

GROUNDWATER SAMPLING LOG

SITE NAME: CRISP COUNTY POWER COMMISSION	SITE LOCATION: 961 Power Dam Road, Warwick, GA 31796
WELL NO: MW-U1	SAMPLE ID: MW-U1
DATE: 02/07/24	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 12.65	PURGE PUMP TYPE OR BAILER: Peri PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) = (33.75 feet – 12.65 feet) X 0.16 gallons/foot = 3.370 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 28.75	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm) mL/min	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mv)	COLOR (describe)
11:33	1	1	200	12.65	7.69	-	181.10	7.89	0.67	69.5	clear
PT 0556 11:44	1.8	2.8	200	13.06	7.80	19.87	178.59	7.79	1.1	56.9	clear
11:49	1	3.8	200	13.04	7.81	19.93	178.86	7.81	1.26	52.1	clear
11:54	1	4.8	200	13.05	7.87	20.04	177.89	7.75	0.75	50.6	Clear
11:59	1	5.8	200	13.04	7.82	20.15	178.01	7.75	0.81	72.0	clear
12:04	1	6.8	200	13.03	7.85	20.13	177.92	7.71	0.54	71.7	clear
12:09	1			13.02	7.82	20.25	177.53	7.62	0.61	70.6	Clear
sample	MW-U1										

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jacob Tracy / bee	SAMPLER(S) SIGNATURE(S): Jacob Tracy	SAMPLING INITIATED AT: 12:09	SAMPLING ENDED AT: 12:30
PUMP OR TUBING DEPTH IN WELL (feet): 28.75	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	1	HDPE	1.9L	HNO3	----	7.82	9315, 9320, Ra226, Ra228	APP	250
	1	HDPE	1.0L	NONE	----	7.82	SM4500, 2540C	APP	250
	1	HDPE	0.25L	HNO3	----	7.82	6020, 7470A	APP	250

FIELD SAMPLING CONDITIONS:

1. Well Sign Present: ✓ Yes _____ No
2. Well Access: Good
3. Sampling & Purging Equipment Condition: Good
4. Site Condition that may Affect Sampling Present? _____ Yes (describe below) X No

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SESDPROC-301-R4)

pH: ± 0.1 units **Specific Conductance:** ± 5% **Dissolved Oxygen:** 0.2 mg/L or 10% change in saturation (whichever is greater) **Turbidity:** readings ≤ 10 NTU; **ORP:** ± 20 mV.

GROUNDWATER SAMPLING LOG

SITE NAME: CRISP COUNTY POWER COMMISSION	SITE LOCATION: 961 Power Dam Road, Warwick, GA 31796	
WELL NO: MW-42	SAMPLE ID: MW-42	DATE: 2/7/24

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 11.90	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) = (30.96 feet − 11.90 feet) X 0.16 gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 25'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 25'	PURGING INITIATED AT: ~~12:30~~	PURGING ENDED AT: 13:30	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (~~gallons~~ L)	CUMUL. VOLUME PURGED (~~gallons~~ L)	PURGE RATE (~~gpm~~ mL/m)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mv)	COLOR (describe)
8:53 12:41	1.25	3.5	250	13.61	7.69	67.02	248.49	8.16	~~2.53~~	83.5	Clear
5 12:46	1.25	2.25	250	12.58	7.70	67.03	236.20	8.17	~~2.34~~	82.3	
0 12:51	~~1.25~~ 1	~~2.25~~ 1	250	11.9	7.70	66.79	240.25	8.06	~~1.02~~	82.6	
13:55 12:56	1.75	4.75	250	14.04	7.67	66.94	247.27	8.23	1.23	79.3	
14:13 13:01	1.25	6	250	14.43	7.68	66.95	251.54	8.23	0.97	81.1	
15:26 [illegible]	1.25	7.25	250	14.72	7.67	67.03	249.32	8.25	1.41	85.2	
20:26 [illegible]	1.25	8.5	250	14.79	7.66	67.14	247.70	8.26	1.08	~~80.9~~	
21:45	1.25	9.75	250	14.86	7.66	67.19	249.15	8.25	1.25	86.1	
24.16	1.25	11	250	14.92	7.67	67.14	246.09	8.25	1.32	85.8	
					DTW						

WELL CAPACITY (~~Gallons~~ Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Dalton Regley / ecosystec	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: ~~1330~~ 1315	SAMPLING ENDED AT: 1330
PUMP OR TUBING DEPTH IN WELL (feet): 25	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: NA µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	1	HDPE	1.9L	HNO3	----	7.67	9315, 9320, Ra226, Ra228	APP	250
	1	HDPE	1.0L	NONE	----	7.67	SM4500, 2540C	APP	250
	1	HDPE	0.25L	HNO3	----	7.67	6020, 7470A	APP	250

FIELD SAMPLING CONDITIONS:

1. Well Sign Present: ✓ Yes _____ No
2. Well Access: Good
3. Sampling & Purging Equipment Condition: Good
4. Site Condition that may Affect Sampling Present? _____ Yes (describe below) ✓ No

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SESDPROC-301-R4)
pH: ± 0.1 units **Specific Conductance:** ± 5% **Dissolved Oxygen:** 0.2 mg/L or 10% change in saturation (whichever is greater) **Turbidity:** readings ≤ 10 NTU; **ORP:** ± 20 mV.

GROUNDWATER SAMPLING LOG

SITE NAME: CRISP COUNTY POWER COMMISSION	SITE LOCATION: 961 Power Dam Road, Warwick, GA 31796	
WELL NO: MW-D4	SAMPLE ID: MW-D4	DATE: 2/7/24

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 11.22	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) = (29.91 feet – 11.22 feet) X 0.16 gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 25'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 25	PURGING INITIATED AT: 1430	PURGING ENDED AT: 1630	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (~~gallons~~) liters	CUMUL. VOLUME PURGED (~~gallons~~) liters	PURGE RATE (~~gpm~~) mLpm	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°F)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mv)	COLOR (describe)
1445	1	1	250	14.70	7.30	65.30	239.47	4.34	1.27	96.5	Clear
1453	2	3	250	15.28	7.31	65.35	235.22	4.96	0.58	82	
1458	1.25	4.25	250	15.70	7.32	65.53	236.31	4.31	0.73	81.6	
1503	1.25	5.50	250	16.35	7.36	65.67	243.06	3.93	0.47	64.4	
1508	1.25	6.75	250	16.54	7.39	66.10	248.05	3.85	0.39	50.8	
1513	1.25	8	250	16.54	7.43	66.68	246.30	3.39	1.25	48	
1518	1.25	9.25	250	17.11	7.47	67.59	239.45	3.11	0.86	37.4	
1523	1.25	10.50	250	17.32	7.50	67.69	243.55	3.23	0.75	34.7	
1528	1.25	11.75	250	17.50	7.50	67.94	247.26	2.61	0.82	23.6	
1533	1.25	13	250	17.69	7.52	67.99	241.53	3.13	0.59	36.3	

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Dutton Kegley / Geosy	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1605	SAMPLING ENDED AT: 1630
PUMP OR TUBING DEPTH IN WELL (feet): 25	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: NA µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	1	HDPE	1.9L	HNO3	----	7.60	9315, 9320, Ra226, Ra228	APP	250
	1	HDPE	1.0L	NONE	----	7.60	SM4500, 2540C	APP	250
	1	HDPE	0.25L	HNO3	----	7.60	6020, 7470A	APP	250

FIELD SAMPLING CONDITIONS:

1. Well Sign Present: ✓ Yes _____ No
2. Well Access: Good
3. Sampling & Purging Equipment Condition: Good
4. Site Condition that may Affect Sampling Present? _____ Yes (describe below) ✓ No

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SESDPROC-301-R4)

pH: ± 0.1 units **Specific Conductance:** ± 5% **Dissolved Oxygen:** 0.2 mg/L or 10% change in saturation (whichever is greater) **Turbidity:** readings ≤ 10 NTU; **ORP:** ± 20 mV.

GROUNDWATER SAMPLING LOG

SITE NAME: CRISP COUNTY POWER COMMISSION	SITE LOCATION: 961 Power Dam Road, Warwick, GA 31796	
WELL NO: MW-D4	SAMPLE ID: MW-D4	DATE: 2/7/24

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 11.22	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) = (29.91 feet – 11.22 feet) X 0.16 gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 25'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 25	PURGING INITIATED AT: 1430	PURGING ENDED AT: 1630	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED ~~(gallons)~~ L	CUMUL. VOLUME PURGED ~~(gallons)~~ L	PURGE RATE ~~(gpm)~~ mL/min	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°~~F~~ C)	COND. (circle units) µmhos/cm or ~~µS/cm~~	DISSOLVED OXYGEN (circle units) ~~mg/L~~ or % saturation	TURBIDITY (NTUs)	ORP (mv)	COLOR (describe)
1538	1.25	14.25	250	17.82	7.53	68.35	239.68	2.99	30.96	37.7	Clear
1543	1.25	15.50	250	17.86	7.57	68.48	243.30	2.71	1.37	30.5	
1548	1.25	16.75	250	17.89	7.59	68.72	243.14	2.66	2.50	30.0	
1553	1.25	18	250	18.10	7.61	67.78	242.81	3.15	0.95	30.6	
1558	1.25	19.25	250	18.24	7.61	67.48	231.95	3.26	1.02	31.4	
1603	1.25	20.50	250	18.32	7.60	66.99	243.48	3.10	1.09	32.8	
					DK						

WELL CAPACITY ~~(Gallons Per Foot)~~: **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Dalton Kegley/Ecosystec	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1605	SAMPLING ENDED AT: 1630

PUMP OR TUBING DEPTH IN WELL (feet): 25	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	1	HDPE	1.9L	HNO3	----	7.60	9315, 9320, Ra226, Ra228	APP	250
	1	HDPE	1.0L	NONE	----	7.60	SM4500, 2540C	APP	250
	1	HDPE	0.25L	HNO3	----	7.60	6020, 7470A	APP	250

FIELD SAMPLING CONDITIONS:

1. Well Sign Present: ✓ Yes ____ No
2. Well Access: Good
3. Sampling & Purging Equipment Condition: Good
4. Site Condition that may Affect Sampling Present? ____ Yes (describe below) ✓ No

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SESDPROC-301-R4)
pH: ± 0.1 units **Specific Conductance:** ± 5% **Dissolved Oxygen:** 0.2 mg/L or 10% change in saturation (whichever is greater) **Turbidity:** readings ≤ 10 NTU; **ORP:** ± 20 mV.

GROUNDWATER SAMPLING LOG

SITE NAME: CRISP COUNTY POWER COMMISSION	SITE LOCATION: 961 Power Dam Road, Warwick, GA 31796	
WELL NO: MW-D5	SAMPLE ID: MW-D5	DATE: 02/07/24

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 23 feet to 33 feet	STATIC DEPTH TO WATER (feet): 8,72	PURGE PUMP TYPE OR BAILER: Per. PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) = (33 feet – 8,72 feet) X 0.16 gallons/foot = 3.88 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (~~gpm~~ mL/min)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	ORP (mv)	COLOR (describe)
15:23											
15:30	2	2	200	8.72	6.97	18.80	218.55	6.58	2,49	77.0	clear
15:33	1	3	200	9.30	6.98	18.86	224.44	6.60	1.86	55.4	Clear
15:40	1	4	200	9.30	6.96	18.87	193.78	6.56	1.43	62.7	clear
15:43	1	5	200	9.30	6.94	18.87	218.22	6.57	1.12	80.4	clear
15:50	1	6	200	9.30	6.94	18.93	217.89	6.58	1.13	90.9	Clear
15:55	1	7	200	9.30	6.94	18.95	218.54	6.59	0.83	all	Clear
					sample		MW-D5 @		15:55		

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jacob Tracy / GEO	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 15:55	SAMPLING ENDED AT: 16:15
PUMP OR TUBING DEPTH IN WELL (feet): 28	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	1	HDPE	1.9L	HNO3	----	6.94	9315, 9320, Ra226, Ra228	APP	250
	1	HDPE	1.0L	NONE	----	6.94	SM4500, 2540C	APP	250
	1	HDPE	0.25L	HNO3	----	6.94	6020, 7470A	APP	250

FIELD SAMPLING CONDITIONS:

1. Well Sign Present: ✓ Yes _____ No
2. Well Access: Good
3. Sampling & Purging Equipment Condition: Good
4. Site Condition that may Affect Sampling Present? _____ Yes (describe below) X No

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SESDPROC-301-R4)
pH: ± 0.1 units **Specific Conductance:** ± 5% **Dissolved Oxygen:** 0.2 mg/L or 10% change in saturation (whichever is greater) **Turbidity:** readings ≤ 10 NTU; **ORP:** ± 20 mV.

GROUNDWATER SAMPLING LOG

SITE NAME: CRISP COUNTY POWER COMMISSION	SITE LOCATION: 961 Power Dam Road, Warwick, GA 31796	
WELL NO: MW-06	SAMPLE ID: MW-06	DATE: 02/07/24

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 34.25 feet to 24.25 feet	STATIC DEPTH TO WATER (feet): 22.07	PURGE PUMP TYPE OR BAILER: Peri PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) = (34.25 feet – 22.07 feet) X 0.16 gallons/foot = 1.94 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 29.25	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1:10	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm) mL/min	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mv)	COLOR (describe)
13:15	1	1	200	22.07	7.92	20.83	171.93	8.30	3.17	67.2	Clear
13:20	1	2	200	22.07	7.95	20.92	175.96	8.06	3.52	69.3	Clear
13:25	1	3	200	22.07	7.95	20.95	179.75	7.79	4.20	57.2	Clear
13:30	1	4	200	22.07	7.95	20.87	182.06	7.63	5.10	57.7	Clear
13:35	1	5	200	22.07	7.94	20.84	189.72	7.56	3.65	57.5	Clear
13:40	1	6	200	22.07	7.91	20.85	184.6	7.58	2.75	57.6	Clear
SAMPLE		MW-06 DUP	10	@		13:40					

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jacob Tracy / GEC	SAMPLER(S) SIGNATURE(S): Jacob Tracy	SAMPLING INITIATED AT: 13:40	SAMPLING ENDED AT: 13:55
PUMP OR TUBING DEPTH IN WELL (feet): 29.25	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N replaced)	DUPLICATE: (Y) N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	1	HDPE	1.9L	HNO3	----	7.91	9315, 9320, Ra226, Ra228	APP	250
	1	HDPE	1.0L	NONE	----	7.91	SM4500, 2540C	APP	250
	1	HDPE	0.25L	HNO3	----	7.91	6020, 7470A	APP	250

FIELD SAMPLING CONDITIONS:

1. Well Sign Present: _____Yes X No
2. Well Access: Good
3. Sampling & Purging Equipment Condition: Good
4. Site Condition that may Affect Sampling Present? _____Yes (describe below) X No

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SESDPROC-301-R4)
pH: ± 0.1 units **Specific Conductance:** ± 5% **Dissolved Oxygen:** 0.2 mg/L or 10% change in saturation (whichever is greater) **Turbidity:** readings ≤ 10 NTU; **ORP:** ± 20 mV.

GROUNDWATER SAMPLING LOG

SITE NAME: CRISP COUNTY POWER COMMISSION	SITE LOCATION: 961 Power Dam Road, Warwick, GA 31796	
WELL NO: MW-07	SAMPLE ID: MW-07	DATE: 02/08/24

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 24.4 feet to 14.4 feet	STATIC DEPTH TO WATER (feet): 6.89	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) = (24.4 feet − 6.89 feet) X 0.16 gallons/foot = 2.80 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 19.4	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 19.4	PURGING INITIATED AT: 10.30	PURGING ENDED AT: 11.00	TOTAL VOLUME PURGED (gallons): 6

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mv)	COLOR (describe)
10:35	1	1	200	8.18	7.33	18.01	343.93	1.22	0.41	57.0	Clear
10:40	1	2	200	8.91	7.43	18.15	337.87	1.40	1.12	44.0	clear
10:45	1	3	200	9.30	7.45	18.27	339.04	1.15	0.86	41.2	clear
10:50	1	4	200	9.71	7.46	18.47	338.68	1.19	0.36	38.8	Clear
10:55	1	5	200	10.01	7.48	18.60	339.69	0.94	0.43	37.9	Clear
11:00	1	6	200	10.03	7.46	18.72	341.96	1.00	0.51	33.3	Clear
Sample		MW-07 @	11:00								

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jacob Tracy / Geo	SAMPLER(S) SIGNATURE(S): Jacob Tracy	SAMPLING INITIATED AT: 11.00	SAMPLING ENDED AT: 11.40

PUMP OR TUBING DEPTH IN WELL (feet): 19.4	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	1	HDPE	1.9L	HNO3	----	7.46	9315, 9320, Ra226, Ra228	APP	250
	1	HDPE	1.0L	NONE	----	7.46	SM4500, 2540C	APP	250
	1	HDPE	0.25L	HNO3	----	7.46	6020, 7470A	APP	250

FIELD SAMPLING CONDITIONS:

1. Well Sign Present: ____ Yes X No
2. Well Access: Good
3. Sampling & Purging Equipment Condition: Good
4. Site Condition that may Affect Sampling Present? ____ Yes (describe below) X No

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SESDPROC-301-R4)
pH: ± 0.1 units **Specific Conductance:** ± 5% **Dissolved Oxygen:** 0.2 mg/L or 10% change in saturation (whichever is greater) **Turbidity:** readings ≤ 10 NTU; **ORP:** ± 20 mV.

GROUNDWATER SAMPLING LOG

SITE NAME: CRISP COUNTY POWER COMMISSION	SITE LOCATION: 961 Power Dam Road, Warwick, GA 31796	
WELL NO: MW-DB	SAMPLE ID: MW-DB	DATE: 02/08/24

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 15 feet to 25 feet	STATIC DEPTH TO WATER (feet): 6.91	PURGE PUMP TYPE OR BAILER: Peri; PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) = (25 feet – 6.91 feet) X 0.16 gallons/foot = 2.89 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 20	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 20	PURGING INITIATED AT: 12:13	PURGING ENDED AT: 12:38	TOTAL VOLUME PURGED (gallons): 5

TIME	VOLUME PURGED (gallons) L	CUMUL. VOLUME PURGED (gallons) L	PURGE RATE (gpm) mL/min	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mv)	COLOR (describe)
12:18	1	1	200	8.45	7.51	18.20	421.24	1.27	0.79	48.6	clear
12:23	1	2	200	8.81	7.48	17.74	423.14	1.41	0.74	32.5	clear
12:28	1	3	200	9.19	7.48	17.77	425.55	1.51	0.68	29.1	clear
12:33	1	4	200	9.45	7.49	17.77	425.03	1.48	0.60	26.1	Clear
12:38	1	5	200	9.62	7.47	17.78	426.27	1.43	0.63	22.0	Clear
	Begin	Sample	MW-DB	@ 12:38	~~DP reconnected~~						
					delete last electronic			reading, bluetooth issue after 12:38			

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jacob Tracy / Geo	SAMPLER(S) SIGNATURE(S): Jacob Tracy	SAMPLING INITIATED AT: 12:38	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet): 20	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	1	HDPE	1.9L	HNO3	----	7.47	9315, 9320, Ra226, Ra228	APP	250
	1	HDPE	1.0L	NONE	----	7.47	SM4500, 2540C	APP	250
	1	HDPE	0.25L	HNO3	----	7.47	6020, 7470A	APP	250

FIELD SAMPLING CONDITIONS:

1. Well Sign Present: _____Yes X No
2. Well Access: Good
3. Sampling & Purging Equipment Condition: Good
4. Site Condition that may Affect Sampling Present? _____Yes (describe below) X No

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SESDPROC-301-R4)
pH: ± 0.1 units **Specific Conductance:** ± 5% **Dissolved Oxygen:** 0.2 mg/L or 10% change in saturation (whichever is greater) **Turbidity:** readings ≤ 10 NTU; **ORP:** ± 20 mV.

GROUNDWATER SAMPLING LOG

SITE NAME: CRISP COUNTY POWER COMMISSION	SITE LOCATION: 961 Power Dam Road, Warwick, GA 31796	
WELL NO: MW-D9	SAMPLE ID: MW-D9	DATE: 2/8/24

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 17 feet to 27 feet	STATIC DEPTH TO WATER (feet): 5.04	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) = (27.51 feet – 5.04 feet) X 0.16 gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 22'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 22'	PURGING INITIATED AT: 10:30	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED ~~(gallons)~~ L	CUMUL. VOLUME PURGED ~~(gallons)~~ L	PURGE RATE ~~(gpm)~~ mL/Min	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) ~~mg/L~~ or % saturation	TURBIDITY (NTUs)	ORP (mv)	COLOR (describe)
10:40	1	1	250	7.55	7.43	61.01	322.99	2.02	7.82	-13.1	Clear
10:45	1.25	2.50	250	10.55	7.45	60.99	316.21	0.72	5.62	-2.8	
10:50	1.25	3.75	250	11.99	7.47	61.03	323.96	1.30	4.56	-26.9	
10:55	1.25	5	250	13.20	7.49	61.39	322.07	1.40	5.33	-8.1	
11:00	1.25	6.25	250	14.16	7.48	62.13	286.15	2.56	4.59	-23.7	
11:05	1.25	7.50	250	14.64	7.72	62.84	306.86	4.03	4.31	-66.4	
11:10	1.25	8.75	250	15.75	7.54	64.06	324.09	0.54	2.57	-74.3	
11:15	1.25	10	250	16.51	7.53	64.06	324.30	1.00	2.22	-51.5	
11:20	1.25	11.25	250	16.95	7.51	64.14	326.99	0.98	2.04	-87.1	
11:25	1.25	12.50	250	17.15	7.57	64.11	327.34	0.63	2.34	-91.8	

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Dalton Kegley / Geosyntec	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet): 22'	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: NA µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	1	HDPE	1.9L	HNO3	----		9315, 9320, Ra226, Ra228	APP	250
	1	HDPE	1.0L	NONE	----		SM4500, 2540C	APP	250
	1	HDPE	0.25L	HNO3	----		6020, 7470A	APP	250

FIELD SAMPLING CONDITIONS:

1. Well Sign Present: ✓ Yes _____ No
2. Well Access: Good
3. Sampling & Purging Equipment Condition: Good
4. Site Condition that may Affect Sampling Present? _____ Yes (describe below) ✓ No

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SESDPROC-301-R4)
pH: ± 0.1 units **Specific Conductance:** ± 5% **Dissolved Oxygen:** 0.2 mg/L or 10% change in saturation (whichever is greater) **Turbidity:** readings ≤ 10 NTU; **ORP:** ± 20 mV.

GROUNDWATER SAMPLING LOG

SITE NAME: CRISP COUNTY POWER COMMISSION	SITE LOCATION: 961 Power Dam Road, Warwick, GA 31796	
WELL NO: MW-D9	SAMPLE ID: MW-D9	DATE: 2/8/24

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 17 feet to 27 feet	STATIC DEPTH TO WATER (feet): 5.06	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) = (feet – feet) X 0.16 gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 22'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 22'	PURGING INITIATED AT: 10:30	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (~~gallons~~ L)	CUMUL. VOLUME PURGED (~~gallons~~ L)	PURGE RATE (~~gpm~~ mL/min)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°F)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mv)	COLOR (describe)
11:30	1.25	13.75	250	17.15	7.68	63.66	327.09	7.33	2.87	-103.1	Clear
11:35	1.25	15	250	17.13	7.72	63.57	324.63	7.53	2.34	-111.4	"
11:40	1.25	16.25	250	17.14	7.73	63.64	326.40	7.63	1.41	-91.9	"

DJK

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Dalton Kegley / Geosyntec	SAMPLER(S) SIGNATURE(S): DJK	SAMPLING INITIATED AT: 11:45	SAMPLING ENDED AT: 12:00
PUMP OR TUBING DEPTH IN WELL (feet): 22'	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: NA µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	1	HDPE	1.9L	HNO3	----	7.73	9315, 9320, Ra226, Ra228	APP	250
	1	HDPE	1.0L	NONE	----	7.73	SM4500, 2540C	APP	250
	1	HDPE	0.25L	HNO3	----	7.73	6020, 7470A	APP	250

FIELD SAMPLING CONDITIONS:

1. Well Sign Present: ✓ Yes ____ No
2. Well Access: Good
3. Sampling & Purging Equipment Condition: Good
4. Site Condition that may Affect Sampling Present? ____ Yes (describe below) ✓ No

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SESDPROC-301-R4)
pH: ± 0.1 units **Specific Conductance:** ± 5% **Dissolved Oxygen:** 0.2 mg/L or 10% change in saturation (whichever is greater) **Turbidity:** readings ≤ 10 NTU; **ORP:** ± 20 mV.

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	36.99	241.67	
MW-U2		248.79	7.48	30.85	241.31	
MW-D1		241.77	13.53	22.86	228.24	
MW-D2		232.66	11.73	22.6	220.93	
MW-D3		233.78	6.18	22.7	227.6	
MW-D4		246.51	8.92	29.54	237.59	
MW-D5		241.16	7.23	35.85	233.93	
MW-D6		252.63	19.92	37.03	232.71	
MW-D7		230.18	6.29	27.37	223.89	
MW-D8		226.76	6.46	27.86	220.3	
MW-D9		221.42	6.25	27.23	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 12:01:43 PM
Project: CCPC
Operator Name: Tristan H.

Location Name: MW-U2 **Well Diameter: 2 in** **Casing Type: PVC** **Initial Depth to Water: 7.45 ft**	**Pump Type: Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 25.75 ft** **Estimated Total Volume Pumped: 7.4 liters** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 2.05 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884187**

Test Notes:
Appendix III and IV

Weather Conditions:
Sunny, 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 12:01 PM	00:00	6.37 pH	22.75 °C	110.55 µS/cm	8.86 mg/L	0.76 NTU	87.9 mV	8.42 ft	200.00 ml/min
4/23/2024 12:06 PM	05:00	6.89 pH	19.62 °C	112.99 µS/cm	8.99 mg/L	0.71 NTU	67.4 mV	8.73 ft	200.00 ml/min
4/23/2024 12:11 PM	10:00	7.10 pH	19.42 °C	112.32 µS/cm	8.92 mg/L	0.00 NTU	61.9 mV	9.10 ft	200.00 ml/min
4/23/2024 12:16 PM	15:00	7.22 pH	19.34 °C	111.10 µS/cm	8.85 mg/L	0.18 NTU	59.4 mV	9.30 ft	200.00 ml/min
4/23/2024 12:21 PM	20:00	7.30 pH	19.40 °C	109.84 µS/cm	8.80 mg/L	0.05 NTU	58.9 mV	9.40 ft	200.00 ml/min
4/23/2024 12:26 PM	25:00	7.34 pH	19.47 °C	109.14 µS/cm	8.80 mg/L	0.00 NTU	58.0 mV	9.45 ft	200.00 ml/min
4/23/2024 12:31 PM	30:00	7.37 pH	19.47 °C	105.96 µS/cm	8.76 mg/L	0.08 NTU	57.7 mV	9.50 ft	200.00 ml/min

Samples

Sample ID:	Description:
MW-U2-20240423	Grab.

Low-Flow Test Report:

Test Date / Time: 4/24/2024 8:58:14 AM
Project: CCPC
Operator Name: Zain W.

Location Name: MW-D4 **Well Diameter: 2 in** **Casing Type: PVC** **Initial Depth to Water: 8.94 ft**	**Pump Type: Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 22.75 ft** **Estimated Total Volume Pumped: 5.0 liters** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 4.37 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965586**

Test Notes:
Appendix III and IV

Weather Conditions:
Clear, 70 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	
4/24/2024 8:58 AM	00:00	7.35 pH	17.74 °C	254.38 µS/cm	3.22 mg/L	0.49 NTU	81.0 mV	10.43 ft	250.00 ml/min
4/24/2024 9:03 AM	05:00	7.35 pH	17.74 °C	251.17 µS/cm	3.15 mg/L	0.34 NTU	62.1 mV	11.75 ft	250.00 ml/min
4/24/2024 9:08 AM	10:00	7.35 pH	17.78 °C	250.86 µS/cm	3.10 mg/L	0.31 NTU	55.5 mV	12.68 ft	250.00 ml/min
4/24/2024 9:13 AM	15:00	7.36 pH	17.83 °C	249.78 µS/cm	3.08 mg/L	0.26 NTU	51.8 mV	13.31 ft	250.00 ml/min

Samples

Sample ID:	Description:
MW-D4-20240424	Grab.

Low-Flow Test Report:

Test Date / Time: 4/24/2024 8:46:43 AM
Project: CCPC
Operator Name: Tristan H.

Location Name: MW-D5 **Well Diameter: 2 in** **Casing Type: PVC** **Initial Depth to Water: 7.3 ft**	**Pump Type: Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 31.0 ft** **Estimated Total Volume Pumped: 6.6 liters** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.59 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	
4/24/2024 8:46 AM	00:00	6.47 pH	17.42 °C	192.87 µS/cm	6.90 mg/L	2.42 NTU	70.9 mV	7.74 ft	200.00 ml/min
4/24/2024 8:51 AM	05:00	6.67 pH	17.60 °C	192.95 µS/cm	6.61 mg/L	1.67 NTU	83.7 mV	7.86 ft	200.00 ml/min
4/24/2024 8:56 AM	10:00	6.72 pH	17.64 °C	173.70 µS/cm	6.61 mg/L	1.40 NTU	83.9 mV	7.88 ft	200.00 ml/min
4/24/2024 9:01 AM	15:00	6.74 pH	18.06 °C	191.28 µS/cm	6.43 mg/L	0.92 NTU	66.9 mV	7.89 ft	200.00 ml/min
4/24/2024 9:06 AM	20:00	6.75 pH	18.09 °C	192.03 µS/cm	6.49 mg/L	0.78 NTU	65.2 mV	7.89 ft	200.00 ml/min
4/24/2024 9:11 AM	25:00	6.76 pH	17.95 °C	192.69 µS/cm	6.54 mg/L	0.70 NTU	79.4 mV	7.89 ft	200.00 ml/min

Samples

Sample ID:	Description:
MW-D5-20240424	Grab.

Low-Flow Test Report:

Test Date / Time: 4/23/2024 3:30:53 PM
Project: CCPC
Operator Name: Zain W.

Location Name: MW-D6 **Well Diameter: 2 in** **Casing Type: PVC** **Initial Depth to Water: 19.98 ft**	**Pump Type: Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 29.25 ft** **Estimated Total Volume Pumped: 5.0 liters** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min Final Draw Down: 0.42 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 3:30 PM	00:00	7.97 pH	21.81 °C	203.14 µS/cm	7.16 mg/L	0.28 NTU	73.6 mV	20.40 ft	250.00 ml/min
4/23/2024 3:35 PM	05:00	8.03 pH	21.80 °C	202.96 µS/cm	7.12 mg/L	0.13 NTU	64.1 mV	20.40 ft	250.00 ml/min
4/23/2024 3:40 PM	10:00	8.04 pH	21.74 °C	200.62 µS/cm	7.06 mg/L	0.17 NTU	80.5 mV	20.40 ft	250.00 ml/min
4/23/2024 3:45 PM	15:00	8.04 pH	21.75 °C	198.38 µS/cm	7.05 mg/L	0.12 NTU	82.0 mV	20.40 ft	250.00 ml/min

Samples

Sample ID:	Description:
MW-D6-20240423	Grab.

Low-Flow Test Report:

Test Date / Time: 4/24/2024 11:50:01 AM
Project: CCPC
Operator Name: Tristan H.

Location Name: MW-D7 **Well Diameter: 2 in** **Casing Type: PVC** **Initial Depth to Water: 6.35 ft**	**Pump Type: Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 22.4 ft** **Estimated Total Volume Pumped: 4.6 liters** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 3.05 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	
4/24/2024 11:50 AM	00:00	7.35 pH	24.29 °C	349.36 µS/cm	0.49 mg/L	0.03 NTU	17.9 mV	7.45 ft	200.00 ml/min
4/24/2024 11:55 AM	05:00	7.37 pH	20.76 °C	372.09 µS/cm	0.25 mg/L	0.51 NTU	1.9 mV	8.21 ft	200.00 ml/min
4/24/2024 12:00 PM	10:00	7.37 pH	20.47 °C	372.94 µS/cm	0.13 mg/L	0.63 NTU	7.6 mV	8.90 ft	200.00 ml/min
4/24/2024 12:05 PM	15:00	7.36 pH	20.25 °C	374.29 µS/cm	0.08 mg/L	0.00 NTU	-2.9 mV	9.40 ft	200.00 ml/min

Samples

Sample ID:	Description:
MW-D7-20240424	Grab.

Low-Flow Test Report:

Test Date / Time: 4/24/2024 10:23:25 AM
Project: CCPC
Operator Name: Tristan H.

Location Name: MW-D8 **Well Diameter: 2 in** **Casing Type: PVC** **Initial Depth to Water: 6.52 ft**	**Pump Type: Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 23.0 ft** **Estimated Total Volume Pumped: 4.6 liters** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 3.13 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	
4/24/2024 10:23 AM	00:00	7.24 pH	19.53 °C	402.02 µS/cm	0.45 mg/L	3.97 NTU	87.9 mV	7.67 ft	200.00 ml/min
4/24/2024 10:28 AM	05:00	7.27 pH	18.55 °C	408.22 µS/cm	0.25 mg/L	5.05 NTU	48.7 mV	8.68 ft	200.00 ml/min
4/24/2024 10:33 AM	10:00	7.27 pH	18.22 °C	411.68 µS/cm	0.18 mg/L	3.26 NTU	38.6 mV	9.25 ft	200.00 ml/min
4/24/2024 10:38 AM	15:00	7.27 pH	18.23 °C	412.60 µS/cm	0.12 mg/L	3.44 NTU	34.7 mV	9.65 ft	200.00 ml/min

Samples

Sample ID:	Description:
MW-D8-20240424	Grab and DUP-11-20240424.

Low-Flow Test Report:

Test Date / Time: 4/24/2024 10:47:48 AM
Project: CCPC
Operator Name: Zain W.

Location Name: MW-D9 **Well Diameter: 2 in** **Casing Type: PVC** **Initial Depth to Water: 6.27 ft**	**Pump Type: Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 19.8 ft** **Estimated Total Volume Pumped: 2.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min Final Draw Down: 4.87 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965586**

Test Notes:
Appendix III and IV

Weather Conditions:
Clear, 70 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	
4/24/2024 10:47 AM	00:00	7.58 pH	18.21 °C	282.54 µS/cm	0.28 mg/L	0.88 NTU	-83.3 mV	8.31 ft	100.00 ml/min
4/24/2024 10:52 AM	05:00	7.59 pH	17.89 °C	280.68 µS/cm	0.20 mg/L	0.95 NTU	-115.7 mV	8.96 ft	100.00 ml/min
4/24/2024 10:57 AM	10:00	7.60 pH	17.72 °C	280.51 µS/cm	0.17 mg/L	0.63 NTU	-87.4 mV	9.83 ft	100.00 ml/min
4/24/2024 11:02 AM	15:00	7.60 pH	17.68 °C	279.77 µS/cm	0.14 mg/L	0.49 NTU	-89.1 mV	10.58 ft	100.00 ml/min
4/24/2024 11:07 AM	20:00	7.60 pH	17.72 °C	281.14 µS/cm	0.13 mg/L	0.36 NTU	-90.5 mV	11.14 ft	100.00 ml/min

Samples

Sample ID:	Description:
MW-D9-20240424	Grab.

APPENDIX B

Laboratory Analytical Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/25/2024 4:03:09 PM

JOB DESCRIPTION

Crisp County CCR

JOB NUMBER

400-250931-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

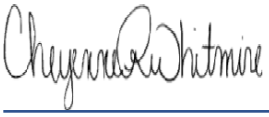
See page two for job notes and contact information.

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

Table of Contents

Job Narrative
400-250931-1

Receipt
The samples were received on 2/9/2024 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.1º C, 1.1º C and 3.5º C.

General Chemistry
Method SM 4500 Cl- E: The following sample was diluted to bring the concentration of target analytes within the calibration range: (400-250997-A-2). Elevated reporting limits (RLs) are provided.

Method SM 4500 Cl- E: The continuing calibration blank (CCB) for analytical batch 400-660563 contained Chloride above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method SM 4500 Cl- E: An analytical batch is defined as up to 20 samples and requires a method blank (MB) and lab control sample (LCS) per batch. The instrument sequence allows for 80 analyses that cannot be parsed into separate batches, therefore multiple MB/LCS are included in the sequence for each set of 20. Since samples for this particular job overlap batches, multiple MB/LCS are reported accordingly. MW-U1-20240207 (400-250931-1) and MW-U2-20240207 (400-250931-2)

Method SM 4500 Cl- E: Due to the high concentration of Chloride, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 400-661997 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-661847 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method SM 4500 SO4 E: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-U2-20240207 (400-250931-2). Elevated reporting limits (RLs) are provided.

Method SM 4500 SO4 E: The continuing calibration verification (CCV) associated with (LCS 400-661847/29) and (MB 400-661847/28) recovered above the upper control limit for Sulfate. The method blank associated with this CCV was non-detect for the affected analyte and the laboratory control sample recovered within acceptance limits; therefore, the data have been reported. There were no reported samples associated with this CCV.

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

Detection Summary

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

Job ID: 400-250931-1

Client Sample ID: MW-U1-20240207 — Lab Sample ID: 400-250931-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0044		0.0025	0.00089	mg/L	1		6020B	Total Recoverable
Calcium	36		0.25	0.14	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	96		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	0.068	J	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	2.5	J	5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	7.82				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-U2-20240207 — Lab Sample ID: 400-250931-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.013		0.0025	0.00089	mg/L	1		6020B	Total Recoverable
Boron	0.029	J B	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	150		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	2.2		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.074	J	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	62		25	7.0	mg/L	5		SM 4500 SO4 E	Total/NA
Field pH	7..67				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-D4-20240207 — Lab Sample ID: 400-250931-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.025		0.0025	0.00089	mg/L	1		6020B	Total Recoverable
Calcium	46		0.25	0.14	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	130		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	0.12		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	7.60				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-D5-20240207 — Lab Sample ID: 400-250931-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.062		0.0025	0.00089	mg/L	1		6020B	Total Recoverable
Calcium	40		0.25	0.14	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	170		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	7.9		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.027	J	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	2.8	J	5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	6.94				SU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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

Job ID: 400-250931-1

Client Sample ID: MW-D6-20240207 — Lab Sample ID: 400-250931-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.011		0.0025	0.00089	mg/L	1		6020B	Total Recoverable
Calcium	35		0.25	0.14	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	130		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	5.0		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.097	J	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	3.5	J	5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	7.91				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-D7-20240208 — Lab Sample ID: 400-250931-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.074		0.0025	0.00089	mg/L	1		6020B	Total Recoverable
Boron	0.043	J	0.050	0.022	mg/L	1		6020B	Total Recoverable
Calcium	67		0.25	0.14	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	200		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	3.6		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.071	J	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	4.0	J	5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	7.46				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-D8-20240208 — Lab Sample ID: 400-250931-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.059		0.0025	0.00089	mg/L	1		6020B	Total Recoverable
Boron	0.059		0.050	0.022	mg/L	1		6020B	Total Recoverable
Calcium	78		0.25	0.14	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	250		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	6.4		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.054	J	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	29		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	7.47				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-D9-20240208 — Lab Sample ID: 400-250931-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00095	J	0.0013	0.00086	mg/L	1		6020B	Total Recoverable
Barium	0.037		0.0025	0.00089	mg/L	1		6020B	Total Recoverable
Boron	0.025	J B	0.050	0.022	mg/L	1		6020B	Total Recoverable
Calcium	52		0.25	0.14	mg/L	1		6020B	Total Recoverable
Cobalt	0.00023	J	0.0025	0.00022	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	170		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	2.0		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.077	J	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

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

Job ID: 400-250931-1

Client Sample ID: MW-D9-20240208 (Continued) — Lab Sample ID: 400-250931-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	3.0	J	5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	7.73				SU	1		Field Sampling	Total/NA

Client Sample ID: DUP-10-20240207 — Lab Sample ID: 400-250931-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0095		0.0025	0.00089	mg/L	1		6020B	Total Recoverable
Calcium	36		0.25	0.14	mg/L	1		6020B	Total Recoverable
Lithium	0.0035		0.0025	0.0020	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	130		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	0.094	J	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	3.5	J	5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA

Client Sample ID: FB-04-20240208 — Lab Sample ID: 400-250931-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0011	J	0.0025	0.00089	mg/L	1		6020B	Total Recoverable

Client Sample ID: EB-05-20240208 — Lab Sample ID: 400-250931-11

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

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

Job ID: 400-250931-1

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 CCR

Job ID: 400-250931-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-250931-1	MW-U1-20240207	Water	02/07/24 12:09	02/09/24 09:40
400-250931-2	MW-U2-20240207	Water	02/07/24 13:15	02/09/24 09:40
400-250931-3	MW-D4-20240207	Water	02/07/24 16:05	02/09/24 09:40
400-250931-4	MW-D5-20240207	Water	02/07/24 15:55	02/09/24 09:40
400-250931-5	MW-D6-20240207	Water	02/07/24 13:40	02/09/24 09:40
400-250931-6	MW-D7-20240208	Water	02/08/24 11:00	02/09/24 09:40
400-250931-7	MW-D8-20240208	Water	02/08/24 12:38	02/09/24 09:40
400-250931-8	MW-D9-20240208	Water	02/08/24 11:45	02/09/24 09:40
400-250931-9	DUP-10-20240207	Water	02/07/24 12:00	02/09/24 09:40
400-250931-10	FB-04-20240208	Water	02/08/24 12:00	02/09/24 09:40
400-250931-11	EB-05-20240208	Water	02/08/24 12:00	02/09/24 09:40

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

Job ID: 400-250931-1

Client Sample ID: MW-U1-20240207

Date Collected: 02/07/24 12:09
Date Received: 02/09/24 09:40

Lab Sample ID: 400-250931-1

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		02/12/24 08:54	02/12/24 18:43	1
Arsenic	ND		0.0013	0.00086	mg/L		02/12/24 08:54	02/12/24 18:43	1
Barium	**0.0044**		0.0025	0.00089	mg/L		02/12/24 08:54	02/12/24 18:43	1
Beryllium	ND		0.0020	0.00020	mg/L		02/12/24 08:54	02/12/24 18:43	1
Boron	ND		0.050	0.022	mg/L		02/12/24 08:54	02/12/24 18:43	1
Cadmium	ND		0.0010	0.000078	mg/L		02/12/24 08:54	02/12/24 18:43	1
Calcium	**36**		0.25	0.14	mg/L		02/12/24 08:54	02/12/24 18:43	1
Chromium	ND		0.0025	0.0012	mg/L		02/12/24 08:54	02/12/24 18:43	1
Cobalt	ND		0.0025	0.00022	mg/L		02/12/24 08:54	02/12/24 18:43	1
Lead	ND		0.0013	0.00021	mg/L		02/12/24 08:54	02/12/24 18:43	1
Lithium	ND		0.0025	0.0020	mg/L		02/12/24 08:54	02/14/24 14:19	1
Molybdenum	ND		0.010	0.00086	mg/L		02/12/24 08:54	02/12/24 18:43	1
Selenium	ND		0.0013	0.00099	mg/L		02/12/24 08:54	02/12/24 18:43	1
Thallium	ND		0.00050	0.00026	mg/L		02/12/24 08:54	02/12/24 18:43	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		02/12/24 09:51	02/12/24 18:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**96**		5.0	5.0	mg/L			02/14/24 10:51	1
Chloride (SM 4500 Cl- E)	**2.5**		2.0	1.4	mg/L			02/12/24 12:16	1
Fluoride (SM 4500 F C)	**0.068**	**J**	0.10	0.022	mg/L			02/14/24 15:53	1
Sulfate (SM 4500 SO4 E)	**2.5**	**J**	5.0	1.4	mg/L			02/12/24 16:56	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.82**				SU			02/07/24 11:09	1

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

Job ID: 400-250931-1

Client Sample ID: MW-U2-20240207

Date Collected: 02/07/24 13:15
Date Received: 02/09/24 09:40

Lab Sample ID: 400-250931-2

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		02/12/24 06:26	02/12/24 16:05	1
Arsenic	ND		0.0013	0.00086	mg/L		02/12/24 06:26	02/12/24 16:05	1
Barium	**0.013**		0.0025	0.00089	mg/L		02/12/24 06:26	02/12/24 16:05	1
Beryllium	ND		0.0020	0.00020	mg/L		02/12/24 06:26	02/12/24 16:05	1
Boron	**0.029**	**J B**	0.050	0.022	mg/L		02/12/24 06:26	02/12/24 16:05	1
Cadmium	ND		0.0010	0.000078	mg/L		02/12/24 06:26	02/12/24 16:05	1
Calcium	**20**		0.25	0.14	mg/L		02/12/24 06:26	02/12/24 16:05	1
Chromium	ND		0.0025	0.0012	mg/L		02/12/24 06:26	02/12/24 16:05	1
Cobalt	ND		0.0025	0.00022	mg/L		02/12/24 06:26	02/12/24 16:05	1
Lead	ND		0.0013	0.00021	mg/L		02/12/24 06:26	02/12/24 16:05	1
Lithium	ND		0.0025	0.0020	mg/L		02/12/24 06:26	02/14/24 13:10	1
Molybdenum	ND		0.010	0.00086	mg/L		02/12/24 06:26	02/12/24 16:05	1
Selenium	ND		0.0013	0.00099	mg/L		02/12/24 06:26	02/12/24 16:05	1
Thallium	ND		0.00050	0.00026	mg/L		02/12/24 06:26	02/12/24 16:05	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		02/12/24 09:51	02/12/24 18:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**150**		5.0	5.0	mg/L			02/14/24 10:51	1
Chloride (SM 4500 Cl- E)	**2.2**		2.0	1.4	mg/L			02/12/24 12:15	1
Fluoride (SM 4500 F C)	**0.074**	**J**	0.10	0.022	mg/L			02/14/24 16:01	1
Sulfate (SM 4500 SO4 E)	**62**		25	7.0	mg/L			02/21/24 13:58	5

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7..67**				SU			02/07/24 12:15	1

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

Job ID: 400-250931-1

Client Sample ID: MW-D4-20240207

Date Collected: 02/07/24 16:05
Date Received: 02/09/24 09:40

Lab Sample ID: 400-250931-3

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		02/12/24 08:54	02/12/24 18:32	1
Arsenic	ND		0.0013	0.00086	mg/L		02/12/24 08:54	02/12/24 18:32	1
Barium	**0.025**		0.0025	0.00089	mg/L		02/12/24 08:54	02/12/24 18:32	1
Beryllium	ND		0.0020	0.00020	mg/L		02/12/24 08:54	02/12/24 18:32	1
Boron	ND		0.050	0.022	mg/L		02/12/24 08:54	02/12/24 18:32	1
Cadmium	ND		0.0010	0.000078	mg/L		02/12/24 08:54	02/12/24 18:32	1
Calcium	**46**		0.25	0.14	mg/L		02/12/24 08:54	02/12/24 18:32	1
Chromium	ND		0.0025	0.0012	mg/L		02/12/24 08:54	02/12/24 18:32	1
Cobalt	ND		0.0025	0.00022	mg/L		02/12/24 08:54	02/12/24 18:32	1
Lead	ND		0.0013	0.00021	mg/L		02/12/24 08:54	02/12/24 18:32	1
Lithium	ND		0.0025	0.0020	mg/L		02/12/24 08:54	02/14/24 14:03	1
Molybdenum	ND		0.010	0.00086	mg/L		02/12/24 08:54	02/12/24 18:32	1
Selenium	ND		0.0013	0.00099	mg/L		02/12/24 08:54	02/12/24 18:32	1
Thallium	ND		0.00050	0.00026	mg/L		02/12/24 08:54	02/12/24 18:32	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		02/12/24 09:51	02/12/24 18:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**130**		5.0	5.0	mg/L			02/14/24 10:51	1
Chloride (SM 4500 Cl- E)	**2.5**		2.0	1.4	mg/L			02/12/24 12:13	1
Fluoride (SM 4500 F C)	**0.12**		0.10	0.022	mg/L			02/14/24 16:04	1
Sulfate (SM 4500 SO4 E)	**2.3**	**J**	5.0	1.4	mg/L			02/12/24 16:57	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.60**				SU			02/07/24 15:05	1

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

Job ID: 400-250931-1

Client Sample ID: MW-D5-20240207

Date Collected: 02/07/24 15:55
Date Received: 02/09/24 09:40

Lab Sample ID: 400-250931-4

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		02/12/24 08:54	02/12/24 18:52	1
Arsenic	ND		0.0013	0.00086	mg/L		02/12/24 08:54	02/12/24 18:52	1
Barium	**0.062**		0.0025	0.00089	mg/L		02/12/24 08:54	02/12/24 18:52	1
Beryllium	ND		0.0020	0.00020	mg/L		02/12/24 08:54	02/12/24 18:52	1
Boron	ND		0.050	0.022	mg/L		02/12/24 08:54	02/12/24 18:52	1
Cadmium	ND		0.0010	0.000078	mg/L		02/12/24 08:54	02/12/24 18:52	1
Calcium	**40**		0.25	0.14	mg/L		02/12/24 08:54	02/12/24 18:52	1
Chromium	ND		0.0025	0.0012	mg/L		02/12/24 08:54	02/12/24 18:52	1
Cobalt	ND		0.0025	0.00022	mg/L		02/12/24 08:54	02/12/24 18:52	1
Lead	ND		0.0013	0.00021	mg/L		02/12/24 08:54	02/12/24 18:52	1
Lithium	ND		0.0025	0.0020	mg/L		02/12/24 08:54	02/14/24 14:32	1
Molybdenum	ND		0.010	0.00086	mg/L		02/12/24 08:54	02/12/24 18:52	1
Selenium	ND		0.0013	0.00099	mg/L		02/12/24 08:54	02/12/24 18:52	1
Thallium	ND		0.00050	0.00026	mg/L		02/12/24 08:54	02/12/24 18:52	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		02/12/24 09:51	02/12/24 18:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**170**		5.0	5.0	mg/L			02/14/24 10:51	1
Chloride (SM 4500 Cl- E)	**7.9**		2.0	1.4	mg/L			02/12/24 12:12	1
Fluoride (SM 4500 F C)	**0.027**	**J**	0.10	0.022	mg/L			02/14/24 16:07	1
Sulfate (SM 4500 SO4 E)	**2.8**	**J**	5.0	1.4	mg/L			02/12/24 16:57	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.94**				SU			02/07/24 14:55	1

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

Job ID: 400-250931-1

Client Sample ID: MW-D6-20240207

Date Collected: 02/07/24 13:40
Date Received: 02/09/24 09:40

Lab Sample ID: 400-250931-5

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		02/12/24 08:54	02/12/24 18:40	1
Arsenic	ND		0.0013	0.00086	mg/L		02/12/24 08:54	02/12/24 18:40	1
Barium	**0.011**		0.0025	0.00089	mg/L		02/12/24 08:54	02/12/24 18:40	1
Beryllium	ND		0.0020	0.00020	mg/L		02/12/24 08:54	02/12/24 18:40	1
Boron	ND		0.050	0.022	mg/L		02/12/24 08:54	02/12/24 18:40	1
Cadmium	ND		0.0010	0.000078	mg/L		02/12/24 08:54	02/12/24 18:40	1
Calcium	**35**		0.25	0.14	mg/L		02/12/24 08:54	02/12/24 18:40	1
Chromium	ND		0.0025	0.0012	mg/L		02/12/24 08:54	02/12/24 18:40	1
Cobalt	ND		0.0025	0.00022	mg/L		02/12/24 08:54	02/12/24 18:40	1
Lead	ND		0.0013	0.00021	mg/L		02/12/24 08:54	02/12/24 18:40	1
Lithium	ND		0.0025	0.0020	mg/L		02/12/24 08:54	02/14/24 14:15	1
Molybdenum	ND		0.010	0.00086	mg/L		02/12/24 08:54	02/12/24 18:40	1
Selenium	ND		0.0013	0.00099	mg/L		02/12/24 08:54	02/12/24 18:40	1
Thallium	ND		0.00050	0.00026	mg/L		02/12/24 08:54	02/12/24 18:40	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		02/12/24 09:51	02/12/24 18:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**130**		5.0	5.0	mg/L			02/14/24 10:51	1
Chloride (SM 4500 Cl- E)	**5.0**		2.0	1.4	mg/L			02/12/24 12:12	1
Fluoride (SM 4500 F C)	**0.097**	**J**	0.10	0.022	mg/L			02/14/24 16:09	1
Sulfate (SM 4500 SO4 E)	**3.5**	**J**	5.0	1.4	mg/L			02/12/24 16:58	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.91**				SU			02/07/24 12:40	1

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

Job ID: 400-250931-1

Client Sample ID: MW-D7-20240208

Date Collected: 02/08/24 11:00
Date Received: 02/09/24 09:40

Lab Sample ID: 400-250931-6

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		02/12/24 08:54	02/12/24 18:37	1
Arsenic	ND		0.0013	0.00086	mg/L		02/12/24 08:54	02/12/24 18:37	1
Barium	**0.074**		0.0025	0.00089	mg/L		02/12/24 08:54	02/12/24 18:37	1
Beryllium	ND		0.0020	0.00020	mg/L		02/12/24 08:54	02/12/24 18:37	1
Boron	**0.043**	**J**	0.050	0.022	mg/L		02/12/24 08:54	02/12/24 18:37	1
Cadmium	ND		0.0010	0.000078	mg/L		02/12/24 08:54	02/12/24 18:37	1
Calcium	**67**		0.25	0.14	mg/L		02/12/24 08:54	02/12/24 18:37	1
Chromium	ND		0.0025	0.0012	mg/L		02/12/24 08:54	02/12/24 18:37	1
Cobalt	ND		0.0025	0.00022	mg/L		02/12/24 08:54	02/12/24 18:37	1
Lead	ND		0.0013	0.00021	mg/L		02/12/24 08:54	02/12/24 18:37	1
Lithium	ND		0.0025	0.0020	mg/L		02/12/24 08:54	02/14/24 14:11	1
Molybdenum	ND		0.010	0.00086	mg/L		02/12/24 08:54	02/12/24 18:37	1
Selenium	ND		0.0013	0.00099	mg/L		02/12/24 08:54	02/12/24 18:37	1
Thallium	ND		0.00050	0.00026	mg/L		02/12/24 08:54	02/12/24 18:37	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		02/12/24 10:35	02/12/24 20:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**200**		5.0	5.0	mg/L			02/14/24 10:51	1
Chloride (SM 4500 Cl- E)	**3.6**		2.0	1.4	mg/L			02/12/24 12:11	1
Fluoride (SM 4500 F C)	**0.071**	**J**	0.10	0.022	mg/L			02/14/24 16:12	1
Sulfate (SM 4500 SO4 E)	**4.0**	**J**	5.0	1.4	mg/L			02/12/24 16:59	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.46**				SU			02/08/24 10:00	1

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

Job ID: 400-250931-1

Client Sample ID: MW-D8-20240208

Date Collected: 02/08/24 12:38
Date Received: 02/09/24 09:40

Lab Sample ID: 400-250931-7

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		02/12/24 08:54	02/12/24 18:23	1
Arsenic	ND		0.0013	0.00086	mg/L		02/12/24 08:54	02/12/24 18:23	1
Barium	**0.059**		0.0025	0.00089	mg/L		02/12/24 08:54	02/12/24 18:23	1
Beryllium	ND		0.0020	0.00020	mg/L		02/12/24 08:54	02/12/24 18:23	1
Boron	**0.059**		0.050	0.022	mg/L		02/12/24 08:54	02/12/24 18:23	1
Cadmium	ND		0.0010	0.000078	mg/L		02/12/24 08:54	02/12/24 18:23	1
Calcium	**78**		0.25	0.14	mg/L		02/12/24 08:54	02/12/24 18:23	1
Chromium	ND		0.0025	0.0012	mg/L		02/12/24 08:54	02/12/24 18:23	1
Cobalt	ND		0.0025	0.00022	mg/L		02/12/24 08:54	02/12/24 18:23	1
Lead	ND		0.0013	0.00021	mg/L		02/12/24 08:54	02/12/24 18:23	1
Lithium	ND		0.0025	0.0020	mg/L		02/12/24 08:54	02/14/24 13:51	1
Molybdenum	ND		0.010	0.00086	mg/L		02/12/24 08:54	02/12/24 18:23	1
Selenium	ND		0.0013	0.00099	mg/L		02/12/24 08:54	02/12/24 18:23	1
Thallium	ND		0.00050	0.00026	mg/L		02/12/24 08:54	02/12/24 18:23	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		02/12/24 11:50	02/12/24 20:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**250**		5.0	5.0	mg/L			02/14/24 10:51	1
Chloride (SM 4500 Cl- E)	**6.4**		2.0	1.4	mg/L			02/12/24 12:11	1
Fluoride (SM 4500 F C)	**0.054**	**J**	0.10	0.022	mg/L			02/14/24 16:15	1
Sulfate (SM 4500 SO4 E)	**29**		5.0	1.4	mg/L			02/12/24 17:00	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.47**				SU			02/08/24 11:38	1

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

Job ID: 400-250931-1

Client Sample ID: MW-D9-20240208

Date Collected: 02/08/24 11:45
Date Received: 02/09/24 09:40

Lab Sample ID: 400-250931-8

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		02/12/24 06:26	02/12/24 16:14	1
Arsenic	**0.00095**	**J**	0.0013	0.00086	mg/L		02/12/24 06:26	02/12/24 16:14	1
Barium	**0.037**		0.0025	0.00089	mg/L		02/12/24 06:26	02/12/24 16:14	1
Beryllium	ND		0.0020	0.00020	mg/L		02/12/24 06:26	02/12/24 16:14	1
Boron	**0.025**	**J B**	0.050	0.022	mg/L		02/12/24 06:26	02/12/24 16:14	1
Cadmium	ND		0.0010	0.000078	mg/L		02/12/24 06:26	02/12/24 16:14	1
Calcium	**52**		0.25	0.14	mg/L		02/12/24 06:26	02/12/24 16:14	1
Chromium	ND		0.0025	0.0012	mg/L		02/12/24 06:26	02/12/24 16:14	1
Cobalt	**0.00023**	**J**	0.0025	0.00022	mg/L		02/12/24 06:26	02/12/24 16:14	1
Lead	ND		0.0013	0.00021	mg/L		02/12/24 06:26	02/12/24 16:14	1
Lithium	ND		0.0025	0.0020	mg/L		02/12/24 06:26	02/14/24 13:23	1
Molybdenum	ND		0.010	0.00086	mg/L		02/12/24 06:26	02/12/24 16:14	1
Selenium	ND		0.0013	0.00099	mg/L		02/12/24 06:26	02/12/24 16:14	1
Thallium	ND		0.00050	0.00026	mg/L		02/12/24 06:26	02/12/24 16:14	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		02/12/24 11:50	02/12/24 20:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**170**		5.0	5.0	mg/L			02/14/24 10:51	1
Chloride (SM 4500 Cl- E)	**2.0**		2.0	1.4	mg/L			02/12/24 12:10	1
Fluoride (SM 4500 F C)	**0.077**	**J**	0.10	0.022	mg/L			02/14/24 16:18	1
Sulfate (SM 4500 SO4 E)	**3.0**	**J**	5.0	1.4	mg/L			02/12/24 17:01	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.73**				SU			02/08/24 10:45	1

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

Job ID: 400-250931-1

Client Sample ID: DUP-10-20240207

Date Collected: 02/07/24 12:00
Date Received: 02/09/24 09:40

Lab Sample ID: 400-250931-9

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		02/12/24 06:26	02/12/24 16:17	1
Arsenic	ND		0.0013	0.00086	mg/L		02/12/24 06:26	02/12/24 16:17	1
Barium	**0.0095**		0.0025	0.00089	mg/L		02/12/24 06:26	02/12/24 16:17	1
Beryllium	ND		0.0020	0.00020	mg/L		02/12/24 06:26	02/12/24 16:17	1
Boron	ND		0.050	0.022	mg/L		02/12/24 06:26	02/12/24 16:17	1
Cadmium	ND		0.0010	0.000078	mg/L		02/12/24 06:26	02/12/24 16:17	1
Calcium	**36**		0.25	0.14	mg/L		02/12/24 06:26	02/12/24 16:17	1
Chromium	ND		0.0025	0.0012	mg/L		02/12/24 06:26	02/12/24 16:17	1
Cobalt	ND		0.0025	0.00022	mg/L		02/12/24 06:26	02/12/24 16:17	1
Lead	ND		0.0013	0.00021	mg/L		02/12/24 06:26	02/12/24 16:17	1
Lithium	**0.0035**		0.0025	0.0020	mg/L		02/12/24 06:26	02/14/24 13:27	1
Molybdenum	ND		0.010	0.00086	mg/L		02/12/24 06:26	02/12/24 16:17	1
Selenium	ND		0.0013	0.00099	mg/L		02/12/24 06:26	02/12/24 16:17	1
Thallium	ND		0.00050	0.00026	mg/L		02/12/24 06:26	02/12/24 16:17	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		02/12/24 11:50	02/12/24 20:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**130**		5.0	5.0	mg/L			02/14/24 10:51	1
Chloride (SM 4500 Cl- E)	**4.7**		2.0	1.4	mg/L			02/12/24 12:10	1
Fluoride (SM 4500 F C)	**0.094**	**J**	0.10	0.022	mg/L			02/14/24 16:20	1
Sulfate (SM 4500 SO4 E)	**3.5**	**J**	5.0	1.4	mg/L			02/12/24 17:01	1

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

Job ID: 400-250931-1

Client Sample ID: FB-04-20240208

Date Collected: 02/08/24 12:00
Date Received: 02/09/24 09:40

Lab Sample ID: 400-250931-10

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		02/12/24 08:54	02/12/24 18:35	1
Arsenic	ND		0.0013	0.00086	mg/L		02/12/24 08:54	02/12/24 18:35	1
Barium	**0.0011**	**J**	0.0025	0.00089	mg/L		02/12/24 08:54	02/12/24 18:35	1
Beryllium	ND		0.0020	0.00020	mg/L		02/12/24 08:54	02/12/24 18:35	1
Boron	ND		0.050	0.022	mg/L		02/12/24 08:54	02/12/24 18:35	1
Cadmium	ND		0.0010	0.000078	mg/L		02/12/24 08:54	02/12/24 18:35	1
Calcium	ND		0.25	0.14	mg/L		02/12/24 08:54	02/12/24 18:35	1
Chromium	ND		0.0025	0.0012	mg/L		02/12/24 08:54	02/12/24 18:35	1
Cobalt	ND		0.0025	0.00022	mg/L		02/12/24 08:54	02/12/24 18:35	1
Lead	ND		0.0013	0.00021	mg/L		02/12/24 08:54	02/12/24 18:35	1
Lithium	ND		0.0025	0.0020	mg/L		02/12/24 08:54	02/14/24 14:07	1
Molybdenum	ND		0.010	0.00086	mg/L		02/12/24 08:54	02/12/24 18:35	1
Selenium	ND		0.0013	0.00099	mg/L		02/12/24 08:54	02/12/24 18:35	1
Thallium	ND		0.00050	0.00026	mg/L		02/12/24 08:54	02/12/24 18:35	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		02/12/24 11:50	02/12/24 20:30	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			02/14/24 10:51	1
Chloride (SM 4500 Cl- E)	ND		2.0	1.4	mg/L			02/12/24 12:09	1
Fluoride (SM 4500 F C)	ND		0.10	0.022	mg/L			02/14/24 16:24	1
Sulfate (SM 4500 SO4 E)	ND		5.0	1.4	mg/L			02/12/24 17:02	1

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

Job ID: 400-250931-1

Client Sample ID: EB-05-20240208

Date Collected: 02/08/24 12:00
Date Received: 02/09/24 09:40

Lab Sample ID: 400-250931-11

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		02/12/24 06:26	02/12/24 16:20	1
Arsenic	ND		0.0013	0.00086	mg/L		02/12/24 06:26	02/12/24 16:20	1
Barium	ND		0.0025	0.00089	mg/L		02/12/24 06:26	02/12/24 16:20	1
Beryllium	ND		0.0020	0.00020	mg/L		02/12/24 06:26	02/12/24 16:20	1
Boron	ND		0.050	0.022	mg/L		02/12/24 06:26	02/12/24 16:20	1
Cadmium	ND		0.0010	0.000078	mg/L		02/12/24 06:26	02/12/24 16:20	1
Calcium	ND		0.25	0.14	mg/L		02/12/24 06:26	02/12/24 16:20	1
Chromium	ND		0.0025	0.0012	mg/L		02/12/24 06:26	02/12/24 16:20	1
Cobalt	ND		0.0025	0.00022	mg/L		02/12/24 06:26	02/12/24 16:20	1
Lead	ND		0.0013	0.00021	mg/L		02/12/24 06:26	02/12/24 16:20	1
Lithium	ND		0.0025	0.0020	mg/L		02/12/24 06:26	02/14/24 13:31	1
Molybdenum	ND		0.010	0.00086	mg/L		02/12/24 06:26	02/12/24 16:20	1
Selenium	ND		0.0013	0.00099	mg/L		02/12/24 06:26	02/12/24 16:20	1
Thallium	ND		0.00050	0.00026	mg/L		02/12/24 06:26	02/12/24 16:20	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		02/12/24 11:50	02/12/24 20:28	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			02/14/24 10:51	1
Chloride (SM 4500 Cl- E)	ND		2.0	1.4	mg/L			02/22/24 15:04	1
Fluoride (SM 4500 F C)	ND		0.10	0.022	mg/L			02/14/24 16:34	1
Sulfate (SM 4500 SO4 E)	ND		5.0	1.4	mg/L			02/13/24 12:13	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.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
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.
F1	MS and/or MSD recovery exceeds control limits.
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 CCR

Job ID: 400-250931-1

Client Sample ID: MW-U1-20240207

Lab Sample ID: 400-250931-1

Date Collected: 02/07/24 12:09

Matrix: Water

Date Received: 02/09/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			822150	RR	EET SAV	02/12/24 08:54
Total Recoverable	Analysis	6020B		1	822791	BWR	EET SAV	02/14/24 14:19
Total Recoverable	Prep	3005A			822150	RR	EET SAV	02/12/24 08:54
Total Recoverable	Analysis	6020B		1	822348	BWR	EET SAV	02/12/24 18:43
Total/NA	Prep	7470A			822191	DW	EET SAV	02/12/24 09:51
Total/NA	Analysis	7470A		1	822424	DW	EET SAV	02/12/24 18:04
Total/NA	Analysis	SM 2540C		1	660990	HA	EET PEN	02/14/24 10:51
Total/NA	Analysis	SM 4500 Cl- E		1	660656	CJK	EET PEN	02/12/24 12:16
Total/NA	Analysis	SM 4500 F C		1	661034	JP	EET PEN	02/14/24 15:53
Total/NA	Analysis	SM 4500 SO4 E		1	660761	CJK	EET PEN	02/12/24 16:56
Total/NA	Analysis	Field Sampling		1	660779	C1H	EET PEN	02/07/24 11:09

Client Sample ID: MW-U2-20240207

Lab Sample ID: 400-250931-2

Date Collected: 02/07/24 13:15

Matrix: Water

Date Received: 02/09/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			822131	RR	EET SAV	02/12/24 06:26
Total Recoverable	Analysis	6020B		1	822791	BWR	EET SAV	02/14/24 13:10
Total Recoverable	Prep	3005A			822131	RR	EET SAV	02/12/24 06:26
Total Recoverable	Analysis	6020B		1	822348	BWR	EET SAV	02/12/24 16:05
Total/NA	Prep	7470A			822191	DW	EET SAV	02/12/24 09:51
Total/NA	Analysis	7470A		1	822424	DW	EET SAV	02/12/24 18:06
Total/NA	Analysis	SM 2540C		1	660990	HA	EET PEN	02/14/24 10:51
Total/NA	Analysis	SM 4500 Cl- E		1	660656	CJK	EET PEN	02/12/24 12:15
Total/NA	Analysis	SM 4500 F C		1	661034	JP	EET PEN	02/14/24 16:01
Total/NA	Analysis	SM 4500 SO4 E		5	661847	CJK	EET PEN	02/21/24 13:58
Total/NA	Analysis	Field Sampling		1	660779	C1H	EET PEN	02/07/24 12:15

Client Sample ID: MW-D4-20240207

Lab Sample ID: 400-250931-3

Date Collected: 02/07/24 16:05

Matrix: Water

Date Received: 02/09/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			822150	RR	EET SAV	02/12/24 08:54
Total Recoverable	Analysis	6020B		1	822791	BWR	EET SAV	02/14/24 14:03
Total Recoverable	Prep	3005A			822150	RR	EET SAV	02/12/24 08:54
Total Recoverable	Analysis	6020B		1	822348	BWR	EET SAV	02/12/24 18:32
Total/NA	Prep	7470A			822191	DW	EET SAV	02/12/24 09:51
Total/NA	Analysis	7470A		1	822424	DW	EET SAV	02/12/24 18:08
Total/NA	Analysis	SM 2540C		1	660990	HA	EET PEN	02/14/24 10:51
Total/NA	Analysis	SM 4500 Cl- E		1	660656	CJK	EET PEN	02/12/24 12:13
Total/NA	Analysis	SM 4500 F C		1	661034	JP	EET PEN	02/14/24 16:04

Lab Chronicle

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

Job ID: 400-250931-1

Client Sample ID: MW-D4-20240207

Lab Sample ID: 400-250931-3

Date Collected: 02/07/24 16:05

Matrix: Water

Date Received: 02/09/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 SO4 E		1	660761	CJK	EET PEN	02/12/24 16:57
Total/NA	Analysis	Field Sampling		1	660779	C1H	EET PEN	02/07/24 15:05

Client Sample ID: MW-D5-20240207

Lab Sample ID: 400-250931-4

Date Collected: 02/07/24 15:55

Matrix: Water

Date Received: 02/09/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			822150	RR	EET SAV	02/12/24 08:54
Total Recoverable	Analysis	6020B		1	822791	BWR	EET SAV	02/14/24 14:32
Total Recoverable	Prep	3005A			822150	RR	EET SAV	02/12/24 08:54
Total Recoverable	Analysis	6020B		1	822348	BWR	EET SAV	02/12/24 18:52
Total/NA	Prep	7470A			822191	DW	EET SAV	02/12/24 09:51
Total/NA	Analysis	7470A		1	822424	DW	EET SAV	02/12/24 18:10
Total/NA	Analysis	SM 2540C		1	660990	HA	EET PEN	02/14/24 10:51
Total/NA	Analysis	SM 4500 Cl- E		1	660656	CJK	EET PEN	02/12/24 12:12
Total/NA	Analysis	SM 4500 F C		1	661034	JP	EET PEN	02/14/24 16:07
Total/NA	Analysis	SM 4500 SO4 E		1	660761	CJK	EET PEN	02/12/24 16:57
Total/NA	Analysis	Field Sampling		1	660779	C1H	EET PEN	02/07/24 14:55

Client Sample ID: MW-D6-20240207

Lab Sample ID: 400-250931-5

Date Collected: 02/07/24 13:40

Matrix: Water

Date Received: 02/09/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			822150	RR	EET SAV	02/12/24 08:54
Total Recoverable	Analysis	6020B		1	822791	BWR	EET SAV	02/14/24 14:15
Total Recoverable	Prep	3005A			822150	RR	EET SAV	02/12/24 08:54
Total Recoverable	Analysis	6020B		1	822348	BWR	EET SAV	02/12/24 18:40
Total/NA	Prep	7470A			822191	DW	EET SAV	02/12/24 09:51
Total/NA	Analysis	7470A		1	822424	DW	EET SAV	02/12/24 18:12
Total/NA	Analysis	SM 2540C		1	660990	HA	EET PEN	02/14/24 10:51
Total/NA	Analysis	SM 4500 Cl- E		1	660656	CJK	EET PEN	02/12/24 12:12
Total/NA	Analysis	SM 4500 F C		1	661034	JP	EET PEN	02/14/24 16:09
Total/NA	Analysis	SM 4500 SO4 E		1	660761	CJK	EET PEN	02/12/24 16:58
Total/NA	Analysis	Field Sampling		1	660779	C1H	EET PEN	02/07/24 12:40

Client Sample ID: MW-D7-20240208

Lab Sample ID: 400-250931-6

Date Collected: 02/08/24 11:00

Matrix: Water

Date Received: 02/09/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			822150	RR	EET SAV	02/12/24 08:54
Total Recoverable	Analysis	6020B		1	822791	BWR	EET SAV	02/14/24 14:11

Lab Chronicle

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

Job ID: 400-250931-1

Client Sample ID: MW-D7-20240208

Lab Sample ID: 400-250931-6

Date Collected: 02/08/24 11:00

Matrix: Water

Date Received: 02/09/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			822150	RR	EET SAV	02/12/24 08:54
Total Recoverable	Analysis	6020B		1	822348	BWR	EET SAV	02/12/24 18:37
Total/NA	Prep	7470A			822212	DW	EET SAV	02/12/24 10:35
Total/NA	Analysis	7470A		1	822424	DW	EET SAV	02/12/24 20:03
Total/NA	Analysis	SM 2540C		1	660990	HA	EET PEN	02/14/24 10:51
Total/NA	Analysis	SM 4500 Cl- E		1	660656	CJK	EET PEN	02/12/24 12:11
Total/NA	Analysis	SM 4500 F C		1	661034	JP	EET PEN	02/14/24 16:12
Total/NA	Analysis	SM 4500 SO4 E		1	660761	CJK	EET PEN	02/12/24 16:59
Total/NA	Analysis	Field Sampling		1	660779	C1H	EET PEN	02/08/24 10:00

Client Sample ID: MW-D8-20240208

Lab Sample ID: 400-250931-7

Date Collected: 02/08/24 12:38

Matrix: Water

Date Received: 02/09/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			822150	RR	EET SAV	02/12/24 08:54
Total Recoverable	Analysis	6020B		1	822791	BWR	EET SAV	02/14/24 13:51
Total Recoverable	Prep	3005A			822150	RR	EET SAV	02/12/24 08:54
Total Recoverable	Analysis	6020B		1	822348	BWR	EET SAV	02/12/24 18:23
Total/NA	Prep	7470A			822236	DW	EET SAV	02/12/24 11:50
Total/NA	Analysis	7470A		1	822424	DW	EET SAV	02/12/24 20:14
Total/NA	Analysis	SM 2540C		1	660990	HA	EET PEN	02/14/24 10:51
Total/NA	Analysis	SM 4500 Cl- E		1	660656	CJK	EET PEN	02/12/24 12:11
Total/NA	Analysis	SM 4500 F C		1	661034	JP	EET PEN	02/14/24 16:15
Total/NA	Analysis	SM 4500 SO4 E		1	660761	CJK	EET PEN	02/12/24 17:00
Total/NA	Analysis	Field Sampling		1	660779	C1H	EET PEN	02/08/24 11:38

Client Sample ID: MW-D9-20240208

Lab Sample ID: 400-250931-8

Date Collected: 02/08/24 11:45

Matrix: Water

Date Received: 02/09/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			822131	RR	EET SAV	02/12/24 06:26
Total Recoverable	Analysis	6020B		1	822791	BWR	EET SAV	02/14/24 13:23
Total Recoverable	Prep	3005A			822131	RR	EET SAV	02/12/24 06:26
Total Recoverable	Analysis	6020B		1	822348	BWR	EET SAV	02/12/24 16:14
Total/NA	Prep	7470A			822236	DW	EET SAV	02/12/24 11:50
Total/NA	Analysis	7470A		1	822424	DW	EET SAV	02/12/24 20:26
Total/NA	Analysis	SM 2540C		1	660990	HA	EET PEN	02/14/24 10:51
Total/NA	Analysis	SM 4500 Cl- E		1	660656	CJK	EET PEN	02/12/24 12:10
Total/NA	Analysis	SM 4500 F C		1	661034	JP	EET PEN	02/14/24 16:18
Total/NA	Analysis	SM 4500 SO4 E		1	660761	CJK	EET PEN	02/12/24 17:01
Total/NA	Analysis	Field Sampling		1	660779	C1H	EET PEN	02/08/24 10:45

Client Sample ID: DUP-10-20240207

Lab Sample ID: 400-250931-9

Date Collected: 02/07/24 12:00

Matrix: Water

Date Received: 02/09/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			822131	RR	EET SAV	02/12/24 06:26
Total Recoverable	Analysis	6020B		1	822791	BWR	EET SAV	02/14/24 13:27
Total Recoverable	Prep	3005A			822131	RR	EET SAV	02/12/24 06:26
Total Recoverable	Analysis	6020B		1	822348	BWR	EET SAV	02/12/24 16:17
Total/NA	Prep	7470A			822236	DW	EET SAV	02/12/24 11:50
Total/NA	Analysis	7470A		1	822424	DW	EET SAV	02/12/24 20:24
Total/NA	Analysis	SM 2540C		1	660990	HA	EET PEN	02/14/24 10:51
Total/NA	Analysis	SM 4500 Cl- E		1	660656	CJK	EET PEN	02/12/24 12:10
Total/NA	Analysis	SM 4500 F C		1	661034	JP	EET PEN	02/14/24 16:20
Total/NA	Analysis	SM 4500 SO4 E		1	660761	CJK	EET PEN	02/12/24 17:01

Client Sample ID: FB-04-20240208

Lab Sample ID: 400-250931-10

Date Collected: 02/08/24 12:00

Matrix: Water

Date Received: 02/09/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			822150	RR	EET SAV	02/12/24 08:54
Total Recoverable	Analysis	6020B		1	822791	BWR	EET SAV	02/14/24 14:07
Total Recoverable	Prep	3005A			822150	RR	EET SAV	02/12/24 08:54
Total Recoverable	Analysis	6020B		1	822348	BWR	EET SAV	02/12/24 18:35
Total/NA	Prep	7470A			822236	DW	EET SAV	02/12/24 11:50
Total/NA	Analysis	7470A		1	822424	DW	EET SAV	02/12/24 20:30
Total/NA	Analysis	SM 2540C		1	660990	HA	EET PEN	02/14/24 10:51
Total/NA	Analysis	SM 4500 Cl- E		1	660656	CJK	EET PEN	02/12/24 12:09
Total/NA	Analysis	SM 4500 F C		1	661034	JP	EET PEN	02/14/24 16:24
Total/NA	Analysis	SM 4500 SO4 E		1	660761	CJK	EET PEN	02/12/24 17:02

Client Sample ID: EB-05-20240208

Lab Sample ID: 400-250931-11

Date Collected: 02/08/24 12:00

Matrix: Water

Date Received: 02/09/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			822131	RR	EET SAV	02/12/24 06:26
Total Recoverable	Analysis	6020B		1	822791	BWR	EET SAV	02/14/24 13:31
Total Recoverable	Prep	3005A			822131	RR	EET SAV	02/12/24 06:26
Total Recoverable	Analysis	6020B		1	822348	BWR	EET SAV	02/12/24 16:20
Total/NA	Prep	7470A			822236	DW	EET SAV	02/12/24 11:50
Total/NA	Analysis	7470A		1	822424	DW	EET SAV	02/12/24 20:28
Total/NA	Analysis	SM 2540C		1	660990	HA	EET PEN	02/14/24 10:51
Total/NA	Analysis	SM 4500 Cl- E		1	661997	CJK	EET PEN	02/22/24 15:04
Total/NA	Analysis	SM 4500 F C		1	661034	JP	EET PEN	02/14/24 16:34
Total/NA	Analysis	SM 4500 SO4 E		1	660872	CJK	EET PEN	02/13/24 12:13

Lab Chronicle

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

Job ID: 400-250931-1

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: 822131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-250931-2	MW-U2-20240207	Total Recoverable	Water	3005A	
400-250931-8	MW-D9-20240208	Total Recoverable	Water	3005A	
400-250931-9	DUP-10-20240207	Total Recoverable	Water	3005A	
400-250931-11	EB-05-20240208	Total Recoverable	Water	3005A	
MB 680-822131/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-822131/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
400-250931-2 MS	MW-U2-20240207	Total Recoverable	Water	3005A	
400-250931-2 MSD	MW-U2-20240207	Total Recoverable	Water	3005A	

Prep Batch: 822150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-250931-1	MW-U1-20240207	Total Recoverable	Water	3005A	
400-250931-3	MW-D4-20240207	Total Recoverable	Water	3005A	
400-250931-4	MW-D5-20240207	Total Recoverable	Water	3005A	
400-250931-5	MW-D6-20240207	Total Recoverable	Water	3005A	
400-250931-6	MW-D7-20240208	Total Recoverable	Water	3005A	
400-250931-7	MW-D8-20240208	Total Recoverable	Water	3005A	
400-250931-10	FB-04-20240208	Total Recoverable	Water	3005A	
MB 680-822150/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-822150/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
400-250931-7 MS	MW-D8-20240208	Total Recoverable	Water	3005A	
400-250931-7 MSD	MW-D8-20240208	Total Recoverable	Water	3005A	

Prep Batch: 822191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-250931-1	MW-U1-20240207	Total/NA	Water	7470A	
400-250931-2	MW-U2-20240207	Total/NA	Water	7470A	
400-250931-3	MW-D4-20240207	Total/NA	Water	7470A	
400-250931-4	MW-D5-20240207	Total/NA	Water	7470A	
400-250931-5	MW-D6-20240207	Total/NA	Water	7470A	
MB 680-822191/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-822191/2-A	Lab Control Sample	Total/NA	Water	7470A	
400-250330-E-20-H MS	Matrix Spike	Total/NA	Water	7470A	
400-250330-E-20-I MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Prep Batch: 822212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-250931-6	MW-D7-20240208	Total/NA	Water	7470A	
MB 680-822212/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-822212/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-246538-H-1-H MS	Matrix Spike	Total/NA	Water	7470A	
680-246538-H-1-I MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Prep Batch: 822236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-250931-7	MW-D8-20240208	Total/NA	Water	7470A	
400-250931-8	MW-D9-20240208	Total/NA	Water	7470A	
400-250931-9	DUP-10-20240207	Total/NA	Water	7470A	
400-250931-10	FB-04-20240208	Total/NA	Water	7470A	
400-250931-11	EB-05-20240208	Total/NA	Water	7470A	
MB 680-822236/1-A	Method Blank	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 822236 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-822236/2-A	Lab Control Sample	Total/NA	Water	7470A	
400-250931-7 MS	MW-D8-20240208	Total/NA	Water	7470A	
400-250931-7 MSD	MW-D8-20240208	Total/NA	Water	7470A	

Analysis Batch: 822348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-250931-1	MW-U1-20240207	Total Recoverable	Water	6020B	822150
400-250931-2	MW-U2-20240207	Total Recoverable	Water	6020B	822131
400-250931-3	MW-D4-20240207	Total Recoverable	Water	6020B	822150
400-250931-4	MW-D5-20240207	Total Recoverable	Water	6020B	822150
400-250931-5	MW-D6-20240207	Total Recoverable	Water	6020B	822150
400-250931-6	MW-D7-20240208	Total Recoverable	Water	6020B	822150
400-250931-7	MW-D8-20240208	Total Recoverable	Water	6020B	822150
400-250931-8	MW-D9-20240208	Total Recoverable	Water	6020B	822131
400-250931-9	DUP-10-20240207	Total Recoverable	Water	6020B	822131
400-250931-10	FB-04-20240208	Total Recoverable	Water	6020B	822150
400-250931-11	EB-05-20240208	Total Recoverable	Water	6020B	822131
MB 680-822131/1-A	Method Blank	Total Recoverable	Water	6020B	822131
MB 680-822150/1-A	Method Blank	Total Recoverable	Water	6020B	822150
LCS 680-822131/2-A	Lab Control Sample	Total Recoverable	Water	6020B	822131
LCS 680-822150/2-A	Lab Control Sample	Total Recoverable	Water	6020B	822150
400-250931-2 MS	MW-U2-20240207	Total Recoverable	Water	6020B	822131
400-250931-2 MSD	MW-U2-20240207	Total Recoverable	Water	6020B	822131
400-250931-7 MS	MW-D8-20240208	Total Recoverable	Water	6020B	822150
400-250931-7 MSD	MW-D8-20240208	Total Recoverable	Water	6020B	822150

Analysis Batch: 822424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-250931-1	MW-U1-20240207	Total/NA	Water	7470A	822191
400-250931-2	MW-U2-20240207	Total/NA	Water	7470A	822191
400-250931-3	MW-D4-20240207	Total/NA	Water	7470A	822191
400-250931-4	MW-D5-20240207	Total/NA	Water	7470A	822191
400-250931-5	MW-D6-20240207	Total/NA	Water	7470A	822191
400-250931-6	MW-D7-20240208	Total/NA	Water	7470A	822212
400-250931-7	MW-D8-20240208	Total/NA	Water	7470A	822236
400-250931-8	MW-D9-20240208	Total/NA	Water	7470A	822236
400-250931-9	DUP-10-20240207	Total/NA	Water	7470A	822236
400-250931-10	FB-04-20240208	Total/NA	Water	7470A	822236
400-250931-11	EB-05-20240208	Total/NA	Water	7470A	822236
MB 680-822191/1-A	Method Blank	Total/NA	Water	7470A	822191
MB 680-822212/1-A	Method Blank	Total/NA	Water	7470A	822212
MB 680-822236/1-A	Method Blank	Total/NA	Water	7470A	822236
LCS 680-822191/2-A	Lab Control Sample	Total/NA	Water	7470A	822191
LCS 680-822212/2-A	Lab Control Sample	Total/NA	Water	7470A	822212
LCS 680-822236/2-A	Lab Control Sample	Total/NA	Water	7470A	822236
400-250330-E-20-H MS	Matrix Spike	Total/NA	Water	7470A	822191
400-250330-E-20-I MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	822191
400-250931-7 MS	MW-D8-20240208	Total/NA	Water	7470A	822236
400-250931-7 MSD	MW-D8-20240208	Total/NA	Water	7470A	822236
680-246538-H-1-H MS	Matrix Spike	Total/NA	Water	7470A	822212
680-246538-H-1-I MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	822212

Metals

Analysis Batch: 822791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-250931-1	MW-U1-20240207	Total Recoverable	Water	6020B	822150
400-250931-2	MW-U2-20240207	Total Recoverable	Water	6020B	822131
400-250931-3	MW-D4-20240207	Total Recoverable	Water	6020B	822150
400-250931-4	MW-D5-20240207	Total Recoverable	Water	6020B	822150
400-250931-5	MW-D6-20240207	Total Recoverable	Water	6020B	822150
400-250931-6	MW-D7-20240208	Total Recoverable	Water	6020B	822150
400-250931-7	MW-D8-20240208	Total Recoverable	Water	6020B	822150
400-250931-8	MW-D9-20240208	Total Recoverable	Water	6020B	822131
400-250931-9	DUP-10-20240207	Total Recoverable	Water	6020B	822131
400-250931-10	FB-04-20240208	Total Recoverable	Water	6020B	822150
400-250931-11	EB-05-20240208	Total Recoverable	Water	6020B	822131
MB 680-822131/1-A	Method Blank	Total Recoverable	Water	6020B	822131
MB 680-822150/1-A	Method Blank	Total Recoverable	Water	6020B	822150
LCS 680-822131/2-A	Lab Control Sample	Total Recoverable	Water	6020B	822131
LCS 680-822150/2-A	Lab Control Sample	Total Recoverable	Water	6020B	822150
400-250931-2 MS	MW-U2-20240207	Total Recoverable	Water	6020B	822131
400-250931-2 MSD	MW-U2-20240207	Total Recoverable	Water	6020B	822131
400-250931-7 MS	MW-D8-20240208	Total Recoverable	Water	6020B	822150
400-250931-7 MSD	MW-D8-20240208	Total Recoverable	Water	6020B	822150

General Chemistry

Analysis Batch: 660656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-250931-1	MW-U1-20240207	Total/NA	Water	SM 4500 Cl- E	
400-250931-2	MW-U2-20240207	Total/NA	Water	SM 4500 Cl- E	
400-250931-3	MW-D4-20240207	Total/NA	Water	SM 4500 Cl- E	
400-250931-4	MW-D5-20240207	Total/NA	Water	SM 4500 Cl- E	
400-250931-5	MW-D6-20240207	Total/NA	Water	SM 4500 Cl- E	
400-250931-6	MW-D7-20240208	Total/NA	Water	SM 4500 Cl- E	
400-250931-7	MW-D8-20240208	Total/NA	Water	SM 4500 Cl- E	
400-250931-8	MW-D9-20240208	Total/NA	Water	SM 4500 Cl- E	
400-250931-9	DUP-10-20240207	Total/NA	Water	SM 4500 Cl- E	
400-250931-10	FB-04-20240208	Total/NA	Water	SM 4500 Cl- E	
MB 400-660656/36	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 400-660656/5	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-660656/37	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCS 400-660656/6	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-660656/7	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-250931-2 MS	MW-U2-20240207	Total/NA	Water	SM 4500 Cl- E	
400-250931-2 MSD	MW-U2-20240207	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 660761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-250931-1	MW-U1-20240207	Total/NA	Water	SM 4500 SO4 E	
400-250931-3	MW-D4-20240207	Total/NA	Water	SM 4500 SO4 E	
400-250931-4	MW-D5-20240207	Total/NA	Water	SM 4500 SO4 E	
400-250931-5	MW-D6-20240207	Total/NA	Water	SM 4500 SO4 E	
400-250931-6	MW-D7-20240208	Total/NA	Water	SM 4500 SO4 E	
400-250931-7	MW-D8-20240208	Total/NA	Water	SM 4500 SO4 E	
400-250931-8	MW-D9-20240208	Total/NA	Water	SM 4500 SO4 E	

General Chemistry (Continued)

Analysis Batch: 660761 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-250931-9	DUP-10-20240207	Total/NA	Water	SM 4500 SO4 E	
400-250931-10	FB-04-20240208	Total/NA	Water	SM 4500 SO4 E	
MB 400-660761/23	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-660761/24	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-660761/25	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-250931-6 MS	MW-D7-20240208	Total/NA	Water	SM 4500 SO4 E	
400-250931-6 MSD	MW-D7-20240208	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 660872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-250931-11	EB-05-20240208	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 660990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-250931-1	MW-U1-20240207	Total/NA	Water	SM 2540C	
400-250931-2	MW-U2-20240207	Total/NA	Water	SM 2540C	
400-250931-3	MW-D4-20240207	Total/NA	Water	SM 2540C	
400-250931-4	MW-D5-20240207	Total/NA	Water	SM 2540C	
400-250931-5	MW-D6-20240207	Total/NA	Water	SM 2540C	
400-250931-6	MW-D7-20240208	Total/NA	Water	SM 2540C	
400-250931-7	MW-D8-20240208	Total/NA	Water	SM 2540C	
400-250931-8	MW-D9-20240208	Total/NA	Water	SM 2540C	
400-250931-9	DUP-10-20240207	Total/NA	Water	SM 2540C	
400-250931-10	FB-04-20240208	Total/NA	Water	SM 2540C	
400-250931-11	EB-05-20240208	Total/NA	Water	SM 2540C	
MB 400-660990/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-660990/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-250931-1 DU	MW-U1-20240207	Total/NA	Water	SM 2540C	

Analysis Batch: 661034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-250931-1	MW-U1-20240207	Total/NA	Water	SM 4500 F C	
400-250931-2	MW-U2-20240207	Total/NA	Water	SM 4500 F C	
400-250931-3	MW-D4-20240207	Total/NA	Water	SM 4500 F C	
400-250931-4	MW-D5-20240207	Total/NA	Water	SM 4500 F C	
400-250931-5	MW-D6-20240207	Total/NA	Water	SM 4500 F C	
400-250931-6	MW-D7-20240208	Total/NA	Water	SM 4500 F C	
400-250931-7	MW-D8-20240208	Total/NA	Water	SM 4500 F C	
400-250931-8	MW-D9-20240208	Total/NA	Water	SM 4500 F C	
400-250931-9	DUP-10-20240207	Total/NA	Water	SM 4500 F C	
400-250931-10	FB-04-20240208	Total/NA	Water	SM 4500 F C	
400-250931-11	EB-05-20240208	Total/NA	Water	SM 4500 F C	
MB 400-661034/9	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-661034/11	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MRL 400-661034/10	Lab Control Sample	Total/NA	Water	SM 4500 F C	
400-250931-1 MS	MW-U1-20240207	Total/NA	Water	SM 4500 F C	
400-250931-1 MSD	MW-U1-20240207	Total/NA	Water	SM 4500 F C	
400-250931-11 DU	EB-05-20240208	Total/NA	Water	SM 4500 F C	

QC Association Summary

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

Job ID: 400-250931-1

General Chemistry

Analysis Batch: 661847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-250931-2	MW-U2-20240207	Total/NA	Water	SM 4500 SO4 E	
MB 400-661847/28	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-661847/29	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-661847/30	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-251202-C-2 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
400-251202-C-2 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 661997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-250931-11	EB-05-20240208	Total/NA	Water	SM 4500 Cl- E	
MB 400-661997/13	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-661997/14	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-661997/105	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-251314-B-1 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- E	
400-251314-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- E	

Field Service / Mobile Lab

Analysis Batch: 660779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-250931-1	MW-U1-20240207	Total/NA	Water	Field Sampling	
400-250931-2	MW-U2-20240207	Total/NA	Water	Field Sampling	
400-250931-3	MW-D4-20240207	Total/NA	Water	Field Sampling	
400-250931-4	MW-D5-20240207	Total/NA	Water	Field Sampling	
400-250931-5	MW-D6-20240207	Total/NA	Water	Field Sampling	
400-250931-6	MW-D7-20240208	Total/NA	Water	Field Sampling	
400-250931-7	MW-D8-20240208	Total/NA	Water	Field Sampling	
400-250931-8	MW-D9-20240208	Total/NA	Water	Field Sampling	

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-822131/1-A
Matrix: Water
Analysis Batch: 822348

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 822131

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0025	0.00034	mg/L		02/12/24 06:26	02/12/24 16:00	1
Arsenic	ND		0.0013	0.00086	mg/L		02/12/24 06:26	02/12/24 16:00	1
Barium	ND		0.0025	0.00089	mg/L		02/12/24 06:26	02/12/24 16:00	1
Beryllium	ND		0.0020	0.00020	mg/L		02/12/24 06:26	02/12/24 16:00	1
Boron	0.0226	J	0.050	0.022	mg/L		02/12/24 06:26	02/12/24 16:00	1
Cadmium	ND		0.0010	0.000078	mg/L		02/12/24 06:26	02/12/24 16:00	1
Calcium	ND		0.25	0.14	mg/L		02/12/24 06:26	02/12/24 16:00	1
Chromium	ND		0.0025	0.0012	mg/L		02/12/24 06:26	02/12/24 16:00	1
Cobalt	ND		0.0025	0.00022	mg/L		02/12/24 06:26	02/12/24 16:00	1
Lead	ND		0.0013	0.00021	mg/L		02/12/24 06:26	02/12/24 16:00	1
Molybdenum	ND		0.010	0.00086	mg/L		02/12/24 06:26	02/12/24 16:00	1
Selenium	ND		0.0013	0.00099	mg/L		02/12/24 06:26	02/12/24 16:00	1
Thallium	ND		0.00050	0.00026	mg/L		02/12/24 06:26	02/12/24 16:00	1

Lab Sample ID: MB 680-822131/1-A
Matrix: Water
Analysis Batch: 822791

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 822131

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	ND		0.0025	0.0020	mg/L		02/12/24 06:26	02/14/24 13:02	1

Lab Sample ID: LCS 680-822131/2-A
Matrix: Water
Analysis Batch: 822348

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 822131

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0477		mg/L		95	80 - 120
Arsenic	0.100	0.0916		mg/L		92	80 - 120
Barium	0.100	0.100		mg/L		100	80 - 120
Beryllium	0.0500	0.0473		mg/L		95	80 - 120
Boron	0.400	0.356		mg/L		89	80 - 120
Cadmium	0.0500	0.0479		mg/L		96	80 - 120
Calcium	5.00	4.76		mg/L		95	80 - 120
Chromium	0.100	0.0974		mg/L		97	80 - 120
Cobalt	0.0500	0.0525		mg/L		105	80 - 120
Lead	0.500	0.472		mg/L		94	80 - 120
Molybdenum	0.100	0.101		mg/L		101	80 - 120
Selenium	0.100	0.0869		mg/L		87	80 - 120
Thallium	0.0500	0.0501		mg/L		100	80 - 120

Lab Sample ID: LCS 680-822131/2-A
Matrix: Water
Analysis Batch: 822791

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 822131

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0517		mg/L		103	80 - 120
Arsenic	0.100	0.0988		mg/L		99	80 - 120
Barium	0.100	0.105		mg/L		105	80 - 120
Beryllium	0.0500	0.0510		mg/L		102	80 - 120

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

Lab Sample ID: LCS 680-822131/2-A
Matrix: Water
Analysis Batch: 822791

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 822131

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.400	0.360		mg/L		90	80 - 120
Cadmium	0.0500	0.0500		mg/L		100	80 - 120
Calcium	5.00	4.45		mg/L		89	80 - 120
Chromium	0.100	0.109		mg/L		108	80 - 120
Cobalt	0.0500	0.0503		mg/L		101	80 - 120
Lead	0.500	0.485		mg/L		97	80 - 120
Lithium	0.500	0.463		mg/L		93	80 - 120
Molybdenum	0.100	0.106		mg/L		106	80 - 120
Selenium	0.100	0.0936		mg/L		94	80 - 120
Thallium	0.0500	0.0493		mg/L		99	80 - 120

Lab Sample ID: 400-250931-2 MS
Matrix: Water
Analysis Batch: 822348

Client Sample ID: MW-U2-20240207
Prep Type: Total Recoverable
Prep Batch: 822131

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	ND		0.0500	0.0525		mg/L		105	75 - 125
Arsenic	ND		0.100	0.100		mg/L		100	75 - 125
Barium	0.013		0.100	0.118		mg/L		105	75 - 125
Beryllium	ND		0.0500	0.0523		mg/L		105	75 - 125
Boron	0.029	J B	0.400	0.397		mg/L		92	75 - 125
Cadmium	ND		0.0500	0.0520		mg/L		104	75 - 125
Calcium	20		5.00	25.9		mg/L		122	75 - 125
Chromium	ND		0.100	0.105		mg/L		105	75 - 125
Cobalt	ND		0.0500	0.0540		mg/L		108	75 - 125
Lead	ND		0.500	0.501		mg/L		100	75 - 125
Molybdenum	ND		0.100	0.104		mg/L		104	75 - 125
Selenium	ND		0.100	0.0966		mg/L		97	75 - 125
Thallium	ND		0.0500	0.0533		mg/L		107	75 - 125

Lab Sample ID: 400-250931-2 MS
Matrix: Water
Analysis Batch: 822791

Client Sample ID: MW-U2-20240207
Prep Type: Total Recoverable
Prep Batch: 822131

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	ND		0.500	0.498		mg/L		100	75 - 125

Lab Sample ID: 400-250931-2 MSD
Matrix: Water
Analysis Batch: 822348

Client Sample ID: MW-U2-20240207
Prep Type: Total Recoverable
Prep Batch: 822131

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND		0.0500	0.0508		mg/L		102	75 - 125	3	20
Arsenic	ND		0.100	0.0969		mg/L		97	75 - 125	3	20
Barium	0.013		0.100	0.115		mg/L		103	75 - 125	2	20
Beryllium	ND		0.0500	0.0496		mg/L		99	75 - 125	5	20
Boron	0.029	J B	0.400	0.390		mg/L		90	75 - 125	2	20
Cadmium	ND		0.0500	0.0504		mg/L		101	75 - 125	3	20
Calcium	20		5.00	24.4		mg/L		92	75 - 125	6	20

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

Lab Sample ID: 400-250931-2 MSD
Matrix: Water
Analysis Batch: 822348

Client Sample ID: MW-U2-20240207
Prep Type: Total Recoverable
Prep Batch: 822131

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium	ND		0.100	0.102		mg/L		102	75 - 125	3	20
Cobalt	ND		0.0500	0.0525		mg/L		105	75 - 125	3	20
Lead	ND		0.500	0.483		mg/L		97	75 - 125	4	20
Molybdenum	ND		0.100	0.102		mg/L		102	75 - 125	3	20
Selenium	ND		0.100	0.0929		mg/L		93	75 - 125	4	20
Thallium	ND		0.0500	0.0516		mg/L		103	75 - 125	3	20

Lab Sample ID: 400-250931-2 MSD
Matrix: Water
Analysis Batch: 822791

Client Sample ID: MW-U2-20240207
Prep Type: Total Recoverable
Prep Batch: 822131

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	ND		0.500	0.529		mg/L		106	75 - 125	6	20

Lab Sample ID: MB 680-822150/1-A
Matrix: Water
Analysis Batch: 822348

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 822150

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0025	0.00034	mg/L		02/12/24 08:54	02/12/24 18:17	1
Arsenic	ND		0.0013	0.00086	mg/L		02/12/24 08:54	02/12/24 18:17	1
Barium	ND		0.0025	0.00089	mg/L		02/12/24 08:54	02/12/24 18:17	1
Beryllium	ND		0.0020	0.00020	mg/L		02/12/24 08:54	02/12/24 18:17	1
Boron	ND		0.050	0.022	mg/L		02/12/24 08:54	02/12/24 18:17	1
Cadmium	ND		0.0010	0.000078	mg/L		02/12/24 08:54	02/12/24 18:17	1
Calcium	ND		0.25	0.14	mg/L		02/12/24 08:54	02/12/24 18:17	1
Chromium	ND		0.0025	0.0012	mg/L		02/12/24 08:54	02/12/24 18:17	1
Cobalt	ND		0.0025	0.00022	mg/L		02/12/24 08:54	02/12/24 18:17	1
Lead	ND		0.0013	0.00021	mg/L		02/12/24 08:54	02/12/24 18:17	1
Molybdenum	ND		0.010	0.00086	mg/L		02/12/24 08:54	02/12/24 18:17	1
Selenium	ND		0.0013	0.00099	mg/L		02/12/24 08:54	02/12/24 18:17	1
Thallium	ND		0.00050	0.00026	mg/L		02/12/24 08:54	02/12/24 18:17	1

Lab Sample ID: MB 680-822150/1-A
Matrix: Water
Analysis Batch: 822791

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 822150

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	ND		0.0025	0.0020	mg/L		02/12/24 08:54	02/14/24 13:43	1

Lab Sample ID: LCS 680-822150/2-A
Matrix: Water
Analysis Batch: 822348

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 822150

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0522		mg/L		104	80 - 120
Arsenic	0.100	0.100		mg/L		100	80 - 120
Barium	0.100	0.103		mg/L		103	80 - 120
Beryllium	0.0500	0.0530		mg/L		106	80 - 120
Boron	0.400	0.371		mg/L		93	80 - 120

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

Lab Sample ID: LCS 680-822150/2-A
Matrix: Water
Analysis Batch: 822348

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 822150

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	0.0500	0.0503		mg/L		101	80 - 120
Calcium	5.00	4.92		mg/L		98	80 - 120
Chromium	0.100	0.102		mg/L		101	80 - 120
Cobalt	0.0500	0.0526		mg/L		105	80 - 120
Lead	0.500	0.490		mg/L		98	80 - 120
Molybdenum	0.100	0.102		mg/L		102	80 - 120
Selenium	0.100	0.0958		mg/L		96	80 - 120
Thallium	0.0500	0.0506		mg/L		101	80 - 120

Lab Sample ID: LCS 680-822150/2-A
Matrix: Water
Analysis Batch: 822791

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 822150

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.500	0.503		mg/L		101	80 - 120

Lab Sample ID: 400-250931-7 MS
Matrix: Water
Analysis Batch: 822348

Client Sample ID: MW-D8-20240208
Prep Type: Total Recoverable
Prep Batch: 822150

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	ND		0.0500	0.0541		mg/L		108	75 - 125
Arsenic	ND		0.100	0.103		mg/L		103	75 - 125
Barium	0.059		0.100	0.163		mg/L		104	75 - 125
Beryllium	ND		0.0500	0.0553		mg/L		111	75 - 125
Boron	0.059		0.400	0.437		mg/L		95	75 - 125
Cadmium	ND		0.0500	0.0526		mg/L		105	75 - 125
Calcium	78		5.00	81.8	4	mg/L		83	75 - 125
Chromium	ND		0.100	0.104		mg/L		104	75 - 125
Cobalt	ND		0.0500	0.0533		mg/L		107	75 - 125
Lead	ND		0.500	0.500		mg/L		100	75 - 125
Molybdenum	ND		0.100	0.104		mg/L		104	75 - 125
Selenium	ND		0.100	0.0970		mg/L		97	75 - 125
Thallium	ND		0.0500	0.0531		mg/L		106	75 - 125

Lab Sample ID: 400-250931-7 MS
Matrix: Water
Analysis Batch: 822791

Client Sample ID: MW-D8-20240208
Prep Type: Total Recoverable
Prep Batch: 822150

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	ND		0.500	0.493		mg/L		99	75 - 125

Lab Sample ID: 400-250931-7 MSD
Matrix: Water
Analysis Batch: 822348

Client Sample ID: MW-D8-20240208
Prep Type: Total Recoverable
Prep Batch: 822150

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND		0.0500	0.0526		mg/L		105	75 - 125	3	20
Arsenic	ND		0.100	0.100		mg/L		100	75 - 125	3	20
Barium	0.059		0.100	0.158		mg/L		100	75 - 125	3	20

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

Lab Sample ID: 400-250931-7 MSD
Matrix: Water
Analysis Batch: 822348

Client Sample ID: MW-D8-20240208
Prep Type: Total Recoverable
Prep Batch: 822150

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Beryllium	ND		0.0500	0.0550		mg/L		110	75 - 125	0	20
Boron	0.059		0.400	0.437		mg/L		94	75 - 125	0	20
Cadmium	ND		0.0500	0.0521		mg/L		104	75 - 125	1	20
Calcium	78		5.00	78.4	4	mg/L		14	75 - 125	4	20
Chromium	ND		0.100	0.105		mg/L		105	75 - 125	1	20
Cobalt	ND		0.0500	0.0533		mg/L		107	75 - 125	0	20
Lead	ND		0.500	0.498		mg/L		100	75 - 125	0	20
Molybdenum	ND		0.100	0.104		mg/L		104	75 - 125	0	20
Selenium	ND		0.100	0.0964		mg/L		96	75 - 125	1	20
Thallium	ND		0.0500	0.0529		mg/L		106	75 - 125	0	20

Lab Sample ID: 400-250931-7 MSD
Matrix: Water
Analysis Batch: 822791

Client Sample ID: MW-D8-20240208
Prep Type: Total Recoverable
Prep Batch: 822150

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	ND		0.500	0.516		mg/L		103	75 - 125	4	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-822191/1-A
Matrix: Water
Analysis Batch: 822424

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 822191

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000080	mg/L		02/12/24 09:51	02/12/24 21:17	1

Lab Sample ID: LCS 680-822191/2-A
Matrix: Water
Analysis Batch: 822424

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 822191

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00250	0.00237		mg/L		95	80 - 120		

Lab Sample ID: 400-250330-E-20-H MS
Matrix: Water
Analysis Batch: 822424

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 822191

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.00011	J	0.00100	0.00106		mg/L		95	80 - 120		

Lab Sample ID: 400-250330-E-20-I MSD
Matrix: Water
Analysis Batch: 822424

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 822191

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00011	J	0.00100	0.00104		mg/L		93	80 - 120	2	20

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

Lab Sample ID: MB 680-822212/1-A
Matrix: Water
Analysis Batch: 822424

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 822212

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000080	mg/L		02/12/24 10:35	02/12/24 19:08	1

Lab Sample ID: LCS 680-822212/2-A
Matrix: Water
Analysis Batch: 822424

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 822212

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00241		mg/L		96	80 - 120

Lab Sample ID: 680-246538-H-1-H MS
Matrix: Water
Analysis Batch: 822424

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 822212

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00100	0.000952		mg/L		95	80 - 120

Lab Sample ID: 680-246538-H-1-I MSD
Matrix: Water
Analysis Batch: 822424

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 822212

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00100	0.000955		mg/L		96	80 - 120	0	20

Lab Sample ID: MB 680-822236/1-A
Matrix: Water
Analysis Batch: 822424

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 822236

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000080	mg/L		02/12/24 11:50	02/12/24 20:05	1

Lab Sample ID: LCS 680-822236/2-A
Matrix: Water
Analysis Batch: 822424

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 822236

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00237		mg/L		95	80 - 120

Lab Sample ID: 400-250931-7 MS
Matrix: Water
Analysis Batch: 822424

Client Sample ID: MW-D8-20240208
Prep Type: Total/NA
Prep Batch: 822236

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00100	0.000930		mg/L		93	80 - 120

Lab Sample ID: 400-250931-7 MSD
Matrix: Water
Analysis Batch: 822424

Client Sample ID: MW-D8-20240208
Prep Type: Total/NA
Prep Batch: 822236

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00100	0.000939		mg/L		94	80 - 120	1	20

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

Lab Sample ID: MB 400-660990/1
Matrix: Water
Analysis Batch: 660990

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			02/14/24 10:51	1

Lab Sample ID: LCS 400-660990/2
Matrix: Water
Analysis Batch: 660990

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	290		mg/L		99	78 - 122		

Lab Sample ID: 400-250931-1 DU
Matrix: Water
Analysis Batch: 660990

Client Sample ID: MW-U1-20240207
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	96			96.0		mg/L				0	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-660656/36
Matrix: Water
Analysis Batch: 660656

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			02/12/24 12:14	1

Lab Sample ID: MB 400-660656/5
Matrix: Water
Analysis Batch: 660656

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			02/12/24 11:58	1

Lab Sample ID: LCS 400-660656/37
Matrix: Water
Analysis Batch: 660656

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			50.0	50.2		mg/L		100	90 - 110		

Lab Sample ID: LCS 400-660656/6
Matrix: Water
Analysis Batch: 660656

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	48.8		mg/L		98	90 - 110		

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

Lab Sample ID: MRL 400-660656/7
Matrix: Water
Analysis Batch: 660656

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	2.23		mg/L		111	50 - 150		

Lab Sample ID: 400-250931-2 MS
Matrix: Water
Analysis Batch: 660656

Client Sample ID: MW-U2-20240207
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	2.2		10.0	12.0		mg/L		98	73 - 120		

Lab Sample ID: 400-250931-2 MSD
Matrix: Water
Analysis Batch: 660656

Client Sample ID: MW-U2-20240207
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2.2		10.0	11.3		mg/L		91	73 - 120	6	8

Lab Sample ID: MB 400-661997/13
Matrix: Water
Analysis Batch: 661997

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			02/22/24 14:53	1

Lab Sample ID: LCS 400-661997/14
Matrix: Water
Analysis Batch: 661997

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			50.0	51.8		mg/L		104	90 - 110		

Lab Sample ID: MRL 400-661997/105
Matrix: Water
Analysis Batch: 661997

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			2.00	1.82	J	mg/L		91	50 - 150		

Lab Sample ID: 400-251314-B-1 MS
Matrix: Water
Analysis Batch: 661997

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	390		10.0	394	4	mg/L		89	73 - 120		

Lab Sample ID: 400-251314-B-1 MSD
Matrix: Water
Analysis Batch: 661997

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	390		10.0	395	4	mg/L		95	73 - 120	0	8

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-661034/9
Matrix: Water
Analysis Batch: 661034

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			02/14/24 15:45	1

Lab Sample ID: LCS 400-661034/11
Matrix: Water
Analysis Batch: 661034

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	4.99		mg/L		100	90 - 110

Lab Sample ID: MRL 400-661034/10
Matrix: Water
Analysis Batch: 661034

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.100	0.0974	J	mg/L		97	50 - 150

Lab Sample ID: 400-250931-1 MS
Matrix: Water
Analysis Batch: 661034

Client Sample ID: MW-U1-20240207
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.068	J	0.100	0.163		mg/L		95	75 - 125

Lab Sample ID: 400-250931-1 MSD
Matrix: Water
Analysis Batch: 661034

Client Sample ID: MW-U1-20240207
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.068	J	0.100	0.163		mg/L		95	75 - 125	0	4

Lab Sample ID: 400-250931-11 DU
Matrix: Water
Analysis Batch: 661034

Client Sample ID: EB-05-20240208
Prep Type: Total/NA

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

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-660761/23
Matrix: Water
Analysis Batch: 660761

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			02/12/24 16:38	1

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

Lab Sample ID: LCS 400-660761/24
Matrix: Water
Analysis Batch: 660761

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	15.0	14.5		mg/L		97	90 - 110

Lab Sample ID: MRL 400-660761/25
Matrix: Water
Analysis Batch: 660761

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: 400-250931-6 MS
Matrix: Water
Analysis Batch: 660761

Client Sample ID: MW-D7-20240208
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	4.0	J	10.0	13.1		mg/L		91	77 - 128

Lab Sample ID: 400-250931-6 MSD
Matrix: Water
Analysis Batch: 660761

Client Sample ID: MW-D7-20240208
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	4.0	J	10.0	12.9		mg/L		89	77 - 128	1	5

Lab Sample ID: MB 400-661847/28
Matrix: Water
Analysis Batch: 661847

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			02/21/24 12:41	1

Lab Sample ID: LCS 400-661847/29
Matrix: Water
Analysis Batch: 661847

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	15.0	15.4	^+	mg/L		103	90 - 110

Lab Sample ID: MRL 400-661847/30
Matrix: Water
Analysis Batch: 661847

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	4.98	J	mg/L		100	50 - 150

Lab Sample ID: 400-251202-C-2 MS
Matrix: Water
Analysis Batch: 661847

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	13	F1	10.0	20.3	F1	mg/L		76	77 - 128

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

Job ID: 400-250931-1

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: 400-251202-C-2 MSD
Matrix: Water
Analysis Batch: 661847

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	13	F1	10.0	21.0		mg/L		84	77 - 128	4	5

Euro... Pensacola
3355 McLem... ...ve
Pensacola, ...14
Phone 850-474-1001 Fax: 850-478-2671

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400-250931 COC

Client Information	Sampler: Dalton Kegley	Lab PM: Whitmire, Cheyenne R	...king No(s):	COC No: 400-112841-29334.1
Client Contact: Dawit Yifru	Phone: 276-389-4485	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.	PWSID:			Job #:
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: 276-389-4485	PO #: Purchase Order not required			
Email: dyifru@geosyntec.com	WO #:			
Project Name: Crisp County CCR	Project #: 40007960			
Site: Crisp County Power	SSOW#:			

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E - 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:
			Preservation Code:													
MW-U1-20240207	2/7/24	12:09	G	Water	N	N	X	X	X	X	X	X	X	X		pH = 7.82
MW-U2-20240207	2/7/24	13:15	G	Water	N	N	X	X	X	X	X	X	X	X		pH = 7.67
MW-D4-20240207	2/7/24	16:05	G	Water	N	N	X	X	X	X	X	X	X	X		pH = 7.60
MW-D5-20240207	2/7/24	15:55	G	Water	N	N	X	X	X	X	X	X	X	X		pH = 6.94
MW-D6-20240207	2/7/24	13:40	G	Water	N	N	X	X	X	X	X	X	X	X		pH = 7.91
MW-D7-20240208	2/8/24	11:00	G	Water	N	N	X	X	X	X	X	X	X	X		pH = 7.46
MW-D8-20240208	2/8/24	12:38	G	Water	N	N	X	X	X	X	X	X	X	X		pH = 7.47
MW-D9-20240208	2/8/24	11:45	G	Water	N	N	X	X	X	X	X	X	X	X		pH = 7.73
DUP-10-20240207	2/7/24	12:00	G	Water	N	N	X	X	X	X	X	X	X	X		
FB-04-20240208	2/8/24	12:00	G	Water	N	N	X	X	X	X	X	X	X	X		DK
EB-05-20240208	2/8/24	12:00	G	Water	N	N	X	X	X	X	X	X	X	X		

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:			
Relinquished by: Dalton Kegley	Date/Time: 2/7/24	Company: Geosyntec	Received by:	Date/Time: 2.9.24 9:40	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

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

Cooler Temperature(s) °C and Other Remarks: 3.5, 1.1, 1.1 IR8

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 400-250931-1

Login Number: 250931
List Number: 1
Creator: Roberts, Alexis J

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.5°C, 1.1°C, 1.1°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

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

Job ID: 400-250931-1

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	03-31-24
West Virginia DEP	State	136	03-31-24

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
Guam	State	19-007R	04-17-24
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

Accreditation/Certification Summary

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

Job ID: 400-250931-1

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
Nebraska	State	NE-OS-7-04	06-30-24
New Jersey	NELAP	GA769	06-30-24
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	09-03-24
Virginia	NELAP	460161	06-14-24
Wyoming	State	8TMS-L	06-30-24

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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 3/12/2024 2:59:01 PM

JOB DESCRIPTION

Crisp County CCR

JOB NUMBER

400-250931-2

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

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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
Mark Swafford, Project Manager II
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Designee for
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(850)471-6222

Table of Contents

Job Narrative
400-250931-2

Receipt
The samples were received on 2/9/2024 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.1º C, 1.1º C and 3.5º C.

RAD
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 CCR

Job ID: 400-250931-2

Client Sample ID: MW-U1-20240207 — Lab Sample ID: 400-250931-1

No Detections.

Client Sample ID: MW-U2-20240207 — Lab Sample ID: 400-250931-2

No Detections.

Client Sample ID: MW-D4-20240207 — Lab Sample ID: 400-250931-3

No Detections.

Client Sample ID: MW-D5-20240207 — Lab Sample ID: 400-250931-4

No Detections.

Client Sample ID: MW-D6-20240207 — Lab Sample ID: 400-250931-5

No Detections.

Client Sample ID: MW-D7-20240208 — Lab Sample ID: 400-250931-6

No Detections.

Client Sample ID: MW-D8-20240208 — Lab Sample ID: 400-250931-7

No Detections.

Client Sample ID: MW-D9-20240208 — Lab Sample ID: 400-250931-8

No Detections.

Client Sample ID: DUP-10-20240207 — Lab Sample ID: 400-250931-9

No Detections.

Client Sample ID: FB-04-20240208 — Lab Sample ID: 400-250931-10

No Detections.

Client Sample ID: EB-05-20240208 — Lab Sample ID: 400-250931-11

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

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

Job ID: 400-250931-2

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 CCR

Job ID: 400-250931-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-250931-1	MW-U1-20240207	Water	02/07/24 12:09	02/09/24 09:40
400-250931-2	MW-U2-20240207	Water	02/07/24 13:15	02/09/24 09:40
400-250931-3	MW-D4-20240207	Water	02/07/24 16:05	02/09/24 09:40
400-250931-4	MW-D5-20240207	Water	02/07/24 15:55	02/09/24 09:40
400-250931-5	MW-D6-20240207	Water	02/07/24 13:40	02/09/24 09:40
400-250931-6	MW-D7-20240208	Water	02/08/24 11:00	02/09/24 09:40
400-250931-7	MW-D8-20240208	Water	02/08/24 12:38	02/09/24 09:40
400-250931-8	MW-D9-20240208	Water	02/08/24 11:45	02/09/24 09:40
400-250931-9	DUP-10-20240207	Water	02/07/24 12:00	02/09/24 09:40
400-250931-10	FB-04-20240208	Water	02/08/24 12:00	02/09/24 09:40
400-250931-11	EB-05-20240208	Water	02/08/24 12:00	02/09/24 09:40

Client Sample Results

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

Job ID: 400-250931-2

Client Sample ID: MW-U1-20240207

Date Collected: 02/07/24 12:09
Date Received: 02/09/24 09:40

Lab Sample ID: 400-250931-1

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	-0.0498	U	0.0596	0.0598	1.00	0.139	pCi/L	02/14/24 10:16	03/10/24 14:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.8*		*30 - 110*	*02/14/24 10:16*	*03/10/24 14:32*	*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	0.0449	U	0.274	0.274	1.00	0.506	pCi/L	02/14/24 10:19	03/01/24 11:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.8*		*30 - 110*	*02/14/24 10:19*	*03/01/24 11:47*	*1*
Y Carrier	*81.5*		*30 - 110*	*02/14/24 10:19*	*03/01/24 11:47*	*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	-0.00494	U	0.280	0.280	5.00	0.506	pCi/L		03/12/24 14:08	1

Client Sample ID: MW-U2-20240207

Date Collected: 02/07/24 13:15
Date Received: 02/09/24 09:40

Lab Sample ID: 400-250931-2

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	0.0466	U	0.0663	0.0664	1.00	0.112	pCi/L	02/14/24 10:16	03/10/24 14:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.8*		*30 - 110*	*02/14/24 10:16*	*03/10/24 14:32*	*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	-0.0199	U	0.241	0.241	1.00	0.469	pCi/L	02/14/24 10:19	03/01/24 11:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.8*		*30 - 110*	*02/14/24 10:19*	*03/01/24 11:47*	*1*
Y Carrier	*81.1*		*30 - 110*	*02/14/24 10:19*	*03/01/24 11:47*	*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	0.0267	U	0.250	0.250	5.00	0.469	pCi/L		03/12/24 14:08	1

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

Job ID: 400-250931-2

Client Sample ID: MW-D4-20240207

Date Collected: 02/07/24 16:05
Date Received: 02/09/24 09:40

Lab Sample ID: 400-250931-3

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	0.0263	U	0.0530	0.0530	1.00	0.0960	pCi/L	02/14/24 10:16	03/10/24 14:32	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.5*		*30 - 110*	*02/14/24 10:16*	*03/10/24 14:32*	*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	0.0228	U	0.261	0.261	1.00	0.491	pCi/L	02/14/24 10:19	03/01/24 11:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.5*		*30 - 110*	*02/14/24 10:19*	*03/01/24 11:47*	*1*
Y Carrier	*77.0*		*30 - 110*	*02/14/24 10:19*	*03/01/24 11:47*	*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	0.0490	U	0.266	0.266	5.00	0.491	pCi/L		03/12/24 14:08	1

Client Sample ID: MW-D5-20240207

Date Collected: 02/07/24 15:55
Date Received: 02/09/24 09:40

Lab Sample ID: 400-250931-4

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	0.0621	U	0.0564	0.0567	1.00	0.0837	pCi/L	02/14/24 10:16	03/10/24 14:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.5*		*30 - 110*	*02/14/24 10:16*	*03/10/24 14:33*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.587	U	0.412	0.415	1.00	0.626	pCi/L	02/14/24 10:19	03/01/24 11:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.5*		*30 - 110*	*02/14/24 10:19*	*03/01/24 11:47*	*1*
Y Carrier	*71.8*		*30 - 110*	*02/14/24 10:19*	*03/01/24 11:47*	*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	**0.649**		0.416	0.419	5.00	0.626	pCi/L		03/12/24 14:08	1

Client Sample ID: MW-D6-20240207

Date Collected: 02/07/24 13:40
Date Received: 02/09/24 09:40

Lab Sample ID: 400-250931-5

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0247	U	0.0474	0.0475	1.00	0.0861	pCi/L	02/14/24 10:16	03/10/24 14:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*30 - 110*	*02/14/24 10:16*	*03/10/24 14:33*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.482	U	0.390	0.392	1.00	0.605	pCi/L	02/14/24 10:19	03/01/24 11:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.3*		*30 - 110*	*02/14/24 10:19*	*03/01/24 11:48*	*1*
Y Carrier	*72.1*		*30 - 110*	*02/14/24 10:19*	*03/01/24 11:48*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.507	U	0.393	0.395	5.00	0.605	pCi/L		03/12/24 14:08	1

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

Job ID: 400-250931-2

Client Sample ID: MW-D7-20240208

Lab Sample ID: 400-250931-6

Date Collected: 02/08/24 11:00

Matrix: Water

Date Received: 02/09/24 09:40

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0164	U	0.0538	0.0538	1.00	0.103	pCi/L	02/14/24 10:16	03/10/24 14:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.5*		*30 - 110*	*02/14/24 10:16*	*03/10/24 14:33*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.153	U	0.338	0.338	1.00	0.593	pCi/L	02/14/24 10:19	03/01/24 11:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.5*		*30 - 110*	*02/14/24 10:19*	*03/01/24 11:48*	*1*
Y Carrier	*74.0*		*30 - 110*	*02/14/24 10:19*	*03/01/24 11:48*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.169	U	0.342	0.342	5.00	0.593	pCi/L		03/12/24 14:08	1

Client Sample ID: MW-D8-20240208

Date Collected: 02/08/24 12:38
Date Received: 02/09/24 09:40

Lab Sample ID: 400-250931-7

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0135	U	0.0466	0.0466	1.00	0.0909	pCi/L	02/14/24 10:16	03/10/24 14:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.8*		*30 - 110*	*02/14/24 10:16*	*03/10/24 14:33*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0379	U	0.261	0.261	1.00	0.507	pCi/L	02/14/24 10:19	03/01/24 11:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.8*		*30 - 110*	*02/14/24 10:19*	*03/01/24 11:48*	*1*
Y Carrier	*77.8*		*30 - 110*	*02/14/24 10:19*	*03/01/24 11:48*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.0244	U	0.265	0.265	5.00	0.507	pCi/L		03/12/24 14:08	1

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

Job ID: 400-250931-2

Client Sample ID: MW-D9-20240208

Date Collected: 02/08/24 11:45
Date Received: 02/09/24 09:40

Lab Sample ID: 400-250931-8

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0460	U	0.0535	0.0536	1.00	0.0857	pCi/L	02/14/24 10:16	03/10/24 14:33	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.5*		*30 - 110*	*02/14/24 10:16*	*03/10/24 14:33*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0996	U	0.349	0.349	1.00	0.625	pCi/L	02/14/24 10:19	03/01/24 11:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.5*		*30 - 110*	*02/14/24 10:19*	*03/01/24 11:48*	*1*
Y Carrier	*76.3*		*30 - 110*	*02/14/24 10:19*	*03/01/24 11:48*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.146	U	0.353	0.353	5.00	0.625	pCi/L		03/12/24 14:08	1

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

Job ID: 400-250931-2

Client Sample ID: DUP-10-20240207

Date Collected: 02/07/24 12:00
Date Received: 02/09/24 09:40

Lab Sample ID: 400-250931-9

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0370	U	0.0504	0.0505	1.00	0.0847	pCi/L	02/14/24 10:16	03/10/24 14:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.3*		*30 - 110*	*02/14/24 10:16*	*03/10/24 14:34*	*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	0.0774	U	0.343	0.343	1.00	0.619	pCi/L	02/14/24 10:19	03/01/24 11:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.3*		*30 - 110*	*02/14/24 10:19*	*03/01/24 11:48*	*1*
Y Carrier	*72.9*		*30 - 110*	*02/14/24 10:19*	*03/01/24 11:48*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.114	U	0.347	0.347	5.00	0.619	pCi/L		03/12/24 14:08	1

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

Job ID: 400-250931-2

Client Sample ID: FB-04-20240208

Date Collected: 02/08/24 12:00
Date Received: 02/09/24 09:40

Lab Sample ID: 400-250931-10

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0194	U	0.0454	0.0454	1.00	0.0861	pCi/L	02/14/24 10:16	03/10/24 14:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*02/14/24 10:16*	*03/10/24 14:34*	*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	-0.0945	U	0.300	0.300	1.00	0.596	pCi/L	02/14/24 10:19	03/01/24 11:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.3*		*30 - 110*	*02/14/24 10:19*	*03/01/24 11:48*	*1*
Y Carrier	*76.6*		*30 - 110*	*02/14/24 10:19*	*03/01/24 11:48*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.0751	U	0.303	0.303	5.00	0.596	pCi/L		03/12/24 14:08	1

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

Job ID: 400-250931-2

Client Sample ID: EB-05-20240208

Date Collected: 02/08/24 12:00
Date Received: 02/09/24 09:40

Lab Sample ID: 400-250931-11

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.00253	U	0.0588	0.0588	1.00	0.123	pCi/L	02/14/24 10:16	03/10/24 14:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.8*		*30 - 110*	*02/14/24 10:16*	*03/10/24 14:34*	*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	-0.115	U	0.332	0.332	1.00	0.658	pCi/L	02/14/24 10:19	03/01/24 11:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.8*		*30 - 110*	*02/14/24 10:19*	*03/01/24 11:49*	*1*
Y Carrier	*77.0*		*30 - 110*	*02/14/24 10:19*	*03/01/24 11:49*	*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	-0.117	U	0.337	0.337	5.00	0.658	pCi/L		03/12/24 14:08	1

Definitions/Glossary

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

Job ID: 400-250931-2

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 CCR

Job ID: 400-250931-2

Client Sample ID: MW-U1-20240207
Date Collected: 02/07/24 12:09
Date Received: 02/09/24 09:40

Lab Sample ID: 400-250931-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			648108	KAC	EET SL	02/14/24 10:16
Total/NA	Analysis	9315		1	651786	FLC	EET SL	03/10/24 14:32
Total/NA	Prep	PrecSep_0			648109	KAC	EET SL	02/14/24 10:19
Total/NA	Analysis	9320		1	650632	SCB	EET SL	03/01/24 11:47
Total/NA	Analysis	Ra226_Ra228		1	652165	SCB	EET SL	03/12/24 14:08

Client Sample ID: MW-U2-20240207
Date Collected: 02/07/24 13:15
Date Received: 02/09/24 09:40

Lab Sample ID: 400-250931-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			648108	KAC	EET SL	02/14/24 10:16
Total/NA	Analysis	9315		1	651786	FLC	EET SL	03/10/24 14:32
Total/NA	Prep	PrecSep_0			648109	KAC	EET SL	02/14/24 10:19
Total/NA	Analysis	9320		1	650632	SCB	EET SL	03/01/24 11:47
Total/NA	Analysis	Ra226_Ra228		1	652165	SCB	EET SL	03/12/24 14:08

Client Sample ID: MW-D4-20240207
Date Collected: 02/07/24 16:05
Date Received: 02/09/24 09:40

Lab Sample ID: 400-250931-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			648108	KAC	EET SL	02/14/24 10:16
Total/NA	Analysis	9315		1	651786	FLC	EET SL	03/10/24 14:32
Total/NA	Prep	PrecSep_0			648109	KAC	EET SL	02/14/24 10:19
Total/NA	Analysis	9320		1	650632	SCB	EET SL	03/01/24 11:47
Total/NA	Analysis	Ra226_Ra228		1	652165	SCB	EET SL	03/12/24 14:08

Client Sample ID: MW-D5-20240207
Date Collected: 02/07/24 15:55
Date Received: 02/09/24 09:40

Lab Sample ID: 400-250931-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			648108	KAC	EET SL	02/14/24 10:16
Total/NA	Analysis	9315		1	651786	FLC	EET SL	03/10/24 14:33
Total/NA	Prep	PrecSep_0			648109	KAC	EET SL	02/14/24 10:19
Total/NA	Analysis	9320		1	650632	SCB	EET SL	03/01/24 11:47
Total/NA	Analysis	Ra226_Ra228		1	652165	SCB	EET SL	03/12/24 14:08

Lab Chronicle

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

Job ID: 400-250931-2

Client Sample ID: MW-D6-20240207
Date Collected: 02/07/24 13:40
Date Received: 02/09/24 09:40

Lab Sample ID: 400-250931-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			648108	KAC	EET SL	02/14/24 10:16
Total/NA	Analysis	9315		1	651786	FLC	EET SL	03/10/24 14:33
Total/NA	Prep	PrecSep_0			648109	KAC	EET SL	02/14/24 10:19
Total/NA	Analysis	9320		1	650632	SCB	EET SL	03/01/24 11:48
Total/NA	Analysis	Ra226_Ra228		1	652165	SCB	EET SL	03/12/24 14:08

Client Sample ID: MW-D7-20240208
Date Collected: 02/08/24 11:00
Date Received: 02/09/24 09:40

Lab Sample ID: 400-250931-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			648108	KAC	EET SL	02/14/24 10:16
Total/NA	Analysis	9315		1	651786	FLC	EET SL	03/10/24 14:33
Total/NA	Prep	PrecSep_0			648109	KAC	EET SL	02/14/24 10:19
Total/NA	Analysis	9320		1	650632	SCB	EET SL	03/01/24 11:48
Total/NA	Analysis	Ra226_Ra228		1	652165	SCB	EET SL	03/12/24 14:08

Client Sample ID: MW-D8-20240208
Date Collected: 02/08/24 12:38
Date Received: 02/09/24 09:40

Lab Sample ID: 400-250931-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			648108	KAC	EET SL	02/14/24 10:16
Total/NA	Analysis	9315		1	651786	FLC	EET SL	03/10/24 14:33
Total/NA	Prep	PrecSep_0			648109	KAC	EET SL	02/14/24 10:19
Total/NA	Analysis	9320		1	650632	SCB	EET SL	03/01/24 11:48
Total/NA	Analysis	Ra226_Ra228		1	652165	SCB	EET SL	03/12/24 14:08

Client Sample ID: MW-D9-20240208
Date Collected: 02/08/24 11:45
Date Received: 02/09/24 09:40

Lab Sample ID: 400-250931-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			648108	KAC	EET SL	02/14/24 10:16
Total/NA	Analysis	9315		1	651786	FLC	EET SL	03/10/24 14:33
Total/NA	Prep	PrecSep_0			648109	KAC	EET SL	02/14/24 10:19
Total/NA	Analysis	9320		1	650632	SCB	EET SL	03/01/24 11:48
Total/NA	Analysis	Ra226_Ra228		1	652165	SCB	EET SL	03/12/24 14:08

Lab Chronicle

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

Job ID: 400-250931-2

Client Sample ID: DUP-10-20240207

Lab Sample ID: 400-250931-9

Date Collected: 02/07/24 12:00

Matrix: Water

Date Received: 02/09/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			648108	KAC	EET SL	02/14/24 10:16
Total/NA	Analysis	9315		1	651786	FLC	EET SL	03/10/24 14:34
Total/NA	Prep	PrecSep_0			648109	KAC	EET SL	02/14/24 10:19
Total/NA	Analysis	9320		1	650632	SCB	EET SL	03/01/24 11:48
Total/NA	Analysis	Ra226_Ra228		1	652165	SCB	EET SL	03/12/24 14:08

Client Sample ID: FB-04-20240208

Lab Sample ID: 400-250931-10

Date Collected: 02/08/24 12:00

Matrix: Water

Date Received: 02/09/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			648108	KAC	EET SL	02/14/24 10:16
Total/NA	Analysis	9315		1	651786	FLC	EET SL	03/10/24 14:34
Total/NA	Prep	PrecSep_0			648109	KAC	EET SL	02/14/24 10:19
Total/NA	Analysis	9320		1	650632	SCB	EET SL	03/01/24 11:48
Total/NA	Analysis	Ra226_Ra228		1	652165	SCB	EET SL	03/12/24 14:08

Client Sample ID: EB-05-20240208

Lab Sample ID: 400-250931-11

Date Collected: 02/08/24 12:00

Matrix: Water

Date Received: 02/09/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			648108	KAC	EET SL	02/14/24 10:16
Total/NA	Analysis	9315		1	651786	FLC	EET SL	03/10/24 14:34
Total/NA	Prep	PrecSep_0			648109	KAC	EET SL	02/14/24 10:19
Total/NA	Analysis	9320		1	650632	SCB	EET SL	03/01/24 11:49
Total/NA	Analysis	Ra226_Ra228		1	652165	SCB	EET SL	03/12/24 14:08

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 CCR

Job ID: 400-250931-2

Rad

Prep Batch: 648108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-250931-1	MW-U1-20240207	Total/NA	Water	PrecSep-21	
400-250931-2	MW-U2-20240207	Total/NA	Water	PrecSep-21	
400-250931-3	MW-D4-20240207	Total/NA	Water	PrecSep-21	
400-250931-4	MW-D5-20240207	Total/NA	Water	PrecSep-21	
400-250931-5	MW-D6-20240207	Total/NA	Water	PrecSep-21	
400-250931-6	MW-D7-20240208	Total/NA	Water	PrecSep-21	
400-250931-7	MW-D8-20240208	Total/NA	Water	PrecSep-21	
400-250931-8	MW-D9-20240208	Total/NA	Water	PrecSep-21	
400-250931-9	DUP-10-20240207	Total/NA	Water	PrecSep-21	
400-250931-10	FB-04-20240208	Total/NA	Water	PrecSep-21	
400-250931-11	EB-05-20240208	Total/NA	Water	PrecSep-21	
MB 160-648108/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-648108/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
480-216957-D-1-B MS	Matrix Spike	Total/NA	Water	PrecSep-21	
480-216957-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	PrecSep-21	

Prep Batch: 648109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-250931-1	MW-U1-20240207	Total/NA	Water	PrecSep_0	
400-250931-2	MW-U2-20240207	Total/NA	Water	PrecSep_0	
400-250931-3	MW-D4-20240207	Total/NA	Water	PrecSep_0	
400-250931-4	MW-D5-20240207	Total/NA	Water	PrecSep_0	
400-250931-5	MW-D6-20240207	Total/NA	Water	PrecSep_0	
400-250931-6	MW-D7-20240208	Total/NA	Water	PrecSep_0	
400-250931-7	MW-D8-20240208	Total/NA	Water	PrecSep_0	
400-250931-8	MW-D9-20240208	Total/NA	Water	PrecSep_0	
400-250931-9	DUP-10-20240207	Total/NA	Water	PrecSep_0	
400-250931-10	FB-04-20240208	Total/NA	Water	PrecSep_0	
400-250931-11	EB-05-20240208	Total/NA	Water	PrecSep_0	
MB 160-648109/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-648109/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
480-216957-D-1-E MS	Matrix Spike	Total/NA	Water	PrecSep_0	
480-216957-D-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	PrecSep_0	

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-648108/1-A
Matrix: Water
Analysis Batch: 651789

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 648108

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.03413	U	0.0588	0.0589	1.00	0.103	pCi/L	02/14/24 10:16	03/10/24 13:14	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.5*		*30 - 110*	*02/14/24 10:16*	*03/10/24 13:14*	*1*

Lab Sample ID: LCS 160-648108/2-A
Matrix: Water
Analysis Batch: 651786

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 648108

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			11.3	10.54		1.09	1.00	0.0979	pCi/L	93	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*96.8*		*30 - 110*

Lab Sample ID: 480-216957-D-1-B MS
Matrix: Water
Analysis Batch: 651787

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 648108

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226	0.129		11.4	12.33		1.28	1.00	0.126	pCi/L	107	60 - 140		

Carrier	*MS %Yield*	*MS Qualifier*	*Limits*
Ba Carrier	*80.3*		*30 - 110*

Lab Sample ID: 480-216957-D-1-C MSD
Matrix: Water
Analysis Batch: 651787

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 648108

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	0.129		11.4	10.95		1.16	1.00	0.132	pCi/L	95	60 - 140	0.57	1

Carrier	*MSD %Yield*	*MSD Qualifier*	*Limits*
Ba Carrier	*78.5*		*30 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-648109/1-A
Matrix: Water
Analysis Batch: 650632

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 648109

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1313	U	0.277	0.278	1.00	0.486	pCi/L	02/14/24 10:19	03/01/24 11:46	1

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

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	94.5		30 - 110	02/14/24 10:19	03/01/24 11:46	1
Y Carrier	81.1		30 - 110	02/14/24 10:19	03/01/24 11:46	1

Lab Sample ID: LCS 160-648109/2-A
Matrix: Water
Analysis Batch: 650632

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 648109

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			9.16	9.007		1.28	1.00	0.553	pCi/L	98	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	96.8		30 - 110
Y Carrier	71.4		30 - 110

Lab Sample ID: 480-216957-D-1-E MS
Matrix: Water
Analysis Batch: 650632

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 648109

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228	-0.327	U	9.22	10.15		1.42	1.00	0.568	pCi/L	110	60 - 140		

Carrier	MS %Yield	MS Qualifier	Limits
Ba Carrier	80.3		30 - 110
Y Carrier	81.5		30 - 110

Lab Sample ID: 480-216957-D-1-F MSD
Matrix: Water
Analysis Batch: 650632

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 648109

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	-0.327	U	9.21	10.35		1.47	1.00	0.625	pCi/L	112	60 - 140	0.07	1

Carrier	MSD %Yield	MSD Qualifier	Limits
Ba Carrier	78.5		30 - 110
Y Carrier	77.0		30 - 110

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3355 McLem... ...nve
Pensacola, ...14
Phone 850-474-1001 Fax: 850-478-2671

Chain of Custo... Record

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400-250931 COC

Client Information	Sampler: Dalton Kegley	Lab PM: Whitmire, Cheyenne R	King No(s):	COC No: 400-112841-29334.1
Client Contact: Dawit Yifru	Phone: 276-389-4485	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.	PWSID			Job #:
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: 276-389-4485	PO #: Purchase Order not required			
Email: dyifru@geosyntec.com	WO #:			
Project Name: Crisp County CCR	Project #: 40007960			
Site: Crisp County Power	SSOW#:			

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPC	SM4500_Cl_E - 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:
			Preservation Code:													
MW-U1-20240207	2/7/24	12:09	G	Water	N	N	X	X	X	X	X	X	X	X		pH = 7.82
MW-U2-20240207	2/7/24	13:15	G	Water	N	N	X	X	X	X	X	X	X	X		pH = 7.67
MW-D4-20240207	2/7/24	16:05	G	Water	N	N	X	X	X	X	X	X	X	X		pH = 7.60
MW-D5-20240207	2/7/24	15:55	G	Water	N	N	X	X	X	X	X	X	X	X		pH = 6.94
MW-D6-20240207	2/7/24	13:40	G	Water	N	N	X	X	X	X	X	X	X	X		pH = 7.91
MW-D7-20240208	2/8/24	11:00	G	Water	N	N	X	X	X	X	X	X	X	X		pH = 7.46
MW-D8-20240208	2/8/24	12:38	G	Water	N	N	X	X	X	X	X	X	X	X		pH = 7.47
MW-D9-20240208	2/8/24	11:45	G	Water	N	N	X	X	X	X	X	X	X	X		pH = 7.73
DUP-10-20240207	2/7/24	12:00	G	Water	N	N	X	X	X	X	X	X	X	X		
FB-04-20240208	2/8/24	12:00	G	Water	N	N	X	X	X	X	X	X	X	X		DK
EB-05-20240208	2/8/24	12:00	G	Water	N	N	X	X	X	X	X	X	X	X		

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Dalton Kegley	2/7/24	Geosyntec		2.9.24 9:40	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks: 3.5, 1.1, 1.1 IR8

Ver: 06/08/2021

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

Chain of Custody Record

eurofins Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-345024.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: Georgia	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Florida; NELAP - Louisiana (All)		Job #: 400-250931-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/13/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Crisp County CCR	Project #: 40007960			
Site:	SSOW#:			

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

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226/PrecSep_21 Standard Target List	9320_Ra228/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
MW-U1-20240207 (400-250931-1)	2/7/24	12:09 Eastern		Water			X	X	X	1	
MW-U2-20240207 (400-250931-2)	2/7/24	13:15 Eastern		Water			X	X	X	1	
MW-D4-20240207 (400-250931-3)	2/7/24	16:05 Eastern		Water			X	X	X	1	
MW-D5-20240207 (400-250931-4)	2/7/24	15:55 Eastern		Water			X	X	X	1	
MW-D6-20240207 (400-250931-5)	2/7/24	13:40 Eastern		Water			X	X	X	1	
MW-D7-20240208 (400-250931-6)	2/8/24	11:00 Eastern		Water			X	X	X	1	
MW-D8-20240208 (400-250931-7)	2/8/24	12:38 Eastern		Water			X	X	X	1	
MW-D9-20240208 (400-250931-8)	2/8/24	11:45 Eastern		Water			X	X	X	1	
DUP-10-20240207 (400-250931-9)	2/7/24	12:00 Eastern		Water			X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification
Unconfirmed
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ________ *Months*
Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:		Time:	Method of Shipment:	
Relinquished by: [signature]	Date/Time: 2/12/24 1 PW	Company: EETS	Received by: Sierra Worthington	Date/Time: 2/13/24 0900	Company: ETASR
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-345024.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin: Georgia	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Florida; NELAP - Louisiana (All)		Job #: 400-250931-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/13/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Crisp County CCR	Project #: 40007960			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9315_Ra226/PrecSep_21 Standard Target List	9320_Ra228/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
FB-04-20240208 (400-250931-10)	2/8/24	12:00 Eastern		Water			X	X	X	1	
EB-05-20240208 (400-250931-11)	2/8/24	12:00 Eastern		Water			X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

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

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
		2/12/24 1700	EGS	Sierra Worthington	2/13/24 0900	EGSPEN
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 400-250931-2

Login Number: 250931
List Number: 1
Creator: Roberts, Alexis J

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.5°C, 1.1°C, 1.1°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

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

Job ID: 400-250931-2

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	04-06-25
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	03-31-24
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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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

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JOB DESCRIPTION

Crisp County Power

JOB NUMBER

400-255090-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

myEOL

Job Notes

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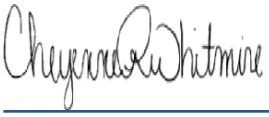
The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed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

Job Narrative
400-255090-1

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 temperatures of the 2 coolers at receipt time were 0.0º C and 2.0º C.

General Chemistry
Method SM 4500 SO4 E: The opening continuing calibration verification (CCV) associated with the method blank (MB) and laboratory control sample (LCS) on batch 400-671539 recovered below the lower control limit for Sulfate. The associated MB was non-detect for sulfate and the LCS recovered within acceptance limits. No client samples were associated with this CCV. (LCS 400-671539/20) and (MB 400-671539/19).

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

Detection Summary

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

Job ID: 400-255090-1

Client Sample ID: MW-D4-20240424 — Lab Sample ID: 400-255090-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.00042	J B	0.0025	0.00034	mg/L	1		6020B	Total Recoverable
Barium	0.018		0.0025	0.00089	mg/L	1		6020B	Total Recoverable
Boron	0.027	J	0.050	0.022	mg/L	1		6020B	Total Recoverable
Calcium	52		0.25	0.14	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	180		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Fluoride	0.16		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	1.4	J	5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	7.36				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-D5-20240424 — Lab Sample ID: 400-255090-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.028		0.0025	0.00089	mg/L	1		6020B	Total Recoverable
Boron	0.029	J	0.050	0.022	mg/L	1		6020B	Total Recoverable
Calcium	34		0.25	0.14	mg/L	1		6020B	Total Recoverable
Lead	0.00040	J	0.0013	0.00021	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	130		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	5.7		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.029	J	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	3.7	J	5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	6.76				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-D6-20230424 — Lab Sample ID: 400-255090-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0084		0.0025	0.00089	mg/L	1		6020B	Total Recoverable
Boron	0.027	J	0.050	0.022	mg/L	1		6020B	Total Recoverable
Calcium	40		0.25	0.14	mg/L	1		6020B	Total Recoverable
Chromium	0.0017	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	3.7		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.081	J	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	4.9	J	5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	8.04				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-D7-20240424 — Lab Sample ID: 400-255090-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.095		0.0025	0.00089	mg/L	1		6020B	Total Recoverable
Boron	0.053		0.050	0.022	mg/L	1		6020B	Total Recoverable
Calcium	70		0.25	0.14	mg/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Client Sample ID: MW-D7-20240424 (Continued) — Lab Sample ID: 400-255090-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.00080	J	0.0025	0.00022	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	280		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	4.2		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.069	J	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	8.5		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	7.36				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-D8-20240424 — Lab Sample ID: 400-255090-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.055		0.0025	0.00089	mg/L	1		6020B	Total Recoverable
Boron	0.062		0.050	0.022	mg/L	1		6020B	Total Recoverable
Calcium	81		0.25	0.14	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	240		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	5.8		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.050	J	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	25		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	7.27				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-D9-20240424 — Lab Sample ID: 400-255090-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.053		0.0025	0.00089	mg/L	1		6020B	Total Recoverable
Boron	0.064		0.050	0.022	mg/L	1		6020B	Total Recoverable
Calcium	84		0.25	0.14	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	250		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	5.9		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.050	J	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	24		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	7.60				SU	1		Field Sampling	Total/NA

Client Sample ID: DUP-11-20240424 — Lab Sample ID: 400-255090-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.00039	J B	0.0025	0.00034	mg/L	1		6020B	Total Recoverable
Barium	0.042		0.0025	0.00089	mg/L	1		6020B	Total Recoverable
Calcium	58		0.25	0.14	mg/L	1		6020B	Total Recoverable
Cobalt	0.00023	J	0.0025	0.00022	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	160		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	1.6	J	2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.078	J	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

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

Job ID: 400-255090-1

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: 400-255090-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-255090-1	MW-D4-20240424	Water	04/24/24 09:18	04/26/24 09:03
400-255090-2	MW-D5-20240424	Water	04/24/24 09:17	04/26/24 09:03
400-255090-3	MW-D6-20230424	Water	04/23/24 15:51	04/26/24 09:03
400-255090-4	MW-D7-20240424	Water	04/24/24 12:10	04/26/24 09:03
400-255090-5	MW-D8-20240424	Water	04/24/24 10:43	04/26/24 09:03
400-255090-6	MW-D9-20240424	Water	04/24/24 11:12	04/26/24 09:03
400-255090-7	DUP-11-20240424	Water	04/24/24 00:00	04/26/24 09:03

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

Job ID: 400-255090-1

Client Sample ID: MW-D4-20240424

Date Collected: 04/24/24 09:18
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255090-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.00042**	**J B**	0.0025	0.00034	mg/L		05/01/24 09:01	05/01/24 21:01	1
Arsenic	ND		0.0013	0.00086	mg/L		05/01/24 09:01	05/01/24 21:01	1
Barium	**0.018**		0.0025	0.00089	mg/L		05/01/24 09:01	05/01/24 21:01	1
Beryllium	ND		0.0020	0.00020	mg/L		05/01/24 09:01	05/01/24 21:01	1
Boron	**0.027**	**J**	0.050	0.022	mg/L		05/01/24 09:01	05/01/24 21:01	1
Cadmium	ND		0.0010	0.000078	mg/L		05/01/24 09:01	05/01/24 21:01	1
Calcium	**52**		0.25	0.14	mg/L		05/01/24 09:01	05/01/24 21:01	1
Chromium	ND		0.0025	0.0012	mg/L		05/01/24 09:01	05/01/24 21:01	1
Cobalt	ND		0.0025	0.00022	mg/L		05/01/24 09:01	05/01/24 21:01	1
Lead	ND		0.0013	0.00021	mg/L		05/01/24 09:01	05/01/24 21:01	1
Lithium	ND		0.0025	0.0020	mg/L		05/01/24 09:01	05/01/24 21:01	1
Molybdenum	ND		0.010	0.00086	mg/L		05/01/24 09:01	05/01/24 21:01	1
Selenium	ND		0.0013	0.00099	mg/L		05/01/24 09:01	05/01/24 21:01	1
Thallium	ND		0.00050	0.00026	mg/L		05/01/24 09:01	05/01/24 21:01	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 10:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**180**		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 17:26	1
Fluoride (SM 4500 F C)	**0.16**		0.10	0.022	mg/L			04/30/24 11:35	1
Sulfate (SM 4500 SO4 E)	**1.4**	**J**	5.0	1.4	mg/L			05/10/24 11:15	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.36**				SU			04/24/24 08:18	1

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

Job ID: 400-255090-1

Client Sample ID: MW-D5-20240424

Date Collected: 04/24/24 09:17
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255090-2

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 21:13	1
Arsenic	ND		0.0013	0.00086	mg/L		05/01/24 09:01	05/01/24 21:13	1
Barium	**0.028**		0.0025	0.00089	mg/L		05/01/24 09:01	05/01/24 21:13	1
Beryllium	ND		0.0020	0.00020	mg/L		05/01/24 09:01	05/01/24 21:13	1
Boron	**0.029**	**J**	0.050	0.022	mg/L		05/01/24 09:01	05/01/24 21:13	1
Cadmium	ND		0.0010	0.000078	mg/L		05/01/24 09:01	05/01/24 21:13	1
Calcium	**34**		0.25	0.14	mg/L		05/01/24 09:01	05/01/24 21:13	1
Chromium	ND		0.0025	0.0012	mg/L		05/01/24 09:01	05/01/24 21:13	1
Cobalt	ND		0.0025	0.00022	mg/L		05/01/24 09:01	05/01/24 21:13	1
Lead	**0.00040**	**J**	0.0013	0.00021	mg/L		05/01/24 09:01	05/01/24 21:13	1
Lithium	ND		0.0025	0.0020	mg/L		05/01/24 09:01	05/01/24 21:13	1
Molybdenum	ND		0.010	0.00086	mg/L		05/01/24 09:01	05/01/24 21:13	1
Selenium	ND		0.0013	0.00099	mg/L		05/01/24 09:01	05/01/24 21:13	1
Thallium	ND		0.00050	0.00026	mg/L		05/01/24 09:01	05/01/24 21:13	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 10:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**130**		5.0	5.0	mg/L			05/01/24 12:14	1
Chloride (SM 4500 Cl- E)	**5.7**		2.0	1.4	mg/L			05/02/24 17:28	1
Fluoride (SM 4500 F C)	**0.029**	**J**	0.10	0.022	mg/L			04/30/24 11:35	1
Sulfate (SM 4500 SO4 E)	**3.7**	**J**	5.0	1.4	mg/L			05/10/24 11:15	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.76**				SU			04/24/24 08:17	1

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

Job ID: 400-255090-1

Client Sample ID: MW-D6-20230424

Date Collected: 04/23/24 15:51
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255090-3

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 21:18	1
Arsenic	ND		0.0013	0.00086	mg/L		05/01/24 09:01	05/01/24 21:18	1
Barium	**0.0084**		0.0025	0.00089	mg/L		05/01/24 09:01	05/01/24 21:18	1
Beryllium	ND		0.0020	0.00020	mg/L		05/01/24 09:01	05/01/24 21:18	1
Boron	**0.027**	**J**	0.050	0.022	mg/L		05/01/24 09:01	05/01/24 21:18	1
Cadmium	ND		0.0010	0.000078	mg/L		05/01/24 09:01	05/01/24 21:18	1
Calcium	**40**		0.25	0.14	mg/L		05/01/24 09:01	05/01/24 21:18	1
Chromium	**0.0017**	**J**	0.0025	0.0012	mg/L		05/01/24 09:01	05/01/24 21:18	1
Cobalt	ND		0.0025	0.00022	mg/L		05/01/24 09:01	05/01/24 21:18	1
Lead	ND		0.0013	0.00021	mg/L		05/01/24 09:01	05/01/24 21:18	1
Lithium	ND		0.0025	0.0020	mg/L		05/01/24 09:01	05/01/24 21:18	1
Molybdenum	ND		0.010	0.00086	mg/L		05/01/24 09:01	05/01/24 21:18	1
Selenium	ND		0.0013	0.00099	mg/L		05/01/24 09:01	05/01/24 21:18	1
Thallium	ND		0.00050	0.00026	mg/L		05/01/24 09:01	05/01/24 21:18	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 10:42	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)	**3.7**		2.0	1.4	mg/L			05/02/24 17:28	1
Fluoride (SM 4500 F C)	**0.081**	**J**	0.10	0.022	mg/L			04/30/24 11:35	1
Sulfate (SM 4500 SO4 E)	**4.9**	**J**	5.0	1.4	mg/L			05/10/24 11:16	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**8.04**				SU			04/23/24 14:51	1

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

Job ID: 400-255090-1

Client Sample ID: MW-D7-20240424

Lab Sample ID: 400-255090-4

Date Collected: 04/24/24 12:10

Matrix: Water

Date Received: 04/26/24 09:03

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 21:22	1
Arsenic	ND		0.0013	0.00086	mg/L		05/01/24 09:01	05/01/24 21:22	1
Barium	**0.095**		0.0025	0.00089	mg/L		05/01/24 09:01	05/01/24 21:22	1
Beryllium	ND		0.0020	0.00020	mg/L		05/01/24 09:01	05/01/24 21:22	1
Boron	**0.053**		0.050	0.022	mg/L		05/01/24 09:01	05/01/24 21:22	1
Cadmium	ND		0.0010	0.000078	mg/L		05/01/24 09:01	05/01/24 21:22	1
Calcium	**70**		0.25	0.14	mg/L		05/01/24 09:01	05/01/24 21:22	1
Chromium	ND		0.0025	0.0012	mg/L		05/01/24 09:01	05/01/24 21:22	1
Cobalt	**0.00080**	**J**	0.0025	0.00022	mg/L		05/01/24 09:01	05/01/24 21:22	1
Lead	ND		0.0013	0.00021	mg/L		05/01/24 09:01	05/01/24 21:22	1
Lithium	ND		0.0025	0.0020	mg/L		05/01/24 09:01	05/01/24 21:22	1
Molybdenum	ND		0.010	0.00086	mg/L		05/01/24 09:01	05/01/24 21:22	1
Selenium	ND		0.0013	0.00099	mg/L		05/01/24 09:01	05/01/24 21:22	1
Thallium	ND		0.00050	0.00026	mg/L		05/01/24 09:01	05/01/24 21:22	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 10:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**280**		5.0	5.0	mg/L			05/01/24 12:14	1
Chloride (SM 4500 Cl- E)	**4.2**		2.0	1.4	mg/L			05/02/24 17:29	1
Fluoride (SM 4500 F C)	**0.069**	**J**	0.10	0.022	mg/L			04/30/24 11:35	1
Sulfate (SM 4500 SO4 E)	**8.5**		5.0	1.4	mg/L			05/10/24 11:16	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.36**				SU			04/24/24 11:10	1

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

Job ID: 400-255090-1

Client Sample ID: MW-D8-20240424

Date Collected: 04/24/24 10:43
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255090-5

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 21:26	1
Arsenic	ND		0.0013	0.00086	mg/L		05/01/24 09:01	05/01/24 21:26	1
Barium	**0.055**		0.0025	0.00089	mg/L		05/01/24 09:01	05/01/24 21:26	1
Beryllium	ND		0.0020	0.00020	mg/L		05/01/24 09:01	05/01/24 21:26	1
Boron	**0.062**		0.050	0.022	mg/L		05/01/24 09:01	05/01/24 21:26	1
Cadmium	ND		0.0010	0.000078	mg/L		05/01/24 09:01	05/01/24 21:26	1
Calcium	**81**		0.25	0.14	mg/L		05/01/24 09:01	05/01/24 21:26	1
Chromium	ND		0.0025	0.0012	mg/L		05/01/24 09:01	05/01/24 21:26	1
Cobalt	ND		0.0025	0.00022	mg/L		05/01/24 09:01	05/01/24 21:26	1
Lead	ND		0.0013	0.00021	mg/L		05/01/24 09:01	05/01/24 21:26	1
Lithium	ND		0.0025	0.0020	mg/L		05/01/24 09:01	05/01/24 21:26	1
Molybdenum	ND		0.010	0.00086	mg/L		05/01/24 09:01	05/01/24 21:26	1
Selenium	ND		0.0013	0.00099	mg/L		05/01/24 09:01	05/01/24 21:26	1
Thallium	ND		0.00050	0.00026	mg/L		05/01/24 09:01	05/01/24 21:26	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 10:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**240**		5.0	5.0	mg/L			05/01/24 12:14	1
Chloride (SM 4500 Cl- E)	**5.8**		2.0	1.4	mg/L			05/02/24 17:29	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)	**25**		5.0	1.4	mg/L			05/10/24 11:17	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.27**				SU			04/24/24 09:43	1

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

Job ID: 400-255090-1

Client Sample ID: MW-D9-20240424

Date Collected: 04/24/24 11:12
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255090-6

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 21:30	1
Arsenic	ND		0.0013	0.00086	mg/L		05/01/24 09:01	05/01/24 21:30	1
Barium	**0.053**		0.0025	0.00089	mg/L		05/01/24 09:01	05/01/24 21:30	1
Beryllium	ND		0.0020	0.00020	mg/L		05/01/24 09:01	05/01/24 21:30	1
Boron	**0.064**		0.050	0.022	mg/L		05/01/24 09:01	05/01/24 21:30	1
Cadmium	ND		0.0010	0.000078	mg/L		05/01/24 09:01	05/01/24 21:30	1
Calcium	**84**		0.25	0.14	mg/L		05/01/24 09:01	05/01/24 21:30	1
Chromium	ND		0.0025	0.0012	mg/L		05/01/24 09:01	05/01/24 21:30	1
Cobalt	ND		0.0025	0.00022	mg/L		05/01/24 09:01	05/01/24 21:30	1
Lead	ND		0.0013	0.00021	mg/L		05/01/24 09:01	05/01/24 21:30	1
Lithium	ND		0.0025	0.0020	mg/L		05/01/24 09:01	05/01/24 21:30	1
Molybdenum	ND		0.010	0.00086	mg/L		05/01/24 09:01	05/01/24 21:30	1
Selenium	ND		0.0013	0.00099	mg/L		05/01/24 09:01	05/01/24 21:30	1
Thallium	ND		0.00050	0.00026	mg/L		05/01/24 09:01	05/01/24 21:30	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 10:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**250**		5.0	5.0	mg/L			05/01/24 12:14	1
Chloride (SM 4500 Cl- E)	**5.9**		2.0	1.4	mg/L			05/02/24 17:30	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)	**24**		5.0	1.4	mg/L			05/10/24 11:17	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**7.60**				SU			04/24/24 10:12	1

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

Job ID: 400-255090-1

Client Sample ID: DUP-11-20240424
Date Collected: 04/24/24 00:00
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255090-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.00039**	**J B**	0.0025	0.00034	mg/L		05/01/24 09:01	05/01/24 21:42	1
Arsenic	ND		0.0013	0.00086	mg/L		05/01/24 09:01	05/01/24 21:42	1
Barium	**0.042**		0.0025	0.00089	mg/L		05/01/24 09:01	05/01/24 21:42	1
Beryllium	ND		0.0020	0.00020	mg/L		05/01/24 09:01	05/01/24 21:42	1
Boron	ND		0.050	0.022	mg/L		05/01/24 09:01	05/01/24 21:42	1
Cadmium	ND		0.0010	0.000078	mg/L		05/01/24 09:01	05/01/24 21:42	1
Calcium	**58**		0.25	0.14	mg/L		05/01/24 09:01	05/01/24 21:42	1
Chromium	ND		0.0025	0.0012	mg/L		05/01/24 09:01	05/01/24 21:42	1
Cobalt	**0.00023**	**J**	0.0025	0.00022	mg/L		05/01/24 09:01	05/01/24 21:42	1
Lead	ND		0.0013	0.00021	mg/L		05/01/24 09:01	05/01/24 21:42	1
Lithium	ND		0.0025	0.0020	mg/L		05/01/24 09:01	05/01/24 21:42	1
Molybdenum	ND		0.010	0.00086	mg/L		05/01/24 09:01	05/01/24 21:42	1
Selenium	ND		0.0013	0.00099	mg/L		05/01/24 09:01	05/01/24 21:42	1
Thallium	ND		0.00050	0.00026	mg/L		05/01/24 09:01	05/01/24 21:42	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 10:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**160**		5.0	5.0	mg/L			04/30/24 10:15	1
Chloride (SM 4500 Cl- E)	**1.6**	**J**	2.0	1.4	mg/L			05/02/24 17:30	1
Fluoride (SM 4500 F C)	**0.078**	**J**	0.10	0.022	mg/L			04/30/24 11:35	1
Sulfate (SM 4500 SO4 E)	ND		5.0	1.4	mg/L			05/14/24 17:58	1

Definitions/Glossary

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

Job ID: 400-255090-1

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.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
^-	Continuing Calibration Verification (CCV) is outside acceptance limits, low biased.
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: 400-255090-1

Client Sample ID: MW-D4-20240424

Lab Sample ID: 400-255090-1

Date Collected: 04/24/24 09:18

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 Recoverable	Prep	3005A			835692	RR	EET SAV	05/01/24 09:01
Total Recoverable	Analysis	6020B		1	835904	BWR	EET SAV	05/01/24 21:01
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 10:46
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 17:26
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	671139	KWS	EET PEN	05/10/24 11:15
Total/NA	Analysis	Field Sampling		1	671089	C1H	EET PEN	04/24/24 08:18

Client Sample ID: MW-D5-20240424

Lab Sample ID: 400-255090-2

Date Collected: 04/24/24 09:17

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 Recoverable	Prep	3005A			835692	RR	EET SAV	05/01/24 09:01
Total Recoverable	Analysis	6020B		1	835904	BWR	EET SAV	05/01/24 21:13
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 10:44
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 17:28
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 11:15
Total/NA	Analysis	Field Sampling		1	671089	C1H	EET PEN	04/24/24 08:17

Client Sample ID: MW-D6-20230424

Lab Sample ID: 400-255090-3

Date Collected: 04/23/24 15:51

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 Recoverable	Prep	3005A			835692	RR	EET SAV	05/01/24 09:01
Total Recoverable	Analysis	6020B		1	835904	BWR	EET SAV	05/01/24 21:18
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 10:42
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 17:28
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 11:16
Total/NA	Analysis	Field Sampling		1	671089	C1H	EET PEN	04/23/24 14:51

Lab Chronicle

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

Job ID: 400-255090-1

Client Sample ID: MW-D7-20240424

Lab Sample ID: 400-255090-4

Date Collected: 04/24/24 12:10

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 Recoverable	Prep	3005A			835692	RR	EET SAV	05/01/24 09:01
Total Recoverable	Analysis	6020B		1	835904	BWR	EET SAV	05/01/24 21:22
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 10:40
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 17:29
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 11:16
Total/NA	Analysis	Field Sampling		1	671089	C1H	EET PEN	04/24/24 11:10

Client Sample ID: MW-D8-20240424

Lab Sample ID: 400-255090-5

Date Collected: 04/24/24 10:43

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 Recoverable	Prep	3005A			835692	RR	EET SAV	05/01/24 09:01
Total Recoverable	Analysis	6020B		1	835904	BWR	EET SAV	05/01/24 21:26
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 10:38
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 17:29
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 11:17
Total/NA	Analysis	Field Sampling		1	671089	C1H	EET PEN	04/24/24 09:43

Client Sample ID: MW-D9-20240424

Lab Sample ID: 400-255090-6

Date Collected: 04/24/24 11:12

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 Recoverable	Prep	3005A			835692	RR	EET SAV	05/01/24 09:01
Total Recoverable	Analysis	6020B		1	835904	BWR	EET SAV	05/01/24 21:30
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 10:36
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 17:30
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 11:17
Total/NA	Analysis	Field Sampling		1	671089	C1H	EET PEN	04/24/24 10:12

Lab Chronicle

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

Job ID: 400-255090-1

Client Sample ID: DUP-11-20240424

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

Lab Sample ID: 400-255090-7

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 21:42
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 10:30
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 17:30
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	671539	CJK	EET PEN	05/14/24 17:58

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
400-255090-1	MW-D4-20240424	Total Recoverable	Water	3005A	
400-255090-2	MW-D5-20240424	Total Recoverable	Water	3005A	
400-255090-3	MW-D6-20230424	Total Recoverable	Water	3005A	
400-255090-4	MW-D7-20240424	Total Recoverable	Water	3005A	
400-255090-5	MW-D8-20240424	Total Recoverable	Water	3005A	
400-255090-6	MW-D9-20240424	Total Recoverable	Water	3005A	
400-255090-7	DUP-11-20240424	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	
400-255090-1 MS	MW-D4-20240424	Total Recoverable	Water	3005A	
400-255090-1 MSD	MW-D4-20240424	Total Recoverable	Water	3005A	

Analysis Batch: 835904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255090-1	MW-D4-20240424	Total Recoverable	Water	6020B	835692
400-255090-2	MW-D5-20240424	Total Recoverable	Water	6020B	835692
400-255090-3	MW-D6-20230424	Total Recoverable	Water	6020B	835692
400-255090-4	MW-D7-20240424	Total Recoverable	Water	6020B	835692
400-255090-5	MW-D8-20240424	Total Recoverable	Water	6020B	835692
400-255090-6	MW-D9-20240424	Total Recoverable	Water	6020B	835692
400-255090-7	DUP-11-20240424	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
400-255090-1 MS	MW-D4-20240424	Total Recoverable	Water	6020B	835692
400-255090-1 MSD	MW-D4-20240424	Total Recoverable	Water	6020B	835692

Prep Batch: 836157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255090-1	MW-D4-20240424	Total/NA	Water	7470A	
400-255090-2	MW-D5-20240424	Total/NA	Water	7470A	
400-255090-3	MW-D6-20230424	Total/NA	Water	7470A	
400-255090-4	MW-D7-20240424	Total/NA	Water	7470A	
400-255090-5	MW-D8-20240424	Total/NA	Water	7470A	
400-255090-6	MW-D9-20240424	Total/NA	Water	7470A	
400-255090-7	DUP-11-20240424	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	
400-255090-7 MS	DUP-11-20240424	Total/NA	Water	7470A	
400-255090-7 MSD	DUP-11-20240424	Total/NA	Water	7470A	

Analysis Batch: 836331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255090-1	MW-D4-20240424	Total/NA	Water	7470A	836157
400-255090-2	MW-D5-20240424	Total/NA	Water	7470A	836157
400-255090-3	MW-D6-20230424	Total/NA	Water	7470A	836157
400-255090-4	MW-D7-20240424	Total/NA	Water	7470A	836157
400-255090-5	MW-D8-20240424	Total/NA	Water	7470A	836157
400-255090-6	MW-D9-20240424	Total/NA	Water	7470A	836157
400-255090-7	DUP-11-20240424	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

Metals (Continued)

Analysis Batch: 836331 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255090-7 MS	DUP-11-20240424	Total/NA	Water	7470A	836157
400-255090-7 MSD	DUP-11-20240424	Total/NA	Water	7470A	836157

General Chemistry

Analysis Batch: 669873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255090-3	MW-D6-20230424	Total/NA	Water	SM 2540C	
400-255090-7	DUP-11-20240424	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
400-255090-1	MW-D4-20240424	Total/NA	Water	SM 4500 F C	
400-255090-2	MW-D5-20240424	Total/NA	Water	SM 4500 F C	
400-255090-3	MW-D6-20230424	Total/NA	Water	SM 4500 F C	
400-255090-4	MW-D7-20240424	Total/NA	Water	SM 4500 F C	
400-255090-5	MW-D8-20240424	Total/NA	Water	SM 4500 F C	
400-255090-6	MW-D9-20240424	Total/NA	Water	SM 4500 F C	
400-255090-7	DUP-11-20240424	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	
400-255090-5 DU	MW-D8-20240424	Total/NA	Water	SM 4500 F C	

Analysis Batch: 670073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255090-1	MW-D4-20240424	Total/NA	Water	SM 2540C	
400-255090-2	MW-D5-20240424	Total/NA	Water	SM 2540C	
400-255090-4	MW-D7-20240424	Total/NA	Water	SM 2540C	
400-255090-5	MW-D8-20240424	Total/NA	Water	SM 2540C	
400-255090-6	MW-D9-20240424	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
400-255090-1	MW-D4-20240424	Total/NA	Water	SM 4500 Cl- E	
400-255090-2	MW-D5-20240424	Total/NA	Water	SM 4500 Cl- E	
400-255090-3	MW-D6-20230424	Total/NA	Water	SM 4500 Cl- E	
400-255090-4	MW-D7-20240424	Total/NA	Water	SM 4500 Cl- E	
400-255090-5	MW-D8-20240424	Total/NA	Water	SM 4500 Cl- E	
400-255090-6	MW-D9-20240424	Total/NA	Water	SM 4500 Cl- E	
400-255090-7	DUP-11-20240424	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	

General Chemistry (Continued)

Analysis Batch: 670327 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 400-670327/46	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-255090-1 MS	MW-D4-20240424	Total/NA	Water	SM 4500 Cl- E	
400-255090-1 MSD	MW-D4-20240424	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 671139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255090-1	MW-D4-20240424	Total/NA	Water	SM 4500 SO4 E	
400-255090-2	MW-D5-20240424	Total/NA	Water	SM 4500 SO4 E	
400-255090-3	MW-D6-20230424	Total/NA	Water	SM 4500 SO4 E	
400-255090-4	MW-D7-20240424	Total/NA	Water	SM 4500 SO4 E	
400-255090-5	MW-D8-20240424	Total/NA	Water	SM 4500 SO4 E	
400-255090-6	MW-D9-20240424	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-B-1 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
400-255094-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 671539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255090-7	DUP-11-20240424	Total/NA	Water	SM 4500 SO4 E	
MB 400-671539/19	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-671539/20	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-671539/24	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-255090-7 MS	DUP-11-20240424	Total/NA	Water	SM 4500 SO4 E	
400-255090-7 MSD	DUP-11-20240424	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
400-255090-1	MW-D4-20240424	Total/NA	Water	Field Sampling	
400-255090-2	MW-D5-20240424	Total/NA	Water	Field Sampling	
400-255090-3	MW-D6-20230424	Total/NA	Water	Field Sampling	
400-255090-4	MW-D7-20240424	Total/NA	Water	Field Sampling	
400-255090-5	MW-D8-20240424	Total/NA	Water	Field Sampling	
400-255090-6	MW-D9-20240424	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: 400-255090-1 MS
Matrix: Water
Analysis Batch: 835904

Client Sample ID: MW-D4-20240424
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: 400-255090-1 MS
Matrix: Water
Analysis Batch: 835904

Client Sample ID: MW-D4-20240424
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: 400-255090-1 MSD
Matrix: Water
Analysis Batch: 835904

Client Sample ID: MW-D4-20240424
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: 400-255090-7 MS
Matrix: Water
Analysis Batch: 836331

Client Sample ID: DUP-11-20240424
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: 400-255090-7 MSD
Matrix: Water
Analysis Batch: 836331

Client Sample ID: DUP-11-20240424
Prep Type: Total/NA
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

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

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

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

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

Client Sample ID: MW-D4-20240424
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	ND		10.0	10.5		mg/L		105	73 - 120

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

Client Sample ID: MW-D4-20240424
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	10.7		mg/L		107	73 - 120	3	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

Method: SM 4500 F C - Fluoride (Continued)

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-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: 400-255090-5 DU
Matrix: Water
Analysis Batch: 669910

Client Sample ID: MW-D8-20240424
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		

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

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

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

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

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

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

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

Lab Sample ID: MB 400-671539/19
Matrix: Water
Analysis Batch: 671539

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			05/14/24 17:35	1

Lab Sample ID: LCS 400-671539/20
Matrix: Water
Analysis Batch: 671539

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	15.0	14.6	^-	mg/L		98	90 - 110

Lab Sample ID: MRL 400-671539/24
Matrix: Water
Analysis Batch: 671539

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	5.00	5.82		mg/L		116	50 - 150

Lab Sample ID: 400-255090-7 MS
Matrix: Water
Analysis Batch: 671539

Client Sample ID: DUP-11-20240424
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	ND		10.0	10.3		mg/L		103	77 - 128

Lab Sample ID: 400-255090-7 MSD
Matrix: Water
Analysis Batch: 671539

Client Sample ID: DUP-11-20240424
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	ND		10.0	10.6		mg/L		106	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	Carrier Tracking No(s):	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			400-255090 COC
Phone: 770-371-6027	PO #: Purchase Order not required			
Email: dyifru@geosyntec.com	WO #:			Other:
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	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	D	D	D	D	D	D	D	X	
MW-D4-20240424	04/24/24	0918	G	Water	N	X	X	X	X	X	X	X	X		pH = 7.36
MW-D5-20240424	04/24/24	0917	G	Water	N	X	X	X	X	X	X	X	X		pH = 6.76
MW-D6-20240423	04/23/24	15:51	G	Water	N	X	X	X	X	X	X	X	X		pH = 8.04
MW-D7-20240424	04/24/24	12:10	G	Water	N	X	X	X	X	X	X	X	X		pH = 7.36
MW-D8-20240424	04/24/24	10:43	G	Water	N	X	X	X	X	X	X	X	X		pH = 7.27
MW-D9-20240424	04/24/24	11:12	G	Water	N	X	X	X	X	X	X	X	X		pH = 7.60
DUP-11-20240424	04/24/24	00:00	G	Water	N	X	X	X	X	X	X	X	X		
				Water											
				Water											
				Water											
				Water											

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Tristan Halberman	4/25/24 11:30	Geosyntec	AP	04/26/24 0903	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks: 2.0°C IR10

Ver: 06/08/2021

5/16/2024

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 400-255090-1

Login Number: 255090
List Number: 1
Creator: Earnest, Tamantha

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C 2.0°C IR11
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

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

Job ID: 400-255090-1

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: 400-255090-1

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

400-255090-2

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

myEOL

Job Notes

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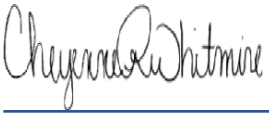
The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed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

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: 400-255090-2

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: 400-255090-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-255090-1	MW-D4-20240424	Water	04/24/24 09:18	04/26/24 09:03
400-255090-2	MW-D5-20240424	Water	04/24/24 09:17	04/26/24 09:03
400-255090-3	MW-D6-20230424	Water	04/23/24 15:51	04/26/24 09:03
400-255090-4	MW-D7-20240424	Water	04/24/24 12:10	04/26/24 09:03
400-255090-5	MW-D8-20240424	Water	04/24/24 10:43	04/26/24 09:03
400-255090-6	MW-D9-20240424	Water	04/24/24 11:12	04/26/24 09:03
400-255090-7	DUP-11-20240424	Water	04/24/24 00:00	04/26/24 09:03

Client Sample ID: MW-D4-20240424

Date Collected: 04/24/24 09:18
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255090-1

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	0.0496	U	0.133	0.133	1.00	0.247	pCi/L	05/02/24 08:33	05/24/24 07:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.0*		*30 - 110*	*05/02/24 08:33*	*05/24/24 07:55*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.285	U	0.279	0.281	1.00	0.446	pCi/L	05/02/24 08:41	05/23/24 11:44	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.0*		*30 - 110*	*05/02/24 08:41*	*05/23/24 11:44*	*1*
Y Carrier	*83.7*		*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	0.335	U	0.309	0.311	5.00	0.446	pCi/L		05/25/24 06:59	1

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

Job ID: 400-255090-2

Client Sample ID: MW-D5-20240424

Lab Sample ID: 400-255090-2

Date Collected: 04/24/24 09:17

Matrix: Water

Date Received: 04/26/24 09:03

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0901	U	0.0860	0.0863	1.00	0.133	pCi/L	05/02/24 08:25	06/02/24 15:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.2*		*30 - 110*	*05/02/24 08:25*	*06/02/24 15:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.378	U	0.372	0.374	1.00	0.600	pCi/L	05/02/24 08:31	05/29/24 11:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.2*		*30 - 110*	*05/02/24 08:31*	*05/29/24 11:55*	*1*
Y Carrier	*76.3*		*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	0.468	U	0.382	0.384	5.00	0.600	pCi/L		06/04/24 07:23	1

Client Sample ID: MW-D6-20230424

Date Collected: 04/23/24 15:51
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255090-3

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	0.0349	U	0.0762	0.0763	1.00	0.138	pCi/L	05/02/24 08:25	06/02/24 15:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.7*		*30 - 110*	*05/02/24 08:25*	*06/02/24 15:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.660**		0.378	0.382	1.00	0.541	pCi/L	05/02/24 08:31	05/29/24 11:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.7*		*30 - 110*	*05/02/24 08:31*	*05/29/24 11:55*	*1*
Y Carrier	*75.5*		*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	**0.695**		0.386	0.390	5.00	0.541	pCi/L		06/04/24 07:23	1

Client Sample ID: MW-D7-20240424

Date Collected: 04/24/24 12:10
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255090-4

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	0.107	U	0.0894	0.0900	1.00	0.133	pCi/L	05/02/24 08:25	06/02/24 15:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.0*		*30 - 110*	*05/02/24 08:25*	*06/02/24 15:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.374	U	0.303	0.305	1.00	0.465	pCi/L	05/02/24 08:31	05/29/24 11:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.0*		*30 - 110*	*05/02/24 08:31*	*05/29/24 11:55*	*1*
Y Carrier	*78.5*		*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	**0.481**		0.316	0.318	5.00	0.465	pCi/L		06/04/24 07:23	1

Client Sample ID: MW-D8-20240424

Date Collected: 04/24/24 10:43
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255090-5

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0884	U	0.0970	0.0973	1.00	0.156	pCi/L	05/02/24 08:25	06/02/24 15:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.1*		*30 - 110*	*05/02/24 08:25*	*06/02/24 15:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.602	U	0.413	0.417	1.00	0.624	pCi/L	05/02/24 08:31	05/29/24 11:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.1*		*30 - 110*	*05/02/24 08:31*	*05/29/24 11:55*	*1*
Y Carrier	*77.4*		*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	**0.691**		0.424	0.428	5.00	0.624	pCi/L		06/04/24 07:23	1

Client Sample ID: MW-D9-20240424

Date Collected: 04/24/24 11:12
Date Received: 04/26/24 09:03

Lab Sample ID: 400-255090-6

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0484	U	0.0809	0.0811	1.00	0.141	pCi/L	05/02/24 08:25	06/02/24 15:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.9*		*30 - 110*	*05/02/24 08:25*	*06/02/24 15:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0337	U	0.253	0.253	1.00	0.474	pCi/L	05/02/24 08:31	05/29/24 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.9*		*30 - 110*	*05/02/24 08:31*	*05/29/24 11:54*	*1*
Y Carrier	*78.9*		*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	0.0821	U	0.266	0.266	5.00	0.474	pCi/L		06/04/24 07:23	1

Client Sample ID: DUP-11-20240424

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

Lab Sample ID: 400-255090-7

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.130	U	0.0935	0.0942	1.00	0.131	pCi/L	05/02/24 08:25	06/02/24 15:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.2*		*30 - 110*	*05/02/24 08:25*	*06/02/24 15:27*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.390	U	0.335	0.337	1.00	0.524	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	*74.4*		*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	0.520	U	0.348	0.350	5.00	0.524	pCi/L		06/04/24 07:23	1

Definitions/Glossary

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

Job ID: 400-255090-2

Qualifiers

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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: 400-255090-2

Client Sample ID: MW-D4-20240424
Lab Sample ID: 400-255090-1
Date Collected: 04/24/24 09:18
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 07:55
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-D5-20240424
Lab Sample ID: 400-255090-2
Date Collected: 04/24/24 09:17
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			659657	MLT	EET SL	05/02/24 08:25
Total/NA	Analysis	9315		1	664291	SCB	EET SL	06/02/24 15:27
Total/NA	Prep	PrecSep_0			659660	MLT	EET SL	05/02/24 08:31
Total/NA	Analysis	9320		1	663739	SCB	EET SL	05/29/24 11:55
Total/NA	Analysis	Ra226_Ra228		1	664520	FLC	EET SL	06/04/24 07:23

Client Sample ID: MW-D6-20230424
Lab Sample ID: 400-255090-3
Date Collected: 04/23/24 15:51
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			659657	MLT	EET SL	05/02/24 08:25
Total/NA	Analysis	9315		1	664291	SCB	EET SL	06/02/24 15:27
Total/NA	Prep	PrecSep_0			659660	MLT	EET SL	05/02/24 08:31
Total/NA	Analysis	9320		1	663739	SCB	EET SL	05/29/24 11:55
Total/NA	Analysis	Ra226_Ra228		1	664520	FLC	EET SL	06/04/24 07:23

Client Sample ID: MW-D7-20240424
Lab Sample ID: 400-255090-4
Date Collected: 04/24/24 12:10
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			659657	MLT	EET SL	05/02/24 08:25
Total/NA	Analysis	9315		1	664291	SCB	EET SL	06/02/24 15:27
Total/NA	Prep	PrecSep_0			659660	MLT	EET SL	05/02/24 08:31
Total/NA	Analysis	9320		1	663739	SCB	EET SL	05/29/24 11:55
Total/NA	Analysis	Ra226_Ra228		1	664520	FLC	EET SL	06/04/24 07:23

Lab Chronicle

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

Job ID: 400-255090-2

Client Sample ID: MW-D8-20240424
Lab Sample ID: 400-255090-5
Date Collected: 04/24/24 10:43
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			659657	MLT	EET SL	05/02/24 08:25
Total/NA	Analysis	9315		1	664291	SCB	EET SL	06/02/24 15:27
Total/NA	Prep	PrecSep_0			659660	MLT	EET SL	05/02/24 08:31
Total/NA	Analysis	9320		1	663739	SCB	EET SL	05/29/24 11:55
Total/NA	Analysis	Ra226_Ra228		1	664520	FLC	EET SL	06/04/24 07:23

Client Sample ID: MW-D9-20240424
Lab Sample ID: 400-255090-6
Date Collected: 04/24/24 11:12
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			659657	MLT	EET SL	05/02/24 08:25
Total/NA	Analysis	9315		1	664291	SCB	EET SL	06/02/24 15:27
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: DUP-11-20240424
Lab Sample ID: 400-255090-7
Date Collected: 04/24/24 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			659657	MLT	EET SL	05/02/24 08:25
Total/NA	Analysis	9315		1	664291	SCB	EET SL	06/02/24 15:27
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

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

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Prep Batch: 659657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255090-2	MW-D5-20240424	Total/NA	Water	PrecSep-21	
400-255090-3	MW-D6-20230424	Total/NA	Water	PrecSep-21	
400-255090-4	MW-D7-20240424	Total/NA	Water	PrecSep-21	
400-255090-5	MW-D8-20240424	Total/NA	Water	PrecSep-21	
400-255090-6	MW-D9-20240424	Total/NA	Water	PrecSep-21	
400-255090-7	DUP-11-20240424	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
400-255090-2	MW-D5-20240424	Total/NA	Water	PrecSep_0	
400-255090-3	MW-D6-20230424	Total/NA	Water	PrecSep_0	
400-255090-4	MW-D7-20240424	Total/NA	Water	PrecSep_0	
400-255090-5	MW-D8-20240424	Total/NA	Water	PrecSep_0	
400-255090-6	MW-D9-20240424	Total/NA	Water	PrecSep_0	
400-255090-7	DUP-11-20240424	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	

Prep Batch: 659708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-255090-1	MW-D4-20240424	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
400-255090-1	MW-D4-20240424	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 160-659657/1-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*

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

Method: 9315 - Radium-226 (GFPC) (Continued)

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

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 160-659660/1-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

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		

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

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

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

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

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		

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

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	Carrier Tracking No(s):	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			400-255090 COC
Phone: 770-371-6027	PO #: Purchase Order not required			
Email: dyifru@geosyntec.com	WO #:			Other:
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	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X								X	
MW-D4-20240424	04/24/24	0918	G	Water	N	X	X	X	X	X	X	X	X		pH = 7.36
MW-D5-20240424	04/24/24	0917	G	Water	N	X	X	X	X	X	X	X	X		pH = 6.76
MW-D6-20240423	04/23/24	15:51	G	Water	N	X	X	X	X	X	X	X	X		pH = 8.04
MW-D7-20240424	04/24/24	12:10	G	Water	N	X	X	X	X	X	X	X	X		pH = 7.36
MW-D8-20240424	04/24/24	10:43	G	Water	N	X	X	X	X	X	X	X	X		pH = 7.27
MW-D9-20240424	04/24/24	11:12	G	Water	N	X	X	X	X	X	X	X	X		pH = 7.60
DUP-11-20240424	04/24/24	00:00	G	Water	N	X	X	X	X	X	X	X	X		
				Water											
				Water											
				Water											
				Water											

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Tristan Halberman	4/25/24 11:30	Geosyntec	AP	04/26/24 [illegible]	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 0903	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks: ~~0.0 IR~~ 2.0°C IR10

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 400-255090-2

Login Number: 255090
List Number: 1
Creator: Earnest, Tamantha

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C 2.0°C IR11
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

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

Job ID: 400-255090-2

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

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JOB DESCRIPTION

Crisp County Power

JOB NUMBER

400-255094-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

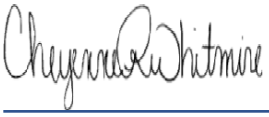
See page two for job notes and contact information.

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

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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

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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

400-255094-2

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

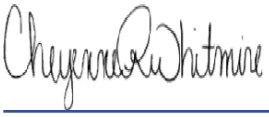
See page two for job notes and contact information.

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											

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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 Analysis Reports

Prediction Limit

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input Printed 7/2/2024, 9:13 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-D4	0.34	n/a	4/24/2024	0.027J	No	35	n/a	n/a	65.71	n/a	n/a	0.001475	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-D5	0.34	n/a	4/24/2024	0.029J	No	35	n/a	n/a	65.71	n/a	n/a	0.001475	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-D6	0.34	n/a	4/23/2024	0.027J	No	35	n/a	n/a	65.71	n/a	n/a	0.001475	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-D7	0.34	n/a	4/24/2024	0.053	No	35	n/a	n/a	65.71	n/a	n/a	0.001475	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-D8	0.34	n/a	4/24/2024	0.062	No	35	n/a	n/a	65.71	n/a	n/a	0.001475	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-D9	0.34	n/a	4/24/2024	0.064	No	35	n/a	n/a	65.71	n/a	n/a	0.001475	NP Inter (NDs) 1 of 2
Calcium (mg/L)	**MW-D4**	**42.57**	**n/a**	**4/24/2024**	**52**	**Yes**	**34**	**1066**	**420.4**	**0**	**None**	**x^2**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	MW-D5	42.57	n/a	4/24/2024	34	No	34	1066	420.4	0	None	x^2	0.002505	Param Inter 1 of 2
Calcium (mg/L)	MW-D6	42.57	n/a	4/23/2024	40	No	34	1066	420.4	0	None	x^2	0.002505	Param Inter 1 of 2
Calcium (mg/L)	**MW-D7**	**42.57**	**n/a**	**4/24/2024**	**70**	**Yes**	**34**	**1066**	**420.4**	**0**	**None**	**x^2**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-D8**	**42.57**	**n/a**	**4/24/2024**	**81**	**Yes**	**34**	**1066**	**420.4**	**0**	**None**	**x^2**	**0.002505**	**Param Inter 1 of 2**
Calcium (mg/L)	**MW-D9**	**42.57**	**n/a**	**4/24/2024**	**84**	**Yes**	**34**	**1066**	**420.4**	**0**	**None**	**x^2**	**0.002505**	**Param Inter 1 of 2**
Chloride (mg/L)	MW-D4	9.833	n/a	4/24/2024	1ND	No	34	n/a	n/a	8.824	n/a	n/a	0.001574	NP Inter (normality) 1 of 2
Chloride (mg/L)	MW-D5	9.833	n/a	4/24/2024	5.7	No	34	n/a	n/a	8.824	n/a	n/a	0.001574	NP Inter (normality) 1 of 2
Chloride (mg/L)	MW-D6	9.833	n/a	4/23/2024	3.7	No	34	n/a	n/a	8.824	n/a	n/a	0.001574	NP Inter (normality) 1 of 2
Chloride (mg/L)	MW-D7	9.833	n/a	4/24/2024	4.2	No	34	n/a	n/a	8.824	n/a	n/a	0.001574	NP Inter (normality) 1 of 2
Chloride (mg/L)	MW-D8	9.833	n/a	4/24/2024	5.8	No	34	n/a	n/a	8.824	n/a	n/a	0.001574	NP Inter (normality) 1 of 2
Chloride (mg/L)	MW-D9	9.833	n/a	4/24/2024	5.9	No	34	n/a	n/a	8.824	n/a	n/a	0.001574	NP Inter (normality) 1 of 2
Field pH (SU)	MW-D4	9.43	5.07	4/24/2024	7.36	No	35	n/a	n/a	0	n/a	n/a	0.00295	NP Inter (normality) 1 of 2
Field pH (SU)	MW-D5	9.43	5.07	4/24/2024	6.76	No	35	n/a	n/a	0	n/a	n/a	0.00295	NP Inter (normality) 1 of 2
Field pH (SU)	MW-D6	9.43	5.07	4/23/2024	8.04	No	35	n/a	n/a	0	n/a	n/a	0.00295	NP Inter (normality) 1 of 2
Field pH (SU)	MW-D7	9.43	5.07	4/24/2024	7.36	No	35	n/a	n/a	0	n/a	n/a	0.00295	NP Inter (normality) 1 of 2
Field pH (SU)	MW-D8	9.43	5.07	4/24/2024	7.27	No	35	n/a	n/a	0	n/a	n/a	0.00295	NP Inter (normality) 1 of 2
Field pH (SU)	MW-D9	9.43	5.07	4/24/2024	7.6	No	35	n/a	n/a	0	n/a	n/a	0.00295	NP Inter (normality) 1 of 2
Fluoride (mg/L)	MW-D4	0.45	n/a	4/24/2024	0.16	No	35	n/a	n/a	8.571	n/a	n/a	0.001475	NP Inter (normality) 1 of 2
Fluoride (mg/L)	MW-D5	0.45	n/a	4/24/2024	0.029J	No	35	n/a	n/a	8.571	n/a	n/a	0.001475	NP Inter (normality) 1 of 2
Fluoride (mg/L)	MW-D6	0.45	n/a	4/23/2024	0.081J	No	35	n/a	n/a	8.571	n/a	n/a	0.001475	NP Inter (normality) 1 of 2
Fluoride (mg/L)	MW-D7	0.45	n/a	4/24/2024	0.069J	No	35	n/a	n/a	8.571	n/a	n/a	0.001475	NP Inter (normality) 1 of 2
Fluoride (mg/L)	MW-D8	0.45	n/a	4/24/2024	0.05J	No	35	n/a	n/a	8.571	n/a	n/a	0.001475	NP Inter (normality) 1 of 2
Fluoride (mg/L)	MW-D9	0.45	n/a	4/24/2024	0.05J	No	35	n/a	n/a	8.571	n/a	n/a	0.001475	NP Inter (normality) 1 of 2
Sulfate (mg/L)	MW-D4	120	n/a	4/24/2024	1.4J	No	34	n/a	n/a	5.882	n/a	n/a	0.001574	NP Inter (normality) 1 of 2
Sulfate (mg/L)	MW-D5	120	n/a	4/24/2024	3.7J	No	34	n/a	n/a	5.882	n/a	n/a	0.001574	NP Inter (normality) 1 of 2
Sulfate (mg/L)	MW-D6	120	n/a	4/23/2024	4.9J	No	34	n/a	n/a	5.882	n/a	n/a	0.001574	NP Inter (normality) 1 of 2
Sulfate (mg/L)	MW-D7	120	n/a	4/24/2024	8.5	No	34	n/a	n/a	5.882	n/a	n/a	0.001574	NP Inter (normality) 1 of 2
Sulfate (mg/L)	MW-D8	120	n/a	4/24/2024	25	No	34	n/a	n/a	5.882	n/a	n/a	0.001574	NP Inter (normality) 1 of 2
Sulfate (mg/L)	MW-D9	120	n/a	4/24/2024	24	No	34	n/a	n/a	5.882	n/a	n/a	0.001574	NP Inter (normality) 1 of 2
Total Dissolved Solids...	MW-D4	183.9	n/a	4/24/2024	180	No	34	10.43	1.765	0	None	sqrt(x)	0.002505	Param Inter 1 of 2
Total Dissolved Solids...	MW-D5	183.9	n/a	4/24/2024	130	No	34	10.43	1.765	0	None	sqrt(x)	0.002505	Param Inter 1 of 2
Total Dissolved Solids...	MW-D6	183.9	n/a	4/23/2024	120	No	34	10.43	1.765	0	None	sqrt(x)	0.002505	Param Inter 1 of 2
Total Dissolved Solids...	**MW-D7**	**183.9**	**n/a**	**4/24/2024**	**280**	**Yes**	**34**	**10.43**	**1.765**	**0**	**None**	**sqrt(x)**	**0.002505**	**Param Inter 1 of 2**
Total Dissolved Solids...	**MW-D8**	**183.9**	**n/a**	**4/24/2024**	**240**	**Yes**	**34**	**10.43**	**1.765**	**0**	**None**	**sqrt(x)**	**0.002505**	**Param Inter 1 of 2**
Total Dissolved Solids...	**MW-D9**	**183.9**	**n/a**	**4/24/2024**	**250**	**Yes**	**34**	**10.43**	**1.765**	**0**	**None**	**sqrt(x)**	**0.002505**	**Param Inter 1 of 2**

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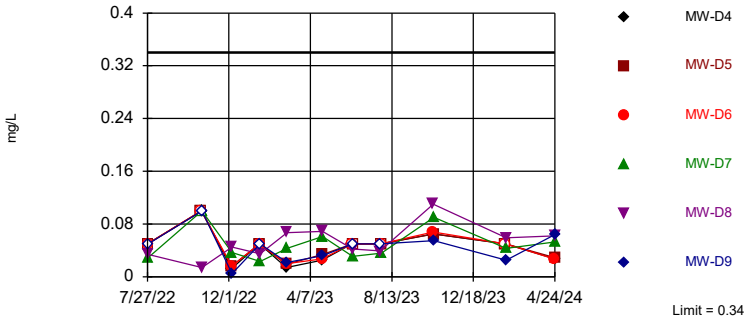
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 35 background values. 65.71% NDs. Annual per-constituent alpha = 0.008819. Individual comparison alpha = 0.001475 (1 of 2). Comparing 6 points to limit. Seasonality was not detected with 95% confidence.

Constituent: Boron Analysis Run 7/2/2024 9:10 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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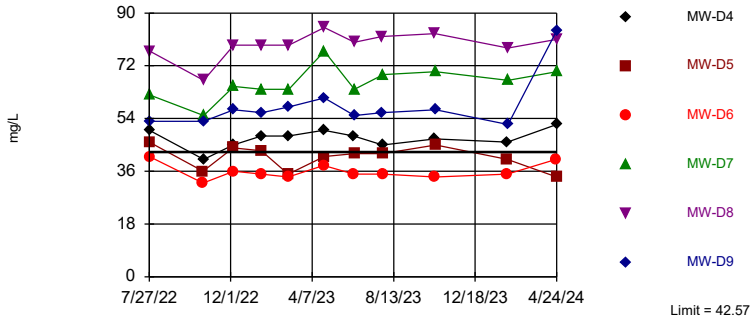
Exceeds Limit: MW-D4, MW-D7, MW-D8, MW-D9

Prediction Limit

Interwell Parametric



Background Data Summary (based on square transformation): Mean=1066, Std. Dev.=420.4, n=34. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9227, critical = 0.908. Kappa = 1.775 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.002505. Comparing 6 points to limit.

Constituent: Calcium Analysis Run 7/2/2024 9:10 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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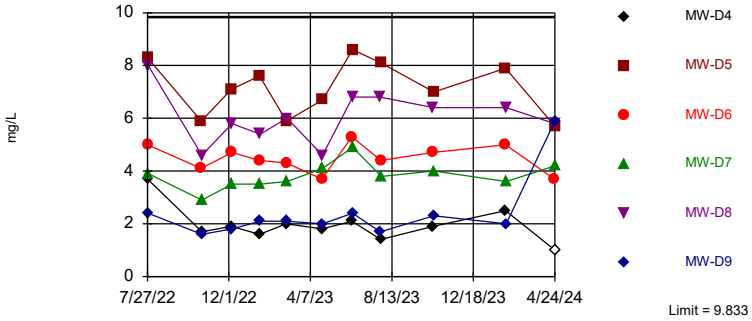
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 34 background values. 8.824% NDs. Annual per-constituent alpha = 0.009408. Individual comparison alpha = 0.001574 (1 of 2). Comparing 6 points to limit. Seasonality was not detected with 95% confidence.

Constituent: Chloride Analysis Run 7/2/2024 9:10 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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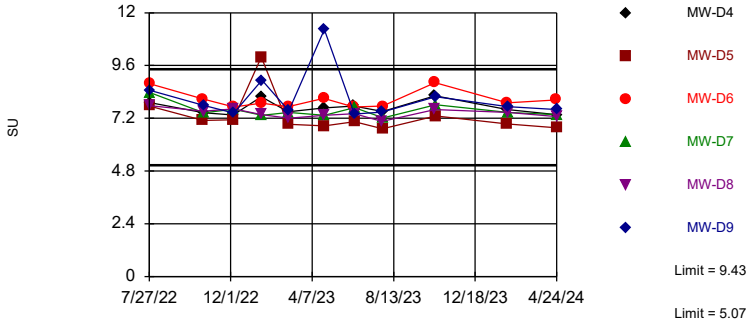
Within Limits

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 35 background values. Annual per-constituent alpha = 0.01764. Individual comparison alpha = 0.00295 (1 of 2). Comparing 6 points to limit. Seasonality was not detected with 95% confidence.

Constituent: Field pH Analysis Run 7/2/2024 9:10 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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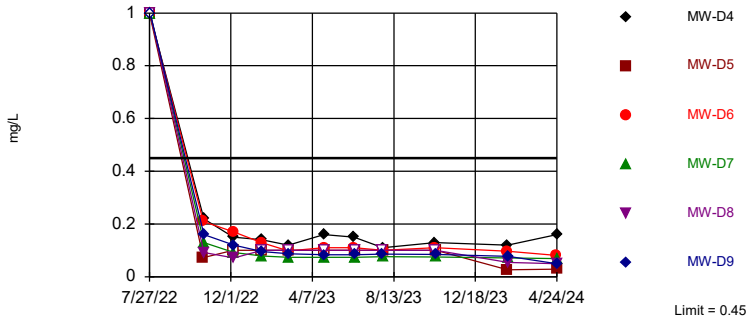
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 35 background values. 8.571% NDs. Annual per-constituent alpha = 0.008819. Individual comparison alpha = 0.001475 (1 of 2). Comparing 6 points to limit. Seasonality was not detected with 95% confidence.

Constituent: Fluoride Analysis Run 7/2/2024 9:10 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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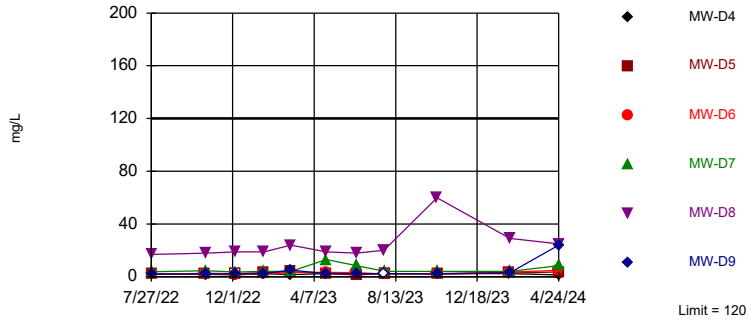
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 34 background values. 5.882% NDs. Annual per-constituent alpha = 0.009408. Individual comparison alpha = 0.001574 (1 of 2). Comparing 6 points to limit. Seasonality was not detected with 95% confidence.

Constituent: Sulfate Analysis Run 7/2/2024 9:10 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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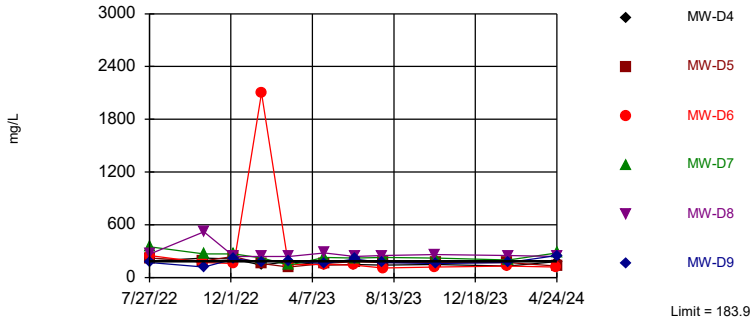
Exceeds Limit: MW-D7, MW-D8, MW-D9

Prediction Limit

Interwell Parametric



Background Data Summary (based on square root transformation): Mean=10.43, Std. Dev.=1.765, n=34. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9157, critical = 0.908. Kappa = 1.775 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.002505. Comparing 6 points to limit.

Constituent: Total Dissolved Solids Analysis Run 7/2/2024 9:10 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Summary Report

Constituent: Antimony Analysis Run 7/2/2024 10:55 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

For observations made between 2/28/2017 and 4/24/2024, a summary of the selected data set:

Observations = 94
ND/Trace = 94
Wells = 8
Minimum Value = 0.00042
Maximum Value = 0.005
Mean Value = 0.002643
Median Value = 0.0025
Standard Deviation = 0.0007344
Coefficient of Variation = 0.2779
Skewness = 1.927

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D4	11	10	0.00042	0.005	0.002538	0.0025	0.001028	0.4049	0.5234
MW-D5	11	11	0.0025	0.005	0.002727	0.0025	0.0007538	0.2764	2.846
MW-D6	11	11	0.0025	0.005	0.002727	0.0025	0.0007538	0.2764	2.846
MW-D7	11	11	0.0025	0.005	0.002727	0.0025	0.0007538	0.2764	2.846
MW-D8	11	11	0.0025	0.005	0.002727	0.0025	0.0007538	0.2764	2.846
MW-D9	11	11	0.0025	0.005	0.002727	0.0025	0.0007538	0.2764	2.846
MW-U2 (bg)	11	11	0.0025	0.005	0.002727	0.0025	0.0007538	0.2764	2.846
MW-U1 (bg)	17	17	0.0005	0.0025	0.002382	0.0025	0.0004851	0.2036	-3.75

Summary Report

Constituent: Arsenic Analysis Run 7/2/2024 10:55 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

For observations made between 2/28/2017 and 4/24/2024, a summary of the selected data set:

Observations = 100
ND/Trace = 94
Wells = 8
Minimum Value = 0.00015
Maximum Value = 0.0025
Mean Value = 0.001383
Median Value = 0.0013
Standard Deviation = 0.000368
Coefficient of Variation = 0.2662
Skewness = 1.734

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D4	11	11	0.0013	0.0025	0.001409	0.0013	0.0003618	0.2568	2.846
MW-D5	11	11	0.0013	0.0025	0.001409	0.0013	0.0003618	0.2568	2.846
MW-D6	11	11	0.0013	0.0025	0.001409	0.0013	0.0003618	0.2568	2.846
MW-D7	11	11	0.0013	0.0025	0.001409	0.0013	0.0003618	0.2568	2.846
MW-D8	11	11	0.0013	0.0025	0.001409	0.0013	0.0003618	0.2568	2.846
MW-D9	11	6	0.00095	0.0025	0.001414	0.0013	0.0003848	0.2722	2.162
MW-U2 (bg)	11	11	0.0013	0.0025	0.001409	0.0013	0.0003618	0.2568	2.846
MW-U1 (bg)	23	19	0.00015	0.0025	0.001292	0.0013	0.0004171	0.3229	-0.04788

Summary Report

Constituent: Barium Analysis Run 7/2/2024 10:55 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

For observations made between 2/28/2017 and 4/24/2024, a summary of the selected data set:

Observations = 101
ND/Trace = 14
Wells = 8
Minimum Value = 0.0018
Maximum Value = 0.15
Mean Value = 0.03085
Median Value = 0.025
Standard Deviation = 0.02938
Coefficient of Variation = 0.9524
Skewness = 1.365

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D4	11	0	0.018	0.039	0.02755	0.027	0.006846	0.2485	0.5057
MW-D5	11	0	0.022	0.062	0.03136	0.029	0.01058	0.3372	2.438
MW-D6	11	0	0.0081	0.012	0.009464	0.0092	0.001298	0.1371	0.8231
MW-D7	11	0	0.074	0.15	0.09436	0.087	0.02235	0.2369	1.585
MW-D8	11	0	0.048	0.059	0.05473	0.055	0.003875	0.07081	-0.5513
MW-D9	11	0	0.037	0.053	0.04236	0.041	0.004589	0.1083	1.213
MW-U2 (bg)	11	0	0.0092	0.043	0.01774	0.013	0.01047	0.5903	1.464
MW-U1 (bg)	24	0	0.0018	0.0062	0.002629	0.00225	0.001002	0.3809	2.222

Summary Report

Constituent: Beryllium Analysis Run 7/2/2024 10:55 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

For observations made between 2/28/2017 and 4/24/2024, a summary of the selected data set:

Observations = 94
ND/Trace = 94
Wells = 8
Minimum Value = 0.00028
Maximum Value = 0.004
Mean Value = 0.002119
Median Value = 0.002
Standard Deviation = 0.0005906
Coefficient of Variation = 0.2787
Skewness = 1.848

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D4	11	11	0.002	0.004	0.002182	0.002	0.000603	0.2764	2.846
MW-D5	11	10	0.00028	0.004	0.002025	0.002	0.0008337	0.4116	0.4308
MW-D6	11	11	0.002	0.004	0.002182	0.002	0.000603	0.2764	2.846
MW-D7	11	11	0.002	0.004	0.002182	0.002	0.000603	0.2764	2.846
MW-D8	11	11	0.002	0.004	0.002182	0.002	0.000603	0.2764	2.846
MW-D9	11	11	0.002	0.004	0.002182	0.002	0.000603	0.2764	2.846
MW-U2 (bg)	11	11	0.002	0.004	0.002182	0.002	0.000603	0.2764	2.846
MW-U1 (bg)	17	17	0.0004	0.0025	0.001935	0.002	0.0004137	0.2138	-3.124

Summary Report

Constituent: Cadmium Analysis Run 7/2/2024 10:55 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

For observations made between 2/28/2017 and 4/24/2024, a summary of the selected data set:

Observations = 95
ND/Trace = 93
Wells = 8
Minimum Value = 0.0002
Maximum Value = 0.0025
Mean Value = 0.001092
Median Value = 0.001
Standard Deviation = 0.0003285
Coefficient of Variation = 0.3007
Skewness = 2.411

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D4	11	11	0.001	0.002	0.001091	0.001	0.0003015	0.2764	2.846
MW-D5	11	11	0.001	0.002	0.001091	0.001	0.0003015	0.2764	2.846
MW-D6	11	11	0.001	0.002	0.001091	0.001	0.0003015	0.2764	2.846
MW-D7	11	10	0.00086	0.002	0.001078	0.001	0.0003086	0.2862	2.743
MW-D8	11	10	0.001	0.002	0.001109	0.001	0.0003015	0.2719	2.664
MW-D9	11	11	0.001	0.002	0.001091	0.001	0.0003015	0.2764	2.846
MW-U2 (bg)	11	10	0.001	0.002	0.001182	0.001	0.0004045	0.3423	1.65
MW-U1 (bg)	18	18	0.0002	0.0025	0.001039	0.001	0.0004104	0.395	2.214

Summary Report

Constituent: Chromium Analysis Run 7/2/2024 10:55 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

For observations made between 2/28/2017 and 4/24/2024, a summary of the selected data set:

Observations = 92
ND/Trace = 84
Wells = 8
Minimum Value = 0.001
Maximum Value = 0.039
Mean Value = 0.00325
Median Value = 0.0025
Standard Deviation = 0.004695
Coefficient of Variation = 1.445
Skewness = 6.174

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D4	10	8	0.0017	0.011	0.00352	0.0025	0.002764	0.7851	2.266
MW-D5	10	8	0.0016	0.026	0.00501	0.0025	0.007426	1.482	2.602
MW-D6	10	5	0.001	0.039	0.00622	0.0025	0.01158	1.862	2.612
MW-D7	10	9	0.0012	0.005	0.00262	0.0025	0.0009307	0.3552	1.541
MW-D8	10	8	0.0018	0.0044	0.00262	0.0025	0.000663	0.253	2.039
MW-D9	10	8	0.0014	0.0049	0.00263	0.0025	0.0008693	0.3305	1.751
MW-U2 (bg)	10	7	0.0017	0.0063	0.00303	0.0025	0.001436	0.474	1.541
MW-U1 (bg)	22	3	0.0011	0.0051	0.001932	0.00145	0.001111	0.575	2.059

Summary Report

Constituent: Cobalt Analysis Run 7/2/2024 10:55 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

For observations made between 2/28/2017 and 4/24/2024, a summary of the selected data set:

Observations = 99
ND/Trace = 98
Wells = 8
Minimum Value = 0.00023
Maximum Value = 0.005
Mean Value = 0.002476
Median Value = 0.0025
Standard Deviation = 0.0008925
Coefficient of Variation = 0.3604
Skewness = 0.7371

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D4	11	9	0.00057	0.005	0.002543	0.0025	0.0009982	0.3926	0.7546
MW-D5	11	10	0.0024	0.005	0.002718	0.0025	0.0007574	0.2786	2.838
MW-D6	11	10	0.0021	0.005	0.002691	0.0025	0.0007752	0.2881	2.712
MW-D7	11	5	0.00067	0.005	0.002041	0.0022	0.001273	0.6236	0.9106
MW-D8	11	10	0.0021	0.005	0.002691	0.0025	0.0007752	0.2881	2.712
MW-D9	11	9	0.00023	0.005	0.002539	0.0025	0.001069	0.421	0.2229
MW-U2 (bg)	11	9	0.00068	0.005	0.002535	0.0025	0.0009818	0.3874	0.9498
MW-U1 (bg)	22	21	0.0005	0.0025	0.002264	0.0025	0.0006253	0.2762	-2.316

Summary Report

Constituent: Combined Radium 226 + 228 Analysis Run 7/2/2024 10:55 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

For observations made between 2/28/2017 and 4/24/2024, a summary of the selected data set:

Observations = 101
ND/Trace = 0
Wells = 8
Minimum Value = -0.189
Maximum Value = 1.43
Mean Value = 0.4439
Median Value = 0.409
Standard Deviation = 0.3529
Coefficient of Variation = 0.795
Skewness = 0.6221

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D4	11	0	0.049	1.29	0.5447	0.519	0.3503	0.643	0.6422
MW-D5	11	0	0.219	0.807	0.503	0.468	0.1907	0.3791	0.221
MW-D6	11	0	-0.0527	1.43	0.5804	0.441	0.4694	0.8087	0.7227
MW-D7	11	0	-0.0315	1.22	0.5461	0.481	0.3698	0.677	0.3131
MW-D8	11	0	-0.0397	0.773	0.4199	0.51	0.2882	0.6864	-0.4417
MW-D9	11	0	-0.0298	0.887	0.3615	0.388	0.2668	0.7381	0.337
MW-U2 (bg)	11	0	0.0267	1.09	0.522	0.548	0.3781	0.7243	0.08897
MW-U1 (bg)	24	0	-0.189	1.39	0.2743	0.19	0.3621	1.32	1.234

Summary Report

Constituent: Fluoride Analysis Run 7/2/2024 10:55 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

For observations made between 2/28/2017 and 4/24/2024, a summary of the selected data set:

Observations = 101
ND/Trace = 72
Wells = 8
Minimum Value = 0.027
Maximum Value = 1
Mean Value = 0.1556
Median Value = 0.1
Standard Deviation = 0.221
Coefficient of Variation = 1.421
Skewness = 3.356

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D4	11	1	0.11	1	0.2236	0.15	0.2592	1.159	2.78
MW-D5	11	8	0.027	1	0.1663	0.1	0.278	1.672	2.79
MW-D6	11	1	0.081	1	0.2015	0.11	0.2675	1.328	2.749
MW-D7	11	1	0.069	1	0.1649	0.075	0.2775	1.683	2.826
MW-D8	11	7	0.05	1	0.1698	0.1	0.276	1.625	2.82
MW-D9	11	1	0.05	1	0.1753	0.086	0.2749	1.569	2.795
MW-U2 (bg)	11	0	0.041	0.45	0.1762	0.12	0.1263	0.7168	1.07
MW-U1 (bg)	24	3	0.04	0.13	0.06917	0.06	0.0223	0.3224	1.04

Summary Report

Constituent: Lead Analysis Run 7/2/2024 10:55 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

For observations made between 2/28/2017 and 4/24/2024, a summary of the selected data set:

Observations = 94
ND/Trace = 94
Wells = 8
Minimum Value = 0.00025
Maximum Value = 0.0025
Mean Value = 0.001358
Median Value = 0.0013
Standard Deviation = 0.0003625
Coefficient of Variation = 0.2669
Skewness = 1.758

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D4	11	11	0.0013	0.0025	0.001409	0.0013	0.0003618	0.2568	2.846
MW-D5	11	9	0.0004	0.0025	0.001295	0.0013	0.0004871	0.376	0.8973
MW-D6	11	11	0.0013	0.0025	0.001409	0.0013	0.0003618	0.2568	2.846
MW-D7	11	11	0.0013	0.0025	0.001409	0.0013	0.0003618	0.2568	2.846
MW-D8	11	11	0.0013	0.0025	0.001409	0.0013	0.0003618	0.2568	2.846
MW-D9	11	11	0.0013	0.0025	0.001409	0.0013	0.0003618	0.2568	2.846
MW-U2 (bg)	11	11	0.0013	0.0025	0.001409	0.0013	0.0003618	0.2568	2.846
MW-U1 (bg)	17	16	0.00025	0.0013	0.0012	0.0013	0.000291	0.2425	-2.637

Summary Report

Constituent: Lithium Analysis Run 7/2/2024 10:55 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

For observations made between 2/28/2017 and 4/24/2024, a summary of the selected data set:

Observations = 97
ND/Trace = 92
Wells = 8
Minimum Value = 0.00034
Maximum Value = 0.0067
Mean Value = 0.002826
Median Value = 0.0025
Standard Deviation = 0.001021
Coefficient of Variation = 0.3613
Skewness = 1.782

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D4	11	11	0.0025	0.005	0.002727	0.0025	0.0007538	0.2764	2.846
MW-D5	11	9	0.0025	0.0067	0.003364	0.0025	0.001534	0.456	1.268
MW-D6	11	10	0.0025	0.0056	0.003009	0.0025	0.001141	0.379	1.703
MW-D7	11	11	0.0025	0.005	0.002727	0.0025	0.0007538	0.2764	2.846
MW-D8	11	11	0.0025	0.005	0.002955	0.0025	0.001011	0.3423	1.65
MW-D9	11	10	0.0025	0.005	0.002945	0.0025	0.0009913	0.3366	1.652
MW-U2 (bg)	11	11	0.0025	0.005	0.002727	0.0025	0.0007538	0.2764	2.846
MW-U1 (bg)	20	18	0.00034	0.0058	0.002457	0.0025	0.001014	0.4125	1.057

Summary Report

Constituent: Mercury Analysis Run 7/2/2024 10:55 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

For observations made between 2/28/2017 and 4/24/2024, a summary of the selected data set:

Observations = 94
ND/Trace = 92
Wells = 8
Minimum Value = 0.000099
Maximum Value = 0.00022
Mean Value = 0.000199
Median Value = 0.0002
Standard Deviation = 0.00001108
Coefficient of Variation = 0.05566
Skewness = -7.873

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D4	11	11	0.0002	0.0002	0.0002	0.0002	0	0	NaN
MW-D5	11	11	0.0002	0.0002	0.0002	0.0002	0	0	NaN
MW-D6	11	11	0.0002	0.0002	0.0002	0.0002	0	0	NaN
MW-D7	11	11	0.0002	0.0002	0.0002	0.0002	0	0	NaN
MW-D8	11	10	0.0002	0.00022	0.0002018	0.0002	0.00000603	0.02988	2.846
MW-D9	11	9	0.00019	0.00022	0.0002009	0.0002	0.000007006	0.03487	1.724
MW-U2 (bg)	11	10	0.00018	0.0002	0.0001982	0.0002	0.00000603	0.03043	-2.846
MW-U1 (bg)	17	16	0.000099	0.0002	0.0001941	0.0002	0.0000245	0.1262	-3.75

Summary Report

Constituent: Molybdenum Analysis Run 7/2/2024 10:55 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

For observations made between 2/28/2017 and 4/24/2024, a summary of the selected data set:

Observations = 99
ND/Trace = 99
Wells = 8
Minimum Value = 0.00046
Maximum Value = 0.02
Mean Value = 0.009897
Median Value = 0.01
Standard Deviation = 0.003896
Coefficient of Variation = 0.3937
Skewness = 0.5426

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D4	11	10	0.0038	0.02	0.01035	0.01	0.003703	0.3579	1.279
MW-D5	11	10	0.0027	0.02	0.01025	0.01	0.003907	0.3813	0.8767
MW-D6	11	10	0.0027	0.02	0.01025	0.01	0.003907	0.3813	0.8767
MW-D7	11	10	0.0031	0.02	0.01028	0.01	0.003831	0.3726	1.021
MW-D8	11	9	0.00046	0.02	0.009333	0.01	0.004969	0.5325	0.1323
MW-D9	11	9	0.0023	0.02	0.009582	0.01	0.004527	0.4725	0.5345
MW-U2 (bg)	11	10	0.0033	0.02	0.0103	0.01	0.003793	0.3683	1.094
MW-U1 (bg)	22	21	0.0011	0.02	0.009368	0.01	0.003674	0.3922	-0.0169

Summary Report

Constituent: Selenium Analysis Run 7/2/2024 10:55 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

For observations made between 2/28/2017 and 4/24/2024, a summary of the selected data set:

Observations = 97
ND/Trace = 83
Wells = 8
Minimum Value = 0.00039
Maximum Value = 0.0039
Mean Value = 0.001531
Median Value = 0.0013
Standard Deviation = 0.0006716
Coefficient of Variation = 0.4387
Skewness = 1.381

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D4	11	8	0.0011	0.0036	0.001636	0.0013	0.000754	0.4608	1.907
MW-D5	11	9	0.001	0.0031	0.001545	0.0013	0.0006409	0.4147	1.732
MW-D6	11	8	0.0011	0.0025	0.001673	0.0013	0.0005658	0.3383	0.5946
MW-D7	11	9	0.001	0.0025	0.001591	0.0013	0.0005907	0.3713	0.9365
MW-D8	11	8	0.00098	0.0034	0.001762	0.0013	0.0008109	0.4603	0.8241
MW-D9	11	8	0.00084	0.0039	0.001749	0.0013	0.0009356	0.5349	1.346
MW-U2 (bg)	11	4	0.0011	0.0026	0.001636	0.0015	0.000524	0.3202	0.9347
MW-U1 (bg)	20	13	0.00039	0.0013	0.001049	0.0013	0.0003601	0.3434	-0.7762

Summary Report

Constituent: Thallium Analysis Run 7/2/2024 10:55 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

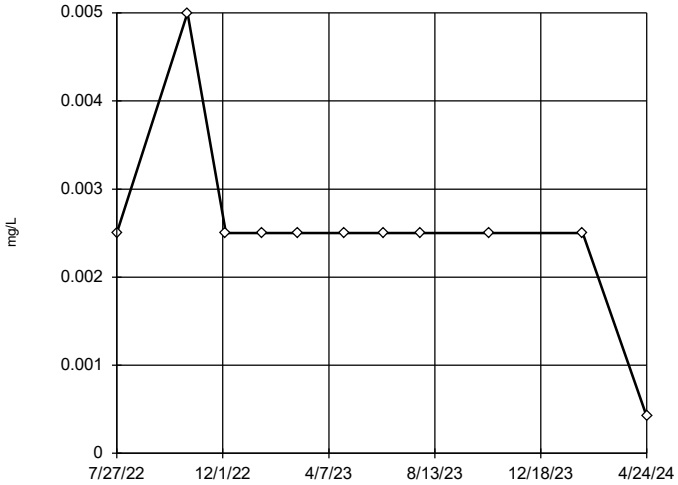
For observations made between 2/28/2017 and 4/24/2024, a summary of the selected data set:

Observations = 98
ND/Trace = 98
Wells = 8
Minimum Value = 0.0001
Maximum Value = 0.001
Mean Value = 0.0005316
Median Value = 0.0005
Standard Deviation = 0.0001367
Coefficient of Variation = 0.2571
Skewness = 2.581

Well	#Obs.	ND/Trace	Min	Max	Mean	Median	Std.Dev.	CV	Skewness
MW-D4	11	11	0.0005	0.001	0.0005455	0.0005	0.0001508	0.2764	2.846
MW-D5	11	11	0.0005	0.001	0.0005455	0.0005	0.0001508	0.2764	2.846
MW-D6	11	11	0.0005	0.001	0.0005455	0.0005	0.0001508	0.2764	2.846
MW-D7	11	11	0.0005	0.001	0.0005455	0.0005	0.0001508	0.2764	2.846
MW-D8	11	11	0.0005	0.001	0.0005455	0.0005	0.0001508	0.2764	2.846
MW-D9	11	11	0.0005	0.001	0.0005455	0.0005	0.0001508	0.2764	2.846
MW-U2 (bg)	11	11	0.0005	0.001	0.0005455	0.0005	0.0001508	0.2764	2.846
MW-U1 (bg)	21	21	0.0001	0.0005	0.000481	0.0005	0.00008729	0.1815	-4.249

Tukey's Outlier Screening

MW-D4



n = 11

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: Antimony Analysis Run 7/2/2024 10:56 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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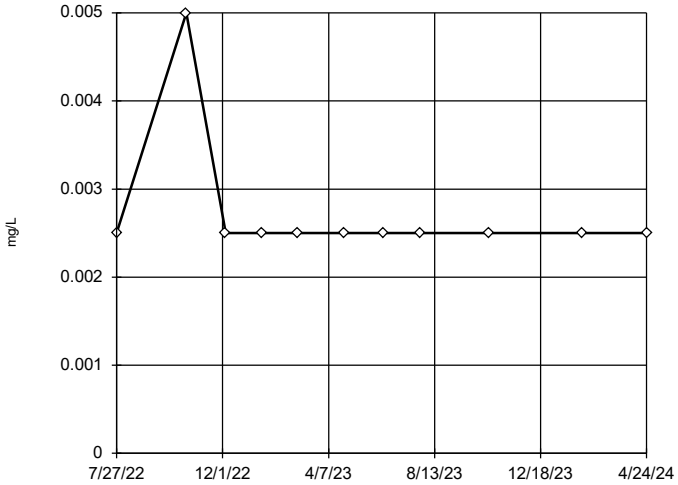
Tukey's Outlier Screening

MW-D5



n = 11

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: Antimony Analysis Run 7/2/2024 10:56 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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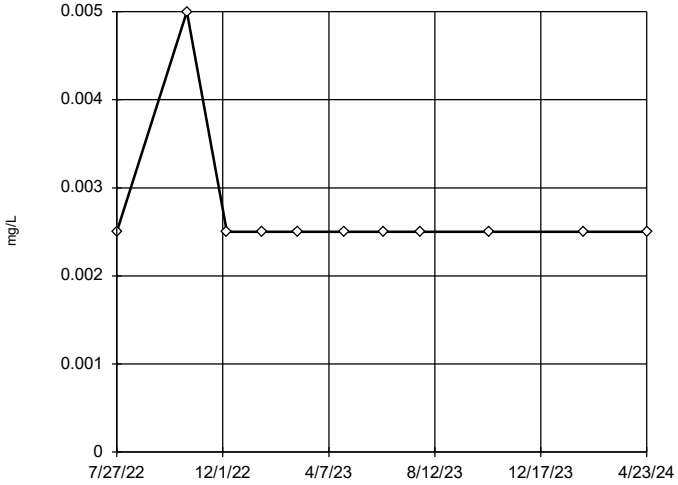
Tukey's Outlier Screening

MW-D6



n = 11

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: Antimony Analysis Run 7/2/2024 10:56 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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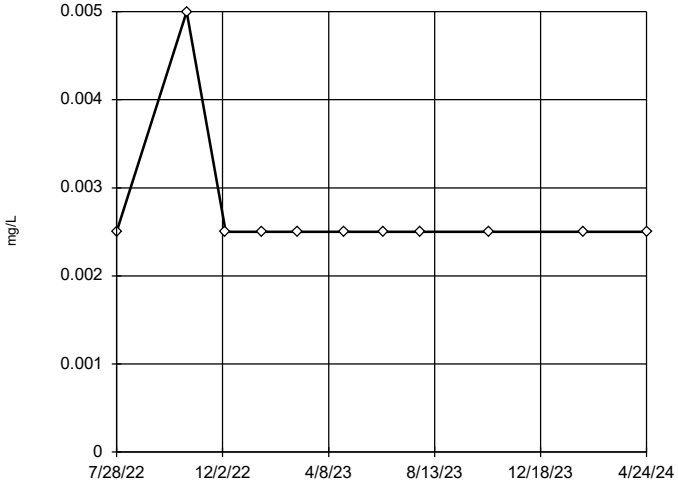
Tukey's Outlier Screening

MW-D7



n = 11

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

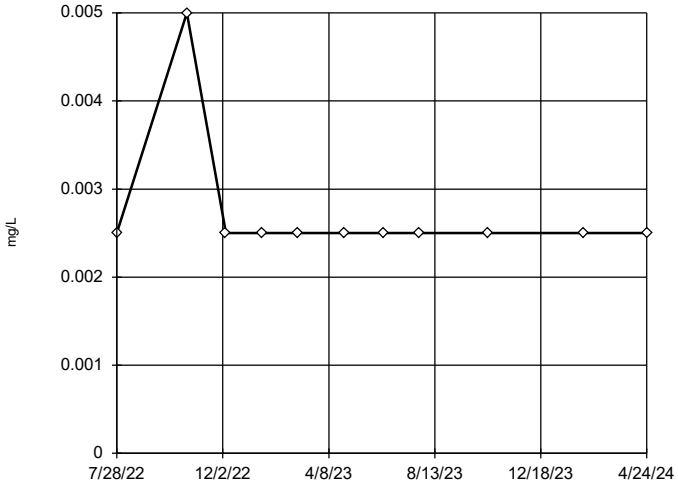
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 7/2/2024 10:56 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Tukey's Outlier Screening

MW-D8



n = 11

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: Antimony Analysis Run 7/2/2024 10:56 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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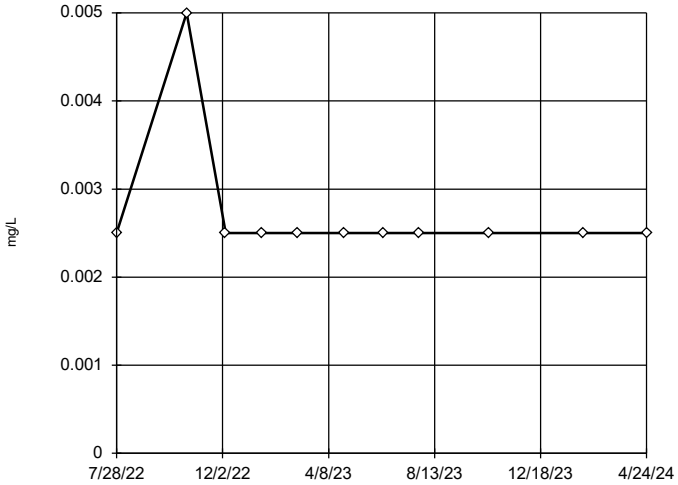
Tukey's Outlier Screening

MW-D9



n = 11

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: Antimony Analysis Run 7/2/2024 10:56 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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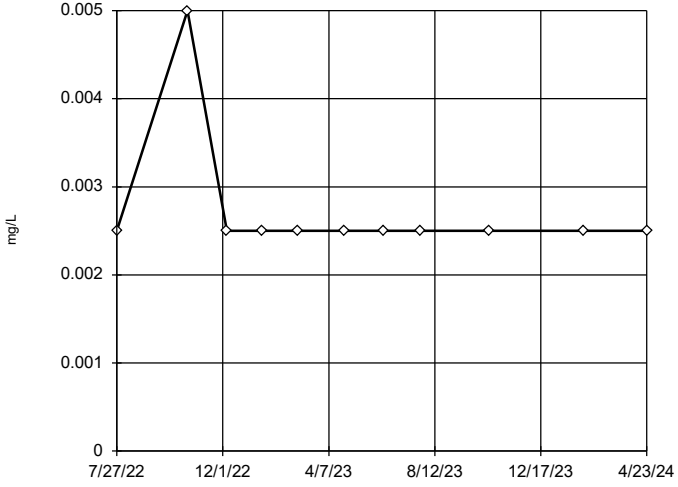
Tukey's Outlier Screening

MW-U2 (bg)



n = 11

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: Antimony Analysis Run 7/2/2024 10:56 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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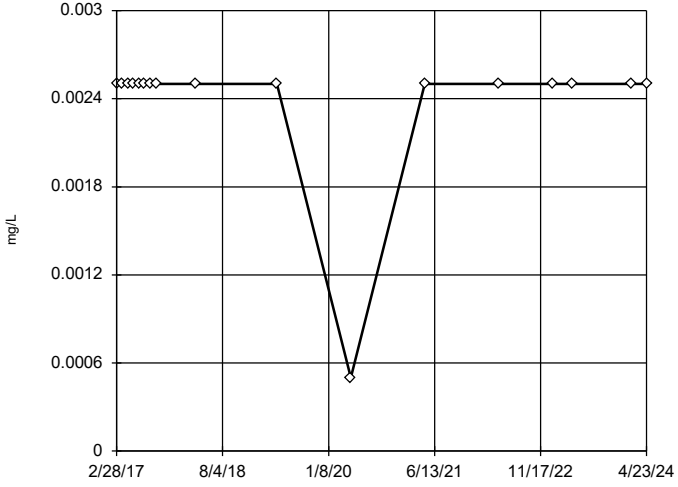
Tukey's Outlier Screening

MW-U1 (bg)



n = 17

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

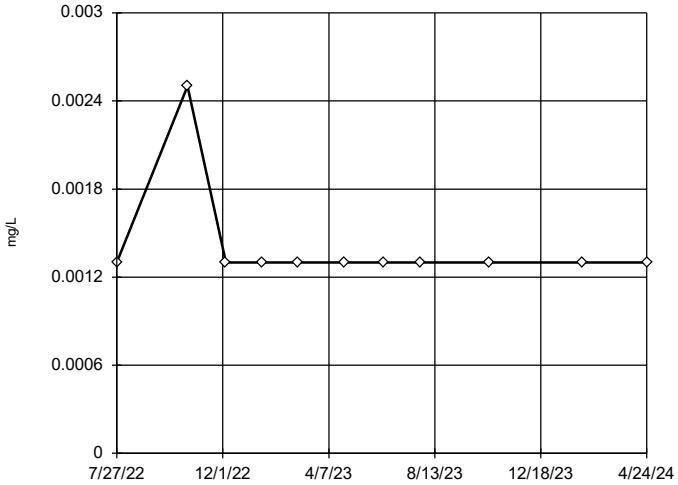
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 7/2/2024 10:56 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Tukey's Outlier Screening

MW-D4



n = 11

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 7/2/2024 10:56 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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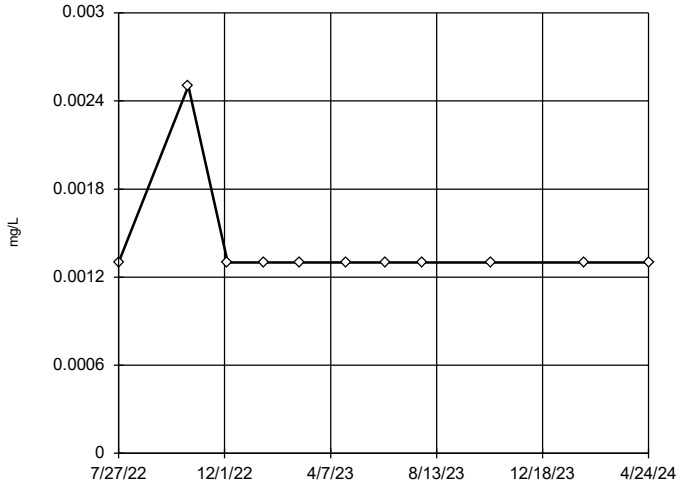
Tukey's Outlier Screening

MW-D5



n = 11

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.

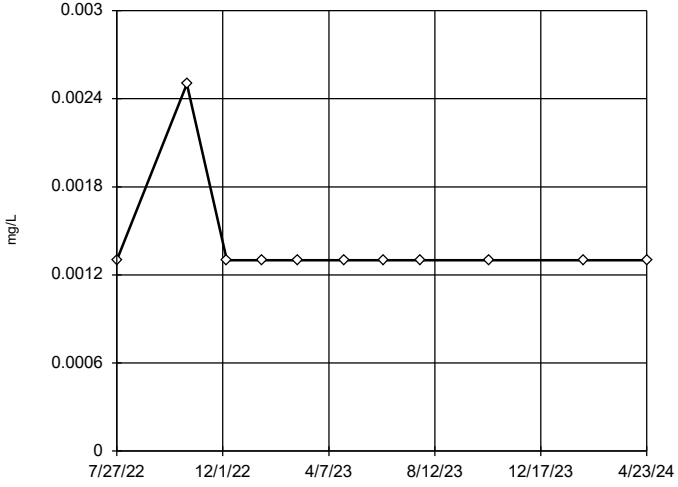
Constituent: Arsenic Analysis Run 7/2/2024 10:56 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D6



n = 11

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.

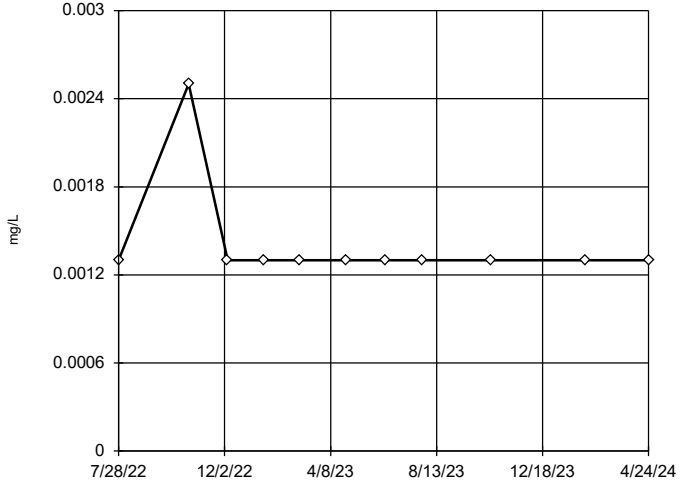
Constituent: Arsenic Analysis Run 7/2/2024 10:56 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D7



n = 11

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

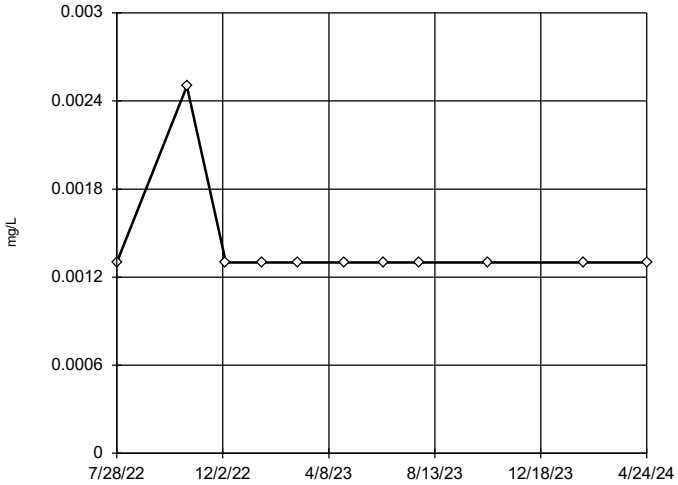
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 7/2/2024 10:56 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Tukey's Outlier Screening

MW-D8



n = 11

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 7/2/2024 10:56 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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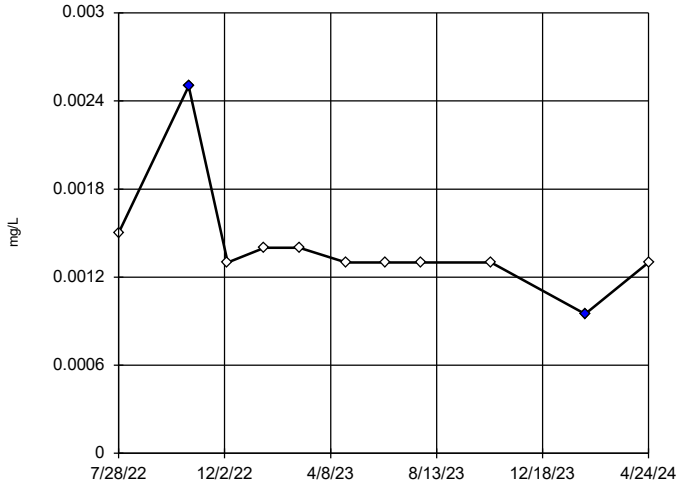
Tukey's Outlier Screening

MW-D9



n = 11

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.001749, low cutoff = 0.001041, based on IQR multiplier of 3.

Constituent: Arsenic Analysis Run 7/2/2024 10:56 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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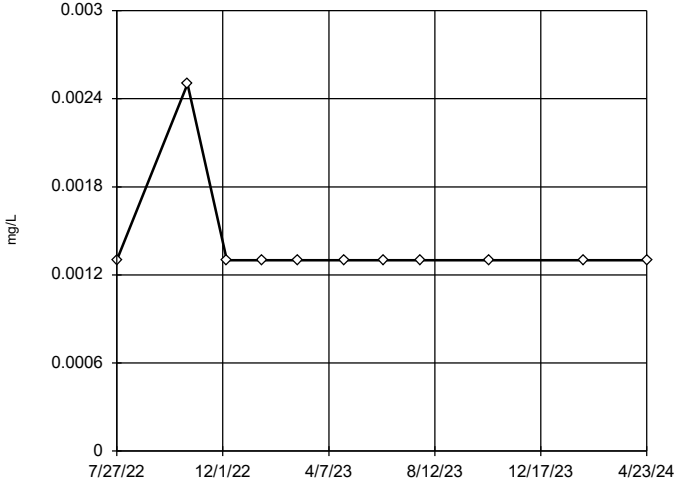
Tukey's Outlier Screening

MW-U2 (bg)



n = 11

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 7/2/2024 10:56 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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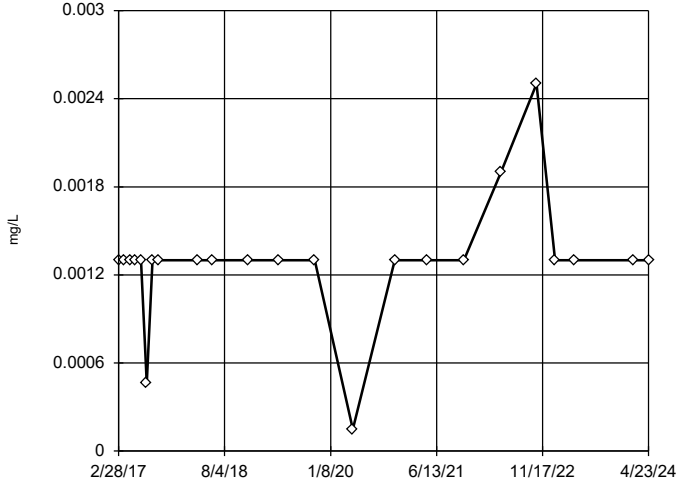
Tukey's Outlier Screening

MW-U1 (bg)



n = 23

No outliers found.
Tukey's method selected by user.

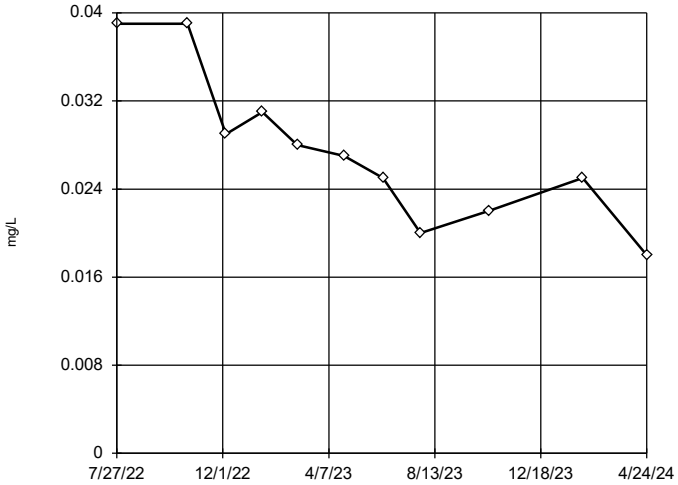
Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 7/2/2024 10:56 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Tukey's Outlier Screening

MW-D4



n = 11

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 = 0.08673, low cutoff = 0.007863, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 7/2/2024 10:56 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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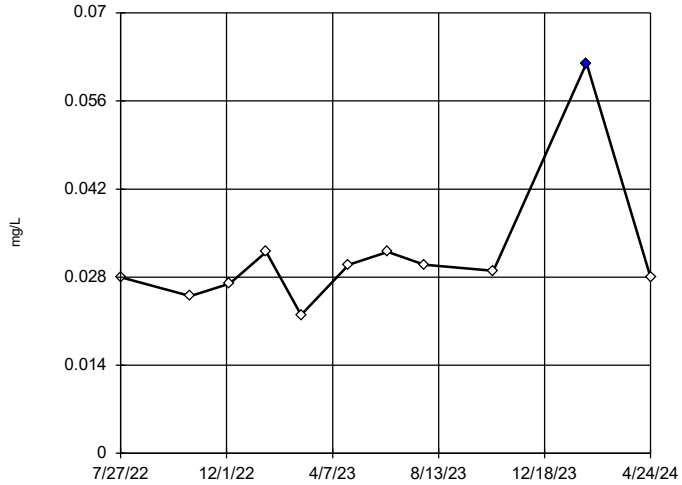
Tukey's Outlier Screening

MW-D5



n = 11

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 = 0.05327, low cutoff = 0.01622, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 7/2/2024 10:56 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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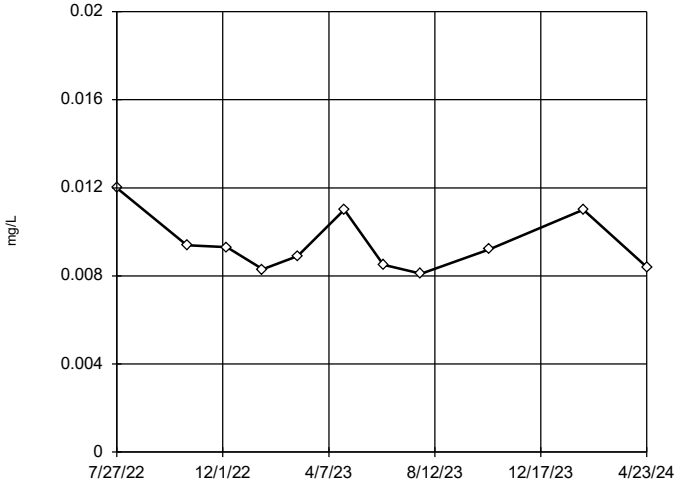
Tukey's Outlier Screening

MW-D6



n = 11

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 = 0.0247, low cutoff = 0.003741, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 7/2/2024 10:56 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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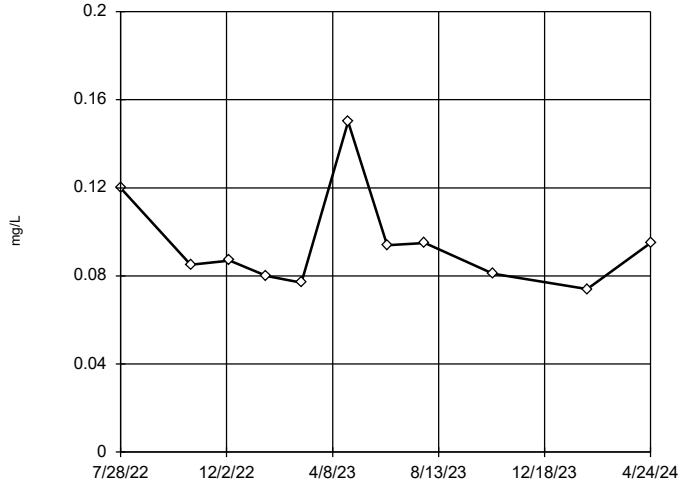
Tukey's Outlier Screening

MW-D7



n = 11

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

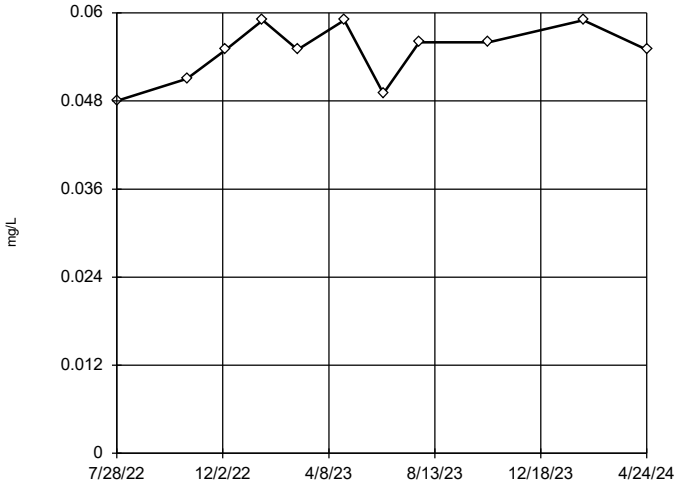
High cutoff = 0.1591, low cutoff = 0.04777, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 7/2/2024 10:56 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Tukey's Outlier Screening

MW-D8



n = 11

No outliers found. Tukey's method selected by user.

Data were x^5 transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.07116, low cutoff = -0.0598, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 7/2/2024 10:56 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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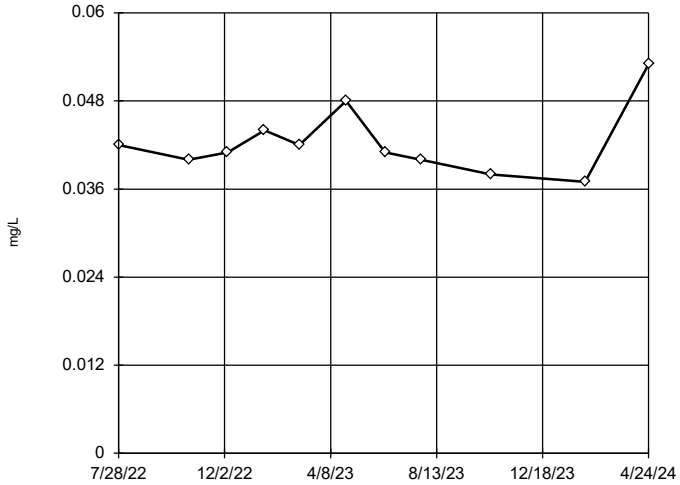
Tukey's Outlier Screening

MW-D9



n = 11

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 = 0.05856, low cutoff = 0.03005, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 7/2/2024 10:56 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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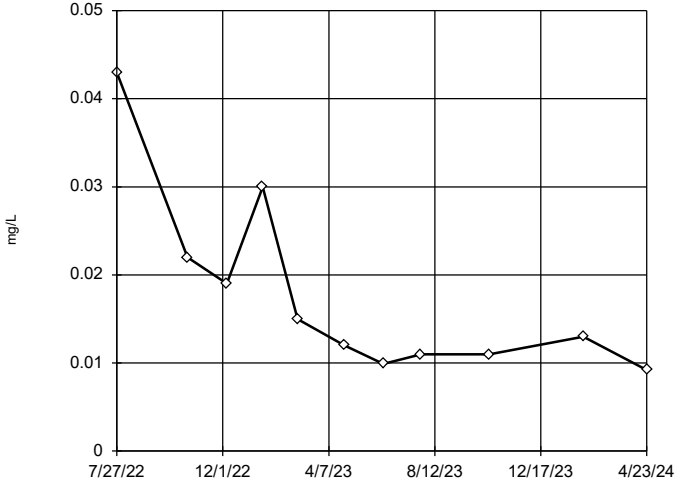
Tukey's Outlier Screening

MW-U2 (bg)



n = 11

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 = 0.176, low cutoff = 0.001375, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 7/2/2024 10:56 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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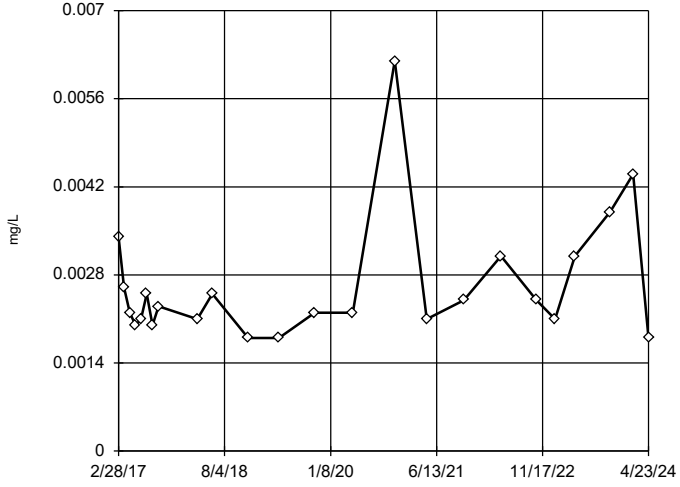
Tukey's Outlier Screening

MW-U1 (bg)



n = 24

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

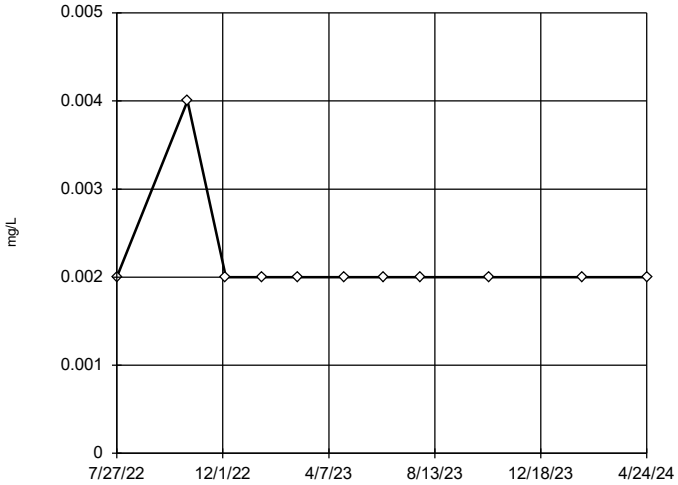
High cutoff = 0.007015, low cutoff = 0.0008499, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 7/2/2024 10:56 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Tukey's Outlier Screening

MW-D4



n = 11

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: Beryllium Analysis Run 7/2/2024 10:56 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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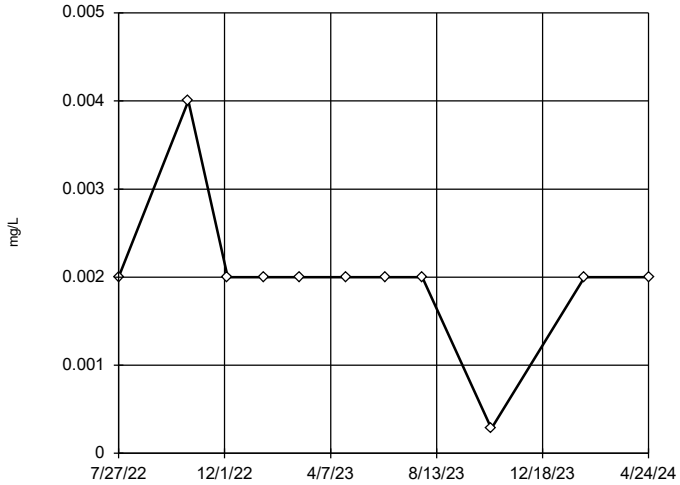
Tukey's Outlier Screening

MW-D5



n = 11

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 7/2/2024 10:56 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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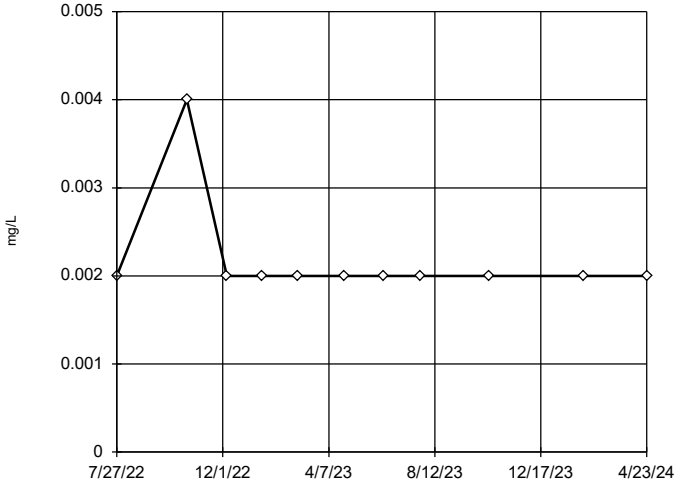
Tukey's Outlier Screening

MW-D6



n = 11

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: Beryllium Analysis Run 7/2/2024 10:56 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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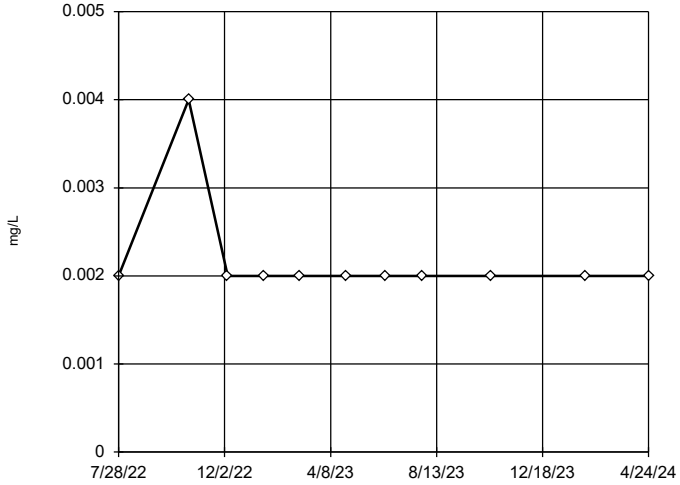
Tukey's Outlier Screening

MW-D7



n = 11

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

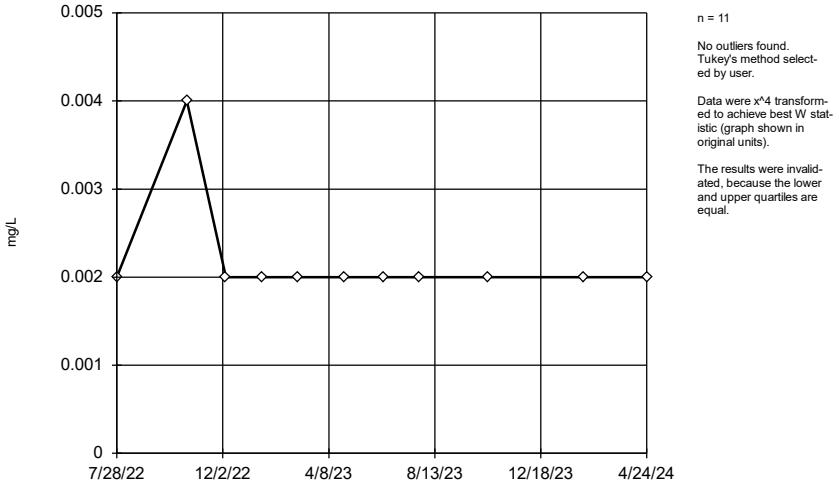
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 7/2/2024 10:56 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Tukey's Outlier Screening

MW-D8



n = 11

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: Beryllium Analysis Run 7/2/2024 10:56 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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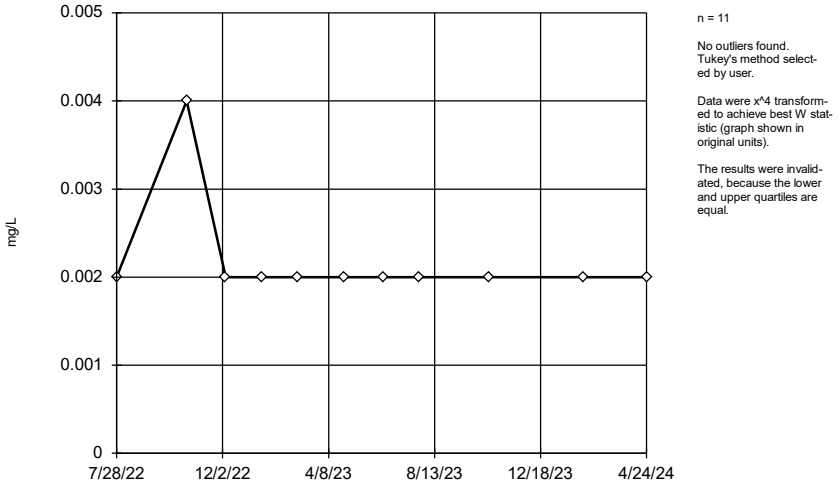
Tukey's Outlier Screening

MW-D9



n = 11

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: Beryllium Analysis Run 7/2/2024 10:56 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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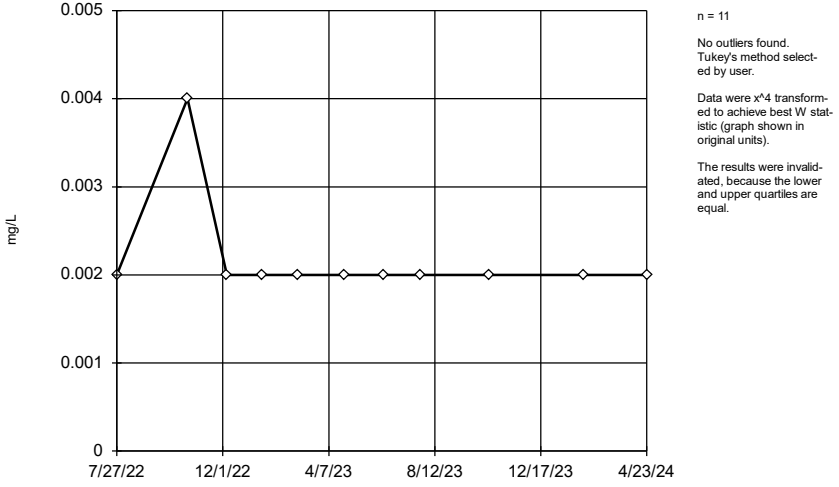
Tukey's Outlier Screening

MW-U2 (bg)



n = 11

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: Beryllium Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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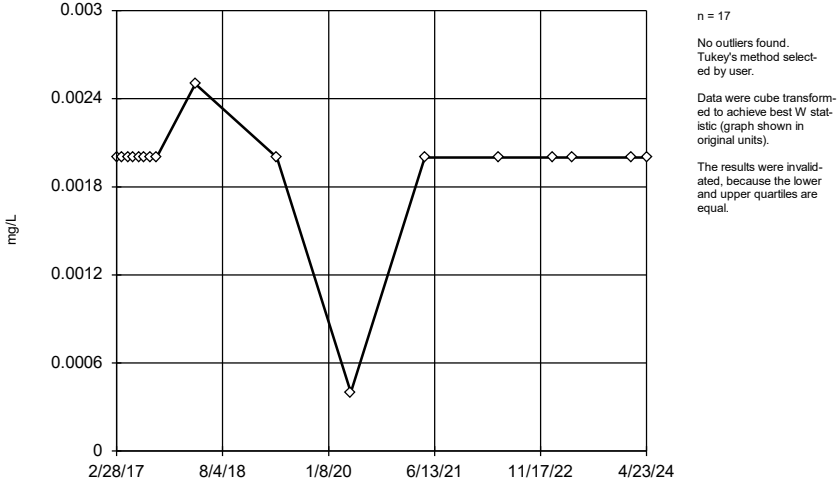
Tukey's Outlier Screening

MW-U1 (bg)



n = 17

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

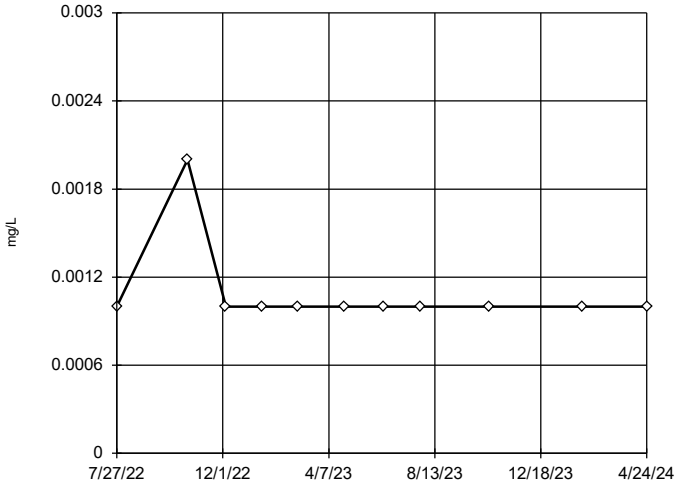
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Tukey's Outlier Screening

MW-D4



n = 11

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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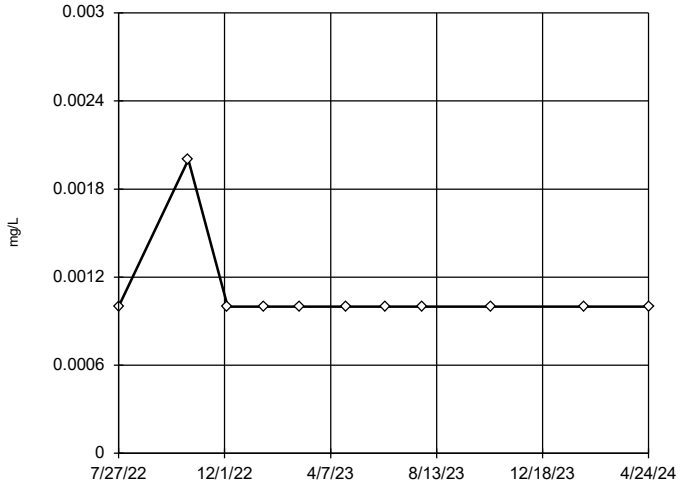
Tukey's Outlier Screening

MW-D5



n = 11

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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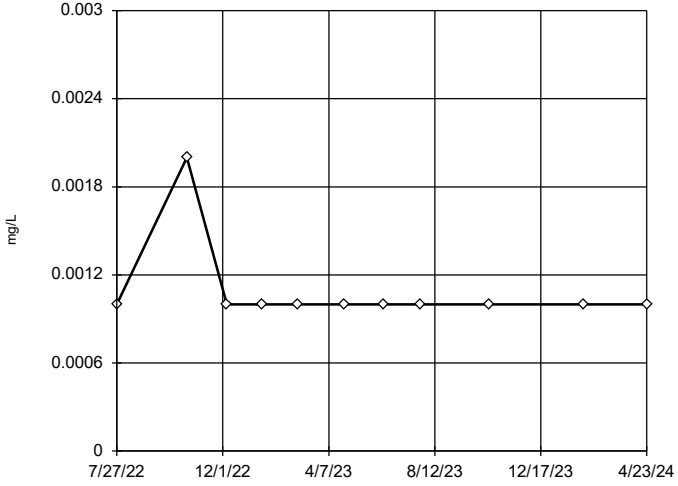
Tukey's Outlier Screening

MW-D6



n = 11

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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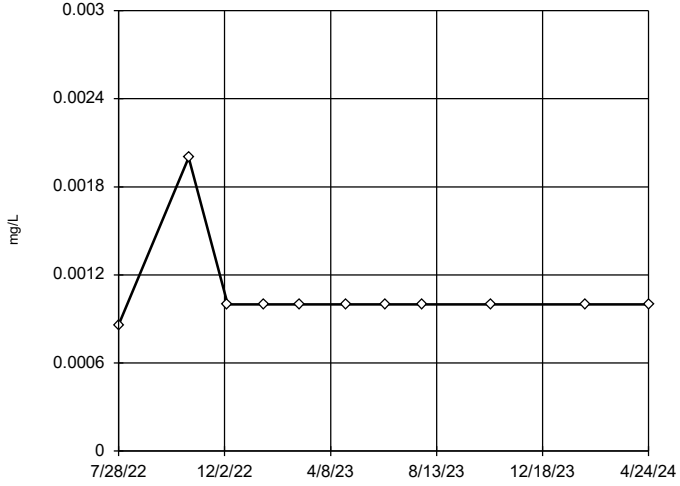
Tukey's Outlier Screening

MW-D7



n = 11

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

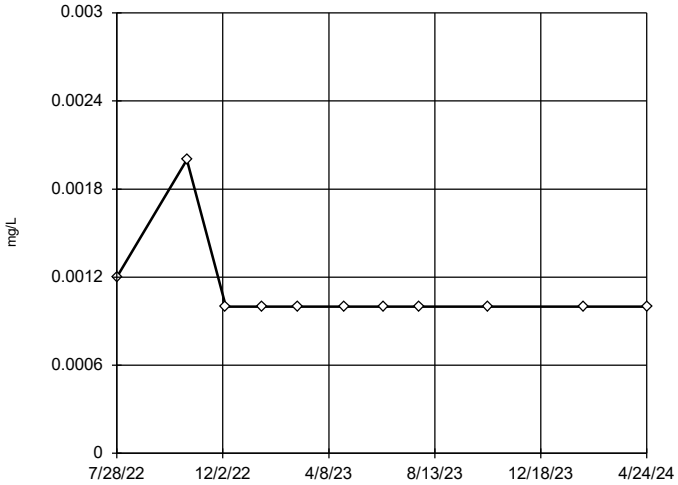
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Tukey's Outlier Screening

MW-D8



n = 11

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: Cadmium Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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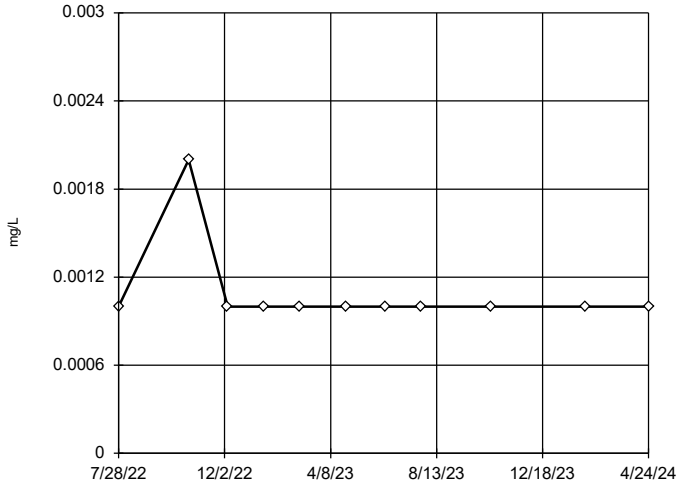
Tukey's Outlier Screening

MW-D9



n = 11

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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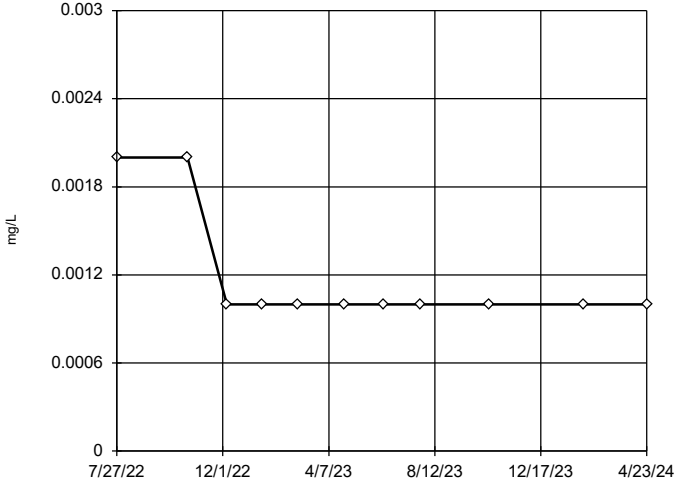
Tukey's Outlier Screening

MW-U2 (bg)



n = 11

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: Cadmium Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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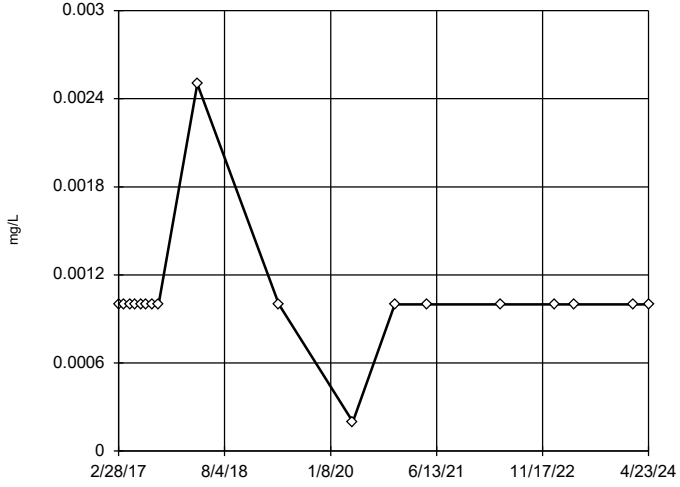
Tukey's Outlier Screening

MW-U1 (bg)



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).

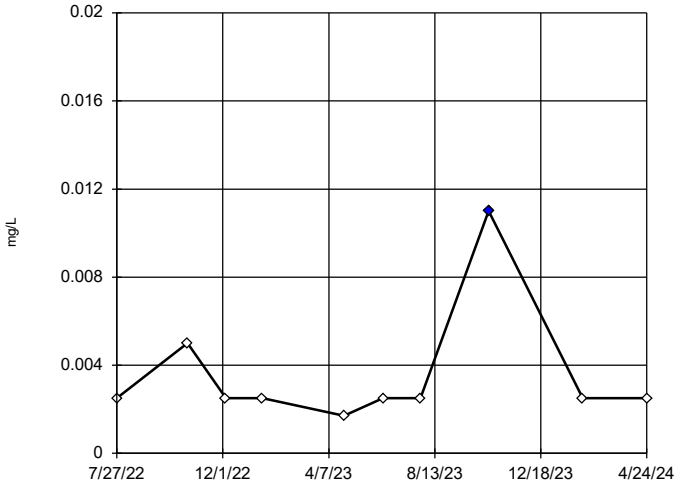
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Tukey's Outlier Screening

MW-D4



n = 10

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 = 0.01, low cutoff = 0.0008839, based on IQR multiplier of 3.

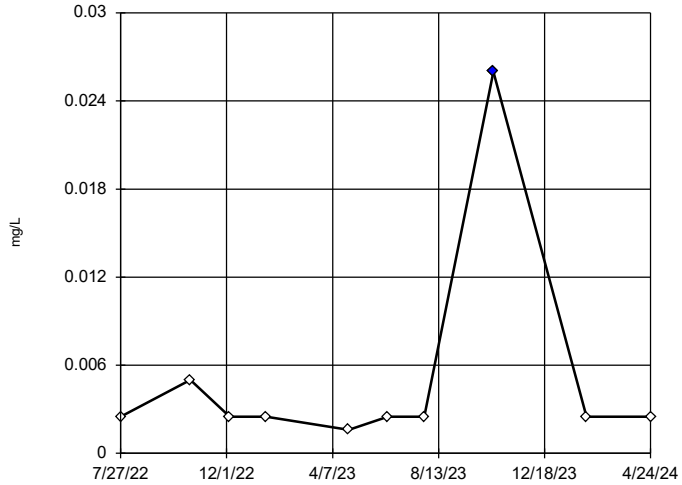
Constituent: Chromium Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D5



n = 10

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 = 0.01, low cutoff = 0.0008839, based on IQR multiplier of 3.

Constituent: Chromium Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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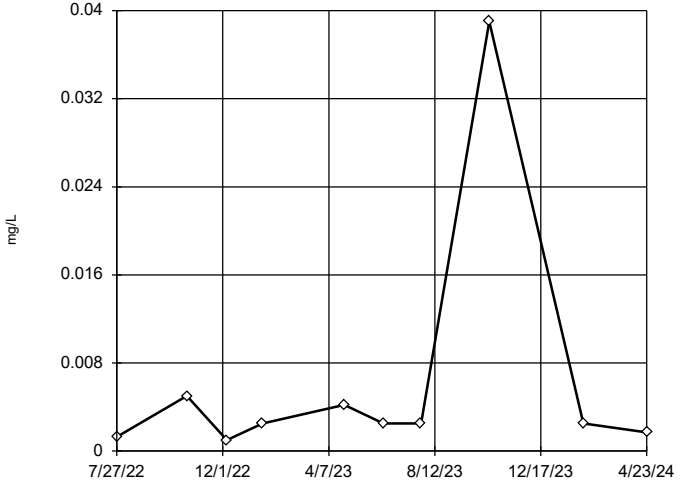
Tukey's Outlier Screening

MW-D6



n = 10

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 = 0.1342, low cutoff = 0.00005075, based on IQR multiplier of 3.

Constituent: Chromium Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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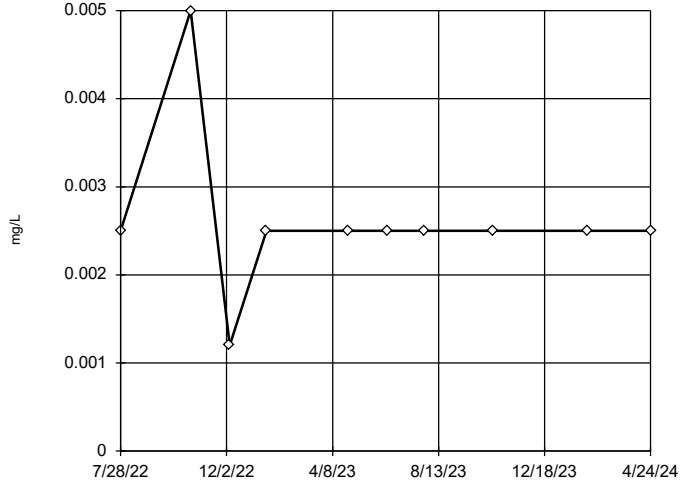
Tukey's Outlier Screening

MW-D7



n = 10

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

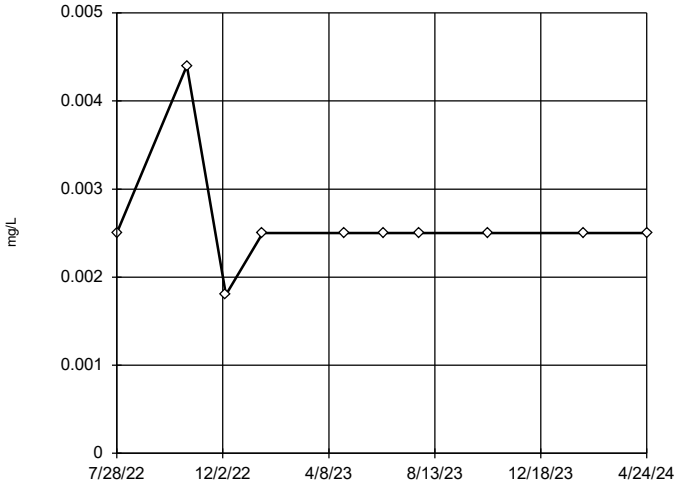
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Chromium Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Tukey's Outlier Screening

MW-D8



n = 10

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: Chromium Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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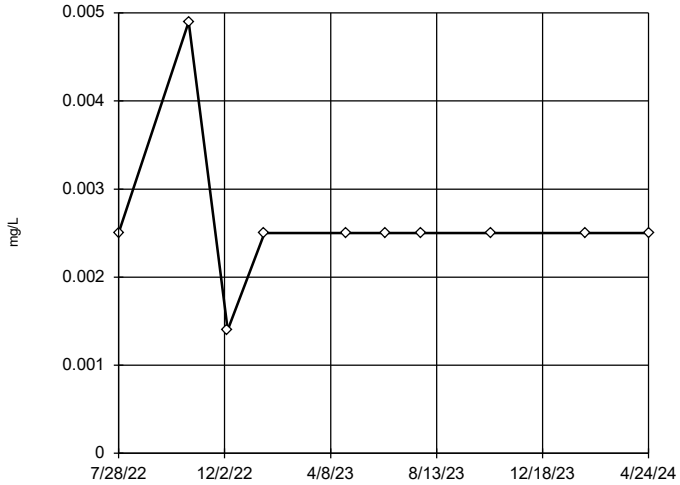
Tukey's Outlier Screening

MW-D9



n = 10

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.

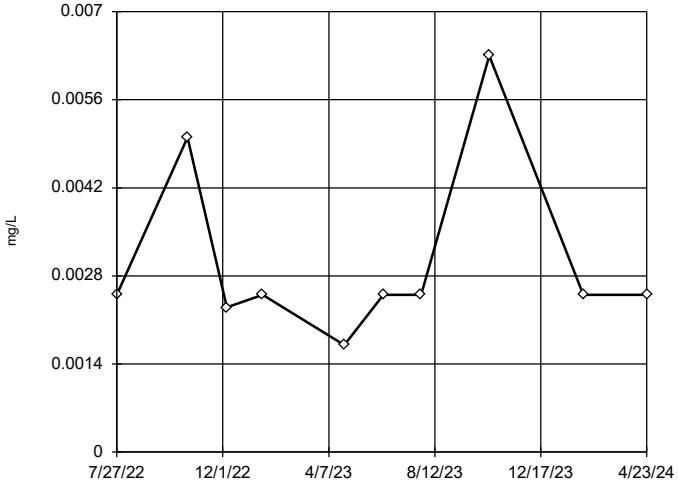
Constituent: Chromium Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-U2 (bg)



n = 10

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 = 0.01133, low cutoff = 0.0007481, based on IQR multiplier of 3.

Constituent: Chromium Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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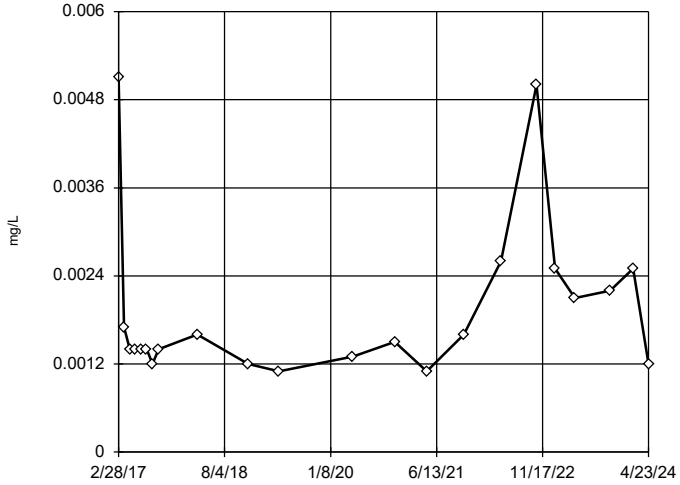
Tukey's Outlier Screening

MW-U1 (bg)



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).

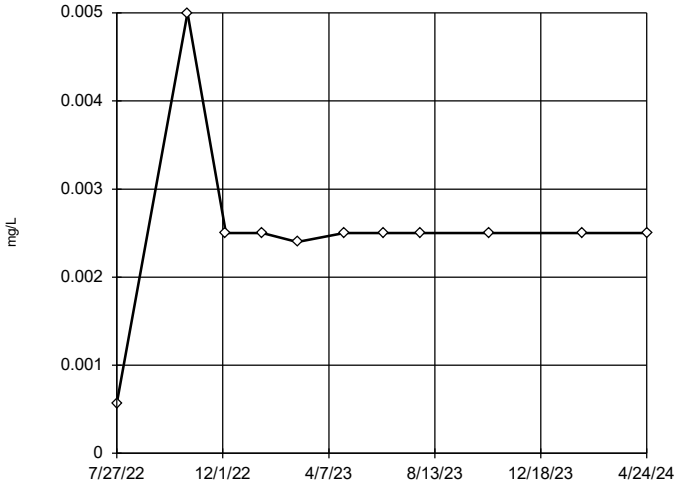
High cutoff = 0.01553, low cutoff = 0.0001887, based on IQR multiplier of 3.

Constituent: Chromium Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Tukey's Outlier Screening

MW-D4



n = 11

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.

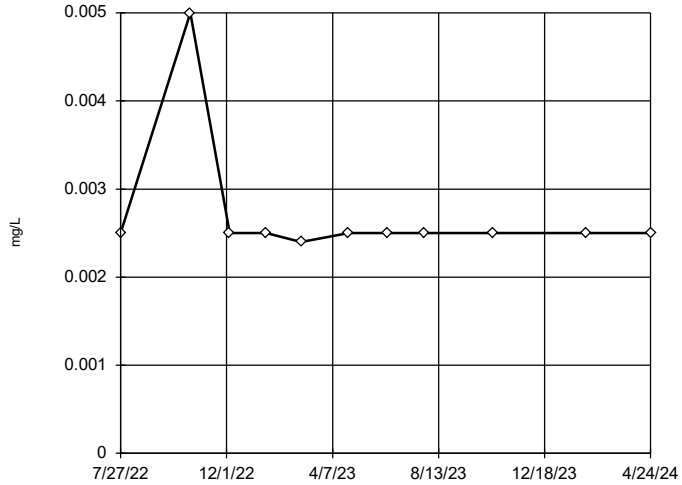
Constituent: Cobalt Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D5



n = 11

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

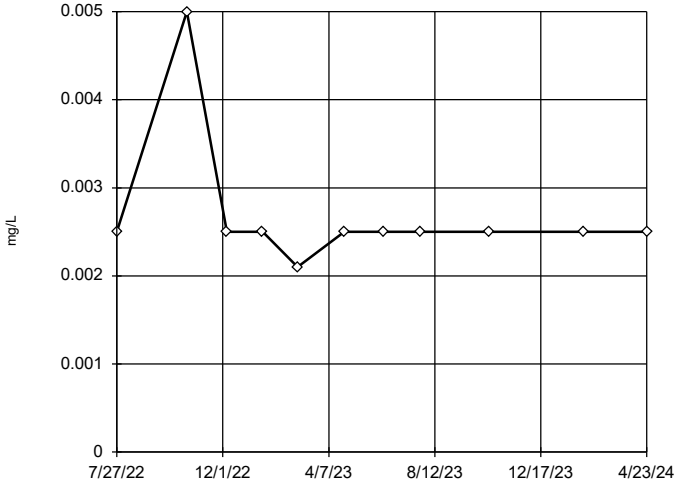
Constituent: Cobalt Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D6



n = 11

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cobalt Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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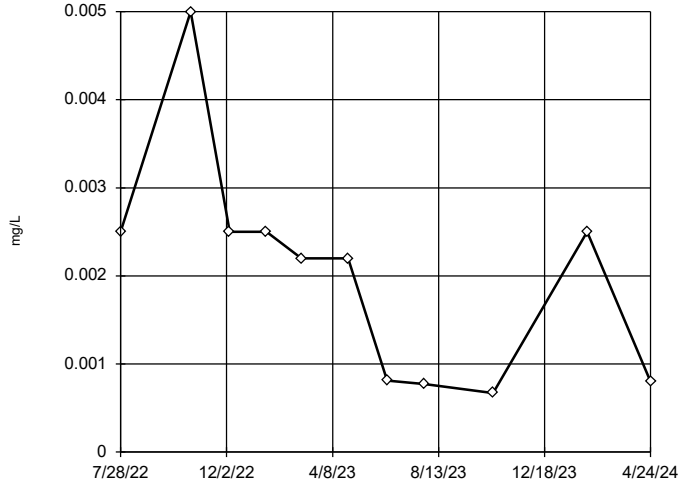
Tukey's Outlier Screening

MW-D7



n = 11

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

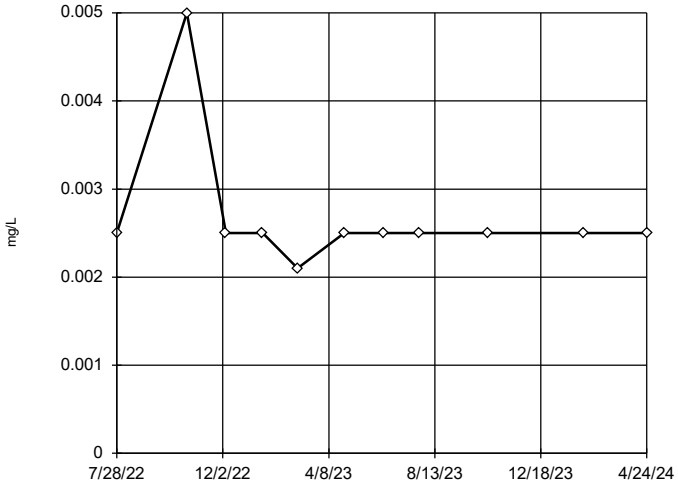
High cutoff = 0.01326, low cutoff = -0.001359, based on IQR multiplier of 3.

Constituent: Cobalt Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Tukey's Outlier Screening

MW-D8



n = 11

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cobalt Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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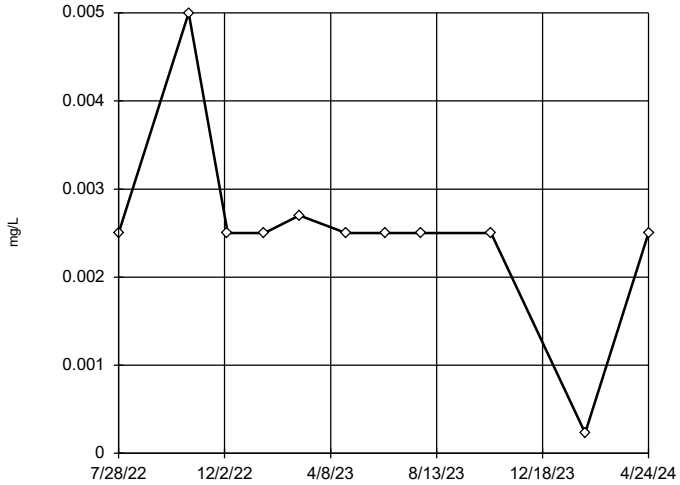
Tukey's Outlier Screening

MW-D9



n = 11

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 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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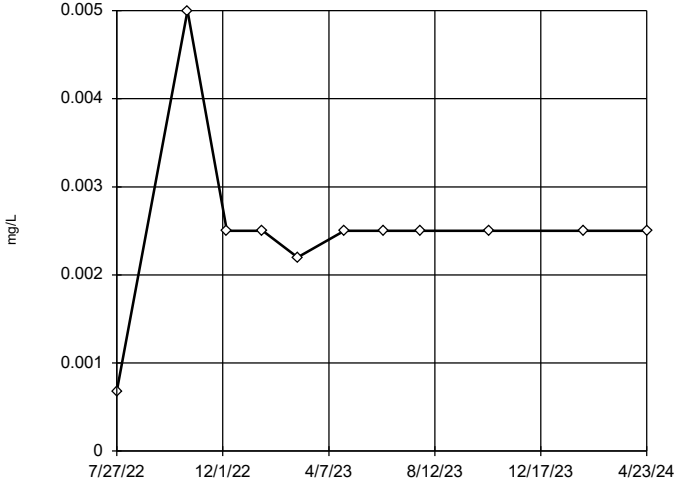
Tukey's Outlier Screening

MW-U2 (bg)



n = 11

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: Cobalt Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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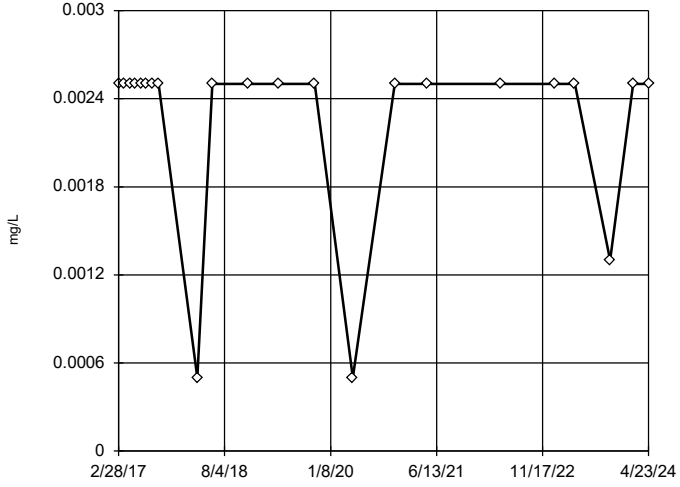
Tukey's Outlier Screening

MW-U1 (bg)



n = 22

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

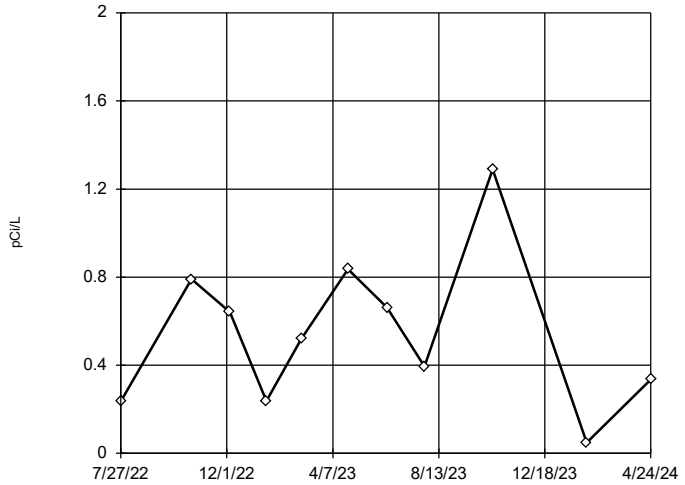
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cobalt Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Tukey's Outlier Screening

MW-D4



n = 11

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

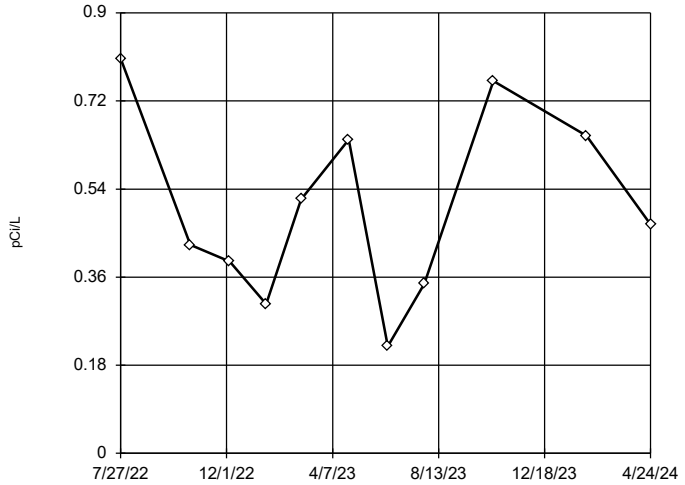
High cutoff = 4.398, low cutoff = -0.5196, based on IQR multiplier of 3.

Constituent: Combined Radium 226 + 228 Analysis Run 7/2/2024 10:57 AM View: Sanitas through Octobe
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D5



n = 11

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 = 2.499, low cutoff = 0.009361, based on IQR multiplier of 3.

Constituent: Combined Radium 226 + 228 Analysis Run 7/2/2024 10:57 AM View: Sanitas through Octobe
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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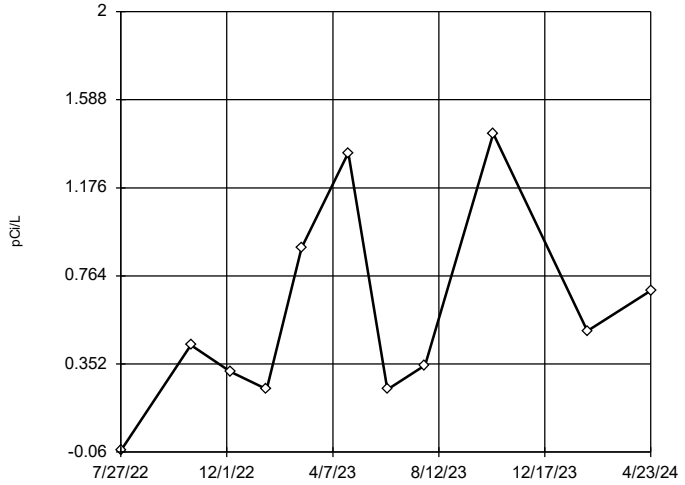
Tukey's Outlier Screening

MW-D6



n = 11

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

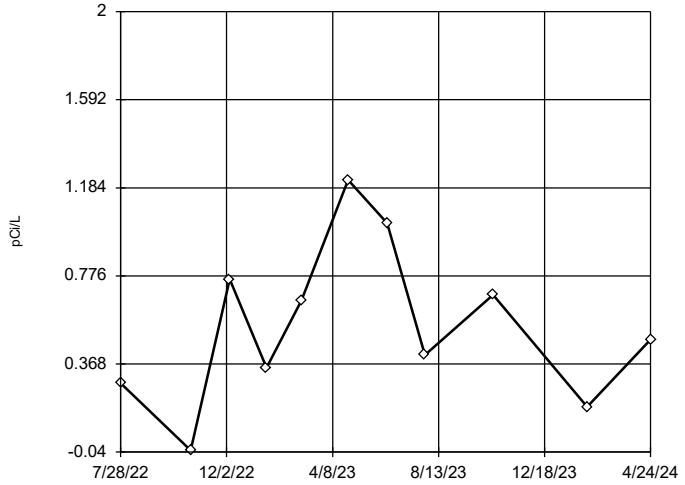
High cutoff = 2.882, low cutoff = -1.752, based on IQR multiplier of 3.

Constituent: Combined Radium 226 + 228 Analysis Run 7/2/2024 10:57 AM View: Sanitas through Octobe
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D7



n = 11

No outliers found. Tukey's method selected by user.

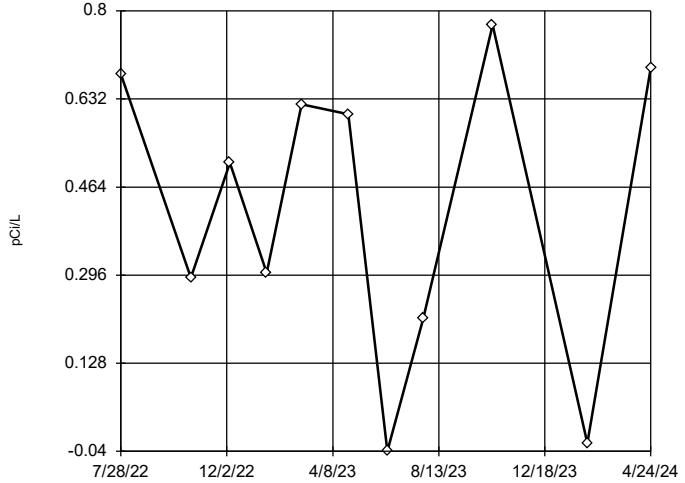
Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 2.207, low cutoff = -1.167, based on IQR multiplier of 3.

Constituent: Combined Radium 226 + 228 Analysis Run 7/2/2024 10:57 AM View: Sanitas through Octobe
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Tukey's Outlier Screening

MW-D8



n = 11

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 2.081, low cutoff = -1.188, based on IQR multiplier of 3.

Constituent: Combined Radium 226 + 228 Analysis Run 7/2/2024 10:57 AM View: Sanitas through Octobe
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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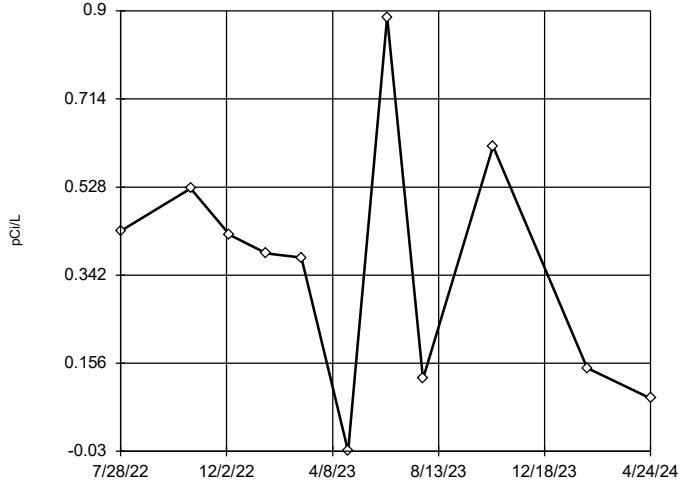
Tukey's Outlier Screening

MW-D9



n = 11

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

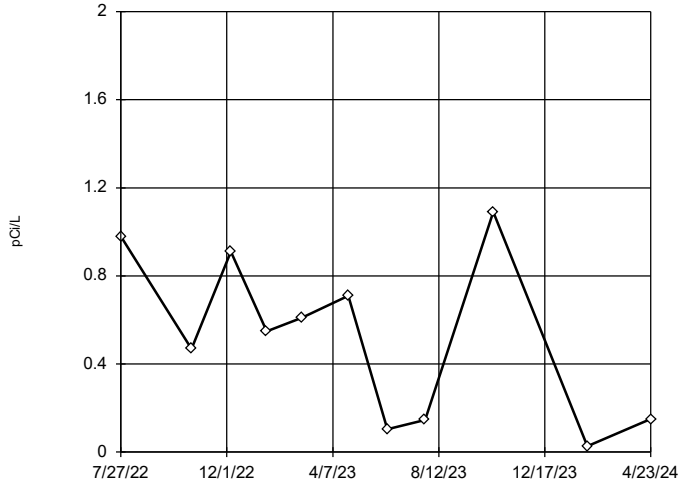
High cutoff = 1.731, low cutoff = -1.083, based on IQR multiplier of 3.

Constituent: Combined Radium 226 + 228 Analysis Run 7/2/2024 10:57 AM View: Sanitas through Octobe
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-U2 (bg)



n = 11

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

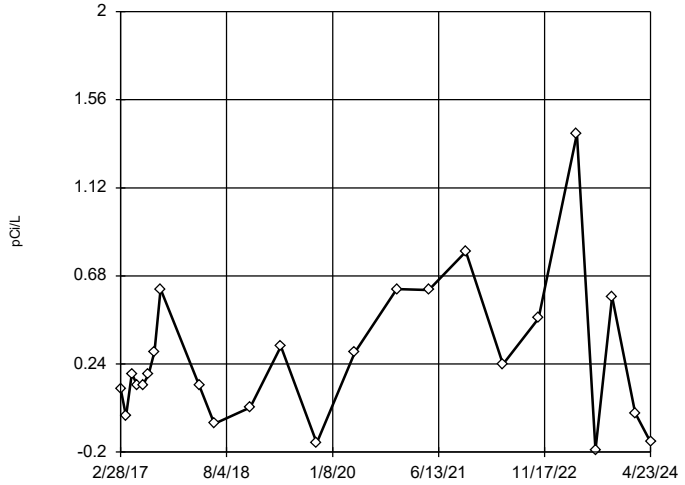
High cutoff = 3.202, low cutoff = -2.146, based on IQR multiplier of 3.

Constituent: Combined Radium 226 + 228 Analysis Run 7/2/2024 10:57 AM View: Sanitas through Octobe
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-U1 (bg)



n = 24

No outliers found. Tukey's method selected by user.

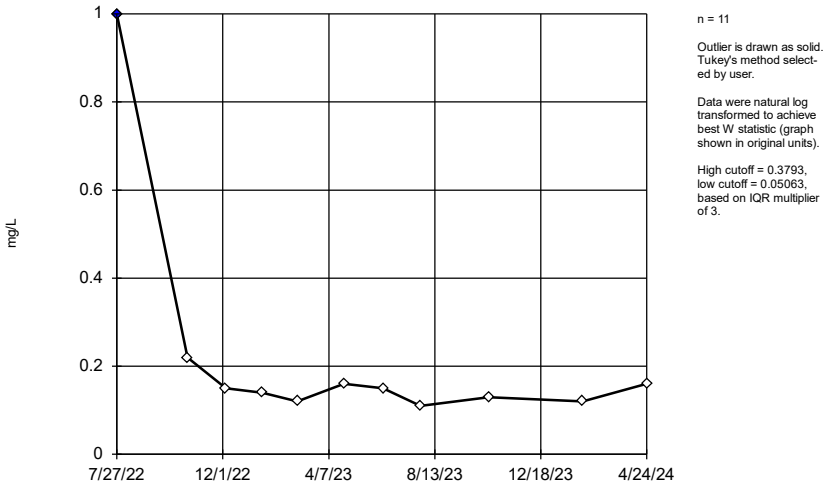
Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 2.06, low cutoff = -1.529, based on IQR multiplier of 3.

Constituent: Combined Radium 226 + 228 Analysis Run 7/2/2024 10:57 AM View: Sanitas through Octobe
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Tukey's Outlier Screening

MW-D4



n = 11

Outlier is drawn as solid.
Tukey's method selected by user.

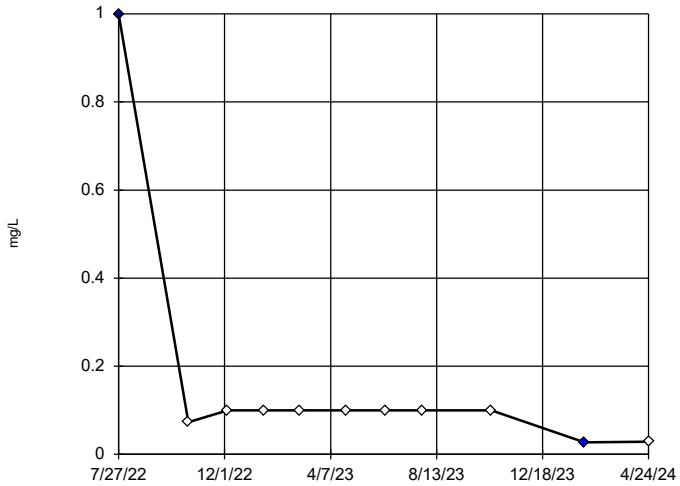
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.3793, low cutoff = 0.05063, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Tukey's Outlier Screening

MW-D5



n = 11

Outliers are drawn as solid.
Tukey's method selected by user.

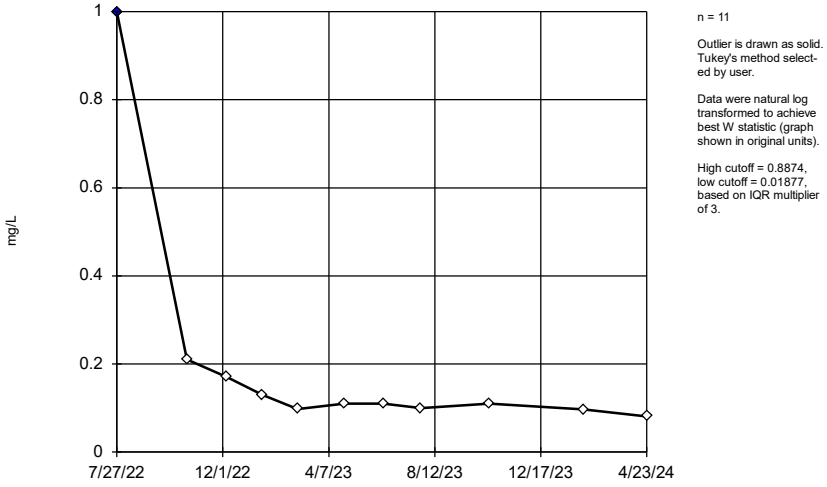
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.2571, low cutoff = 0.0284, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Tukey's Outlier Screening

MW-D6



n = 11

Outlier is drawn as solid.
Tukey's method selected by user.

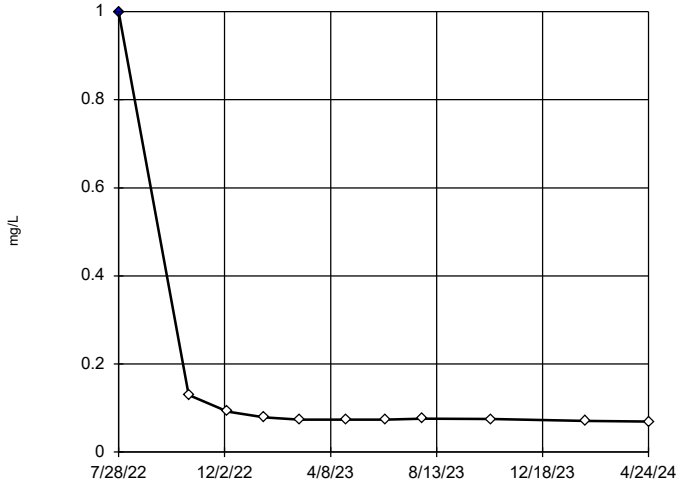
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.8874, low cutoff = 0.01877, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Tukey's Outlier Screening

MW-D7



n = 11

Outlier is drawn as solid.
Tukey's method selected by user.

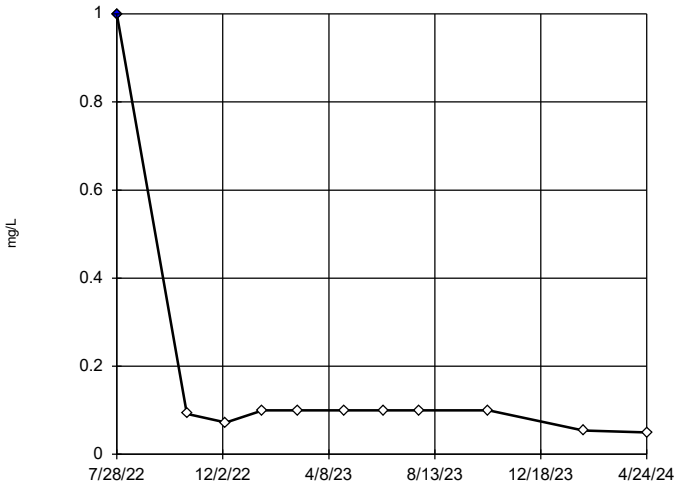
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.1768, low cutoff = 0.03851, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Tukey's Outlier Screening

MW-D8



n = 11

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 = 0.2679, low cutoff = 0.02687, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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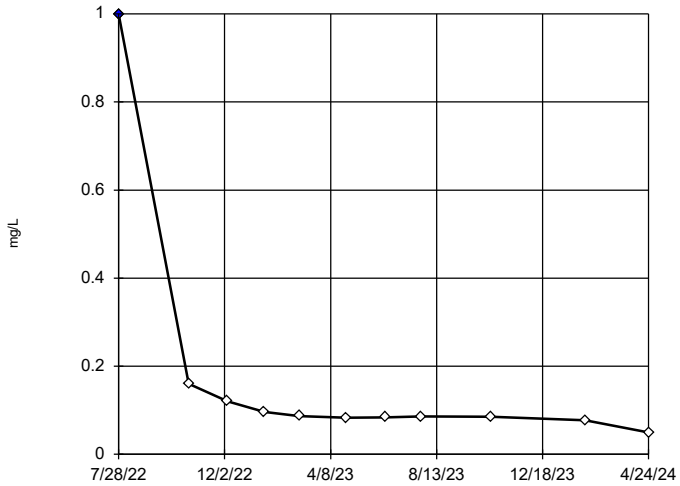
Tukey's Outlier Screening

MW-D9



n = 11

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 = 0.3627, low cutoff = 0.02746, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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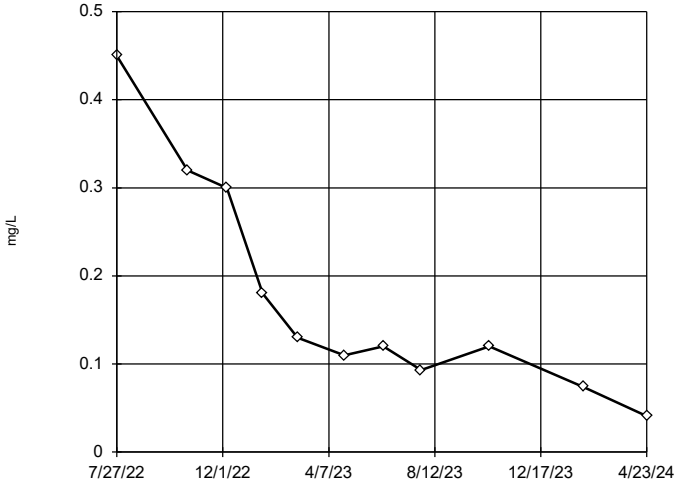
Tukey's Outlier Screening

MW-U2 (bg)



n = 11

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 = 10.07, low cutoff = 0.002771, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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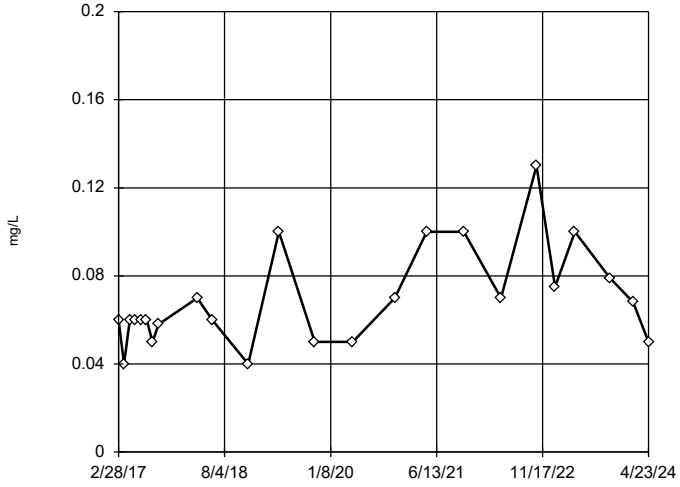
Tukey's Outlier Screening

MW-U1 (bg)



n = 24

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

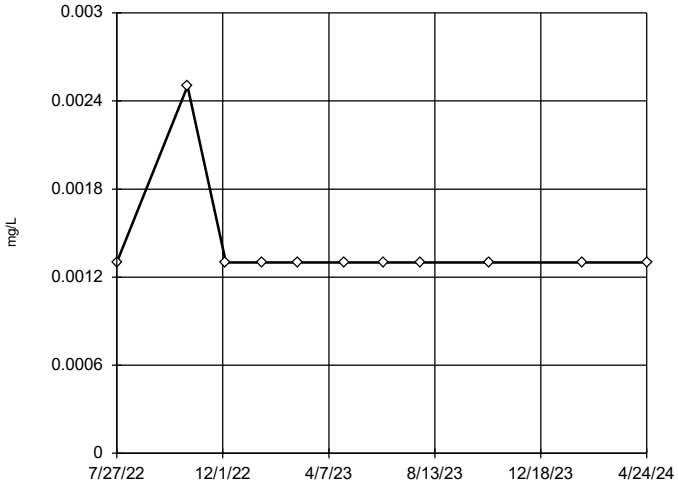
High cutoff = 0.2248, low cutoff = 0.01844, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Tukey's Outlier Screening

MW-D4



n = 11

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 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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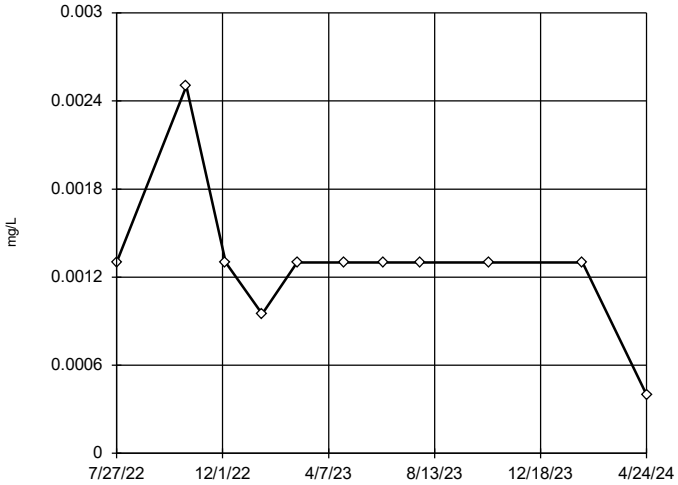
Tukey's Outlier Screening

MW-D5



n = 11

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: Lead Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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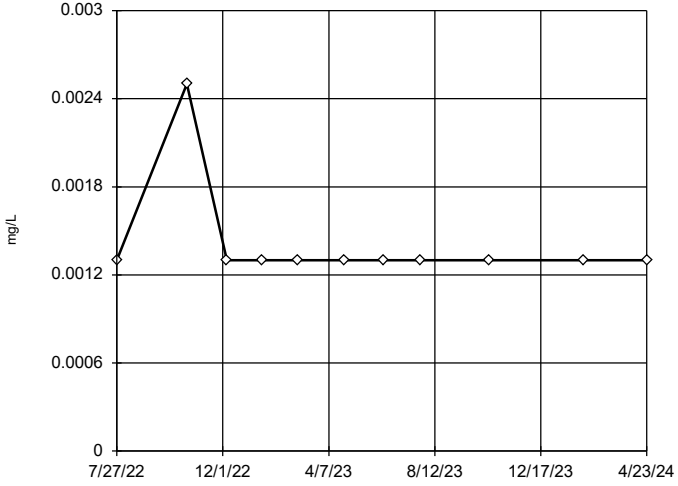
Tukey's Outlier Screening

MW-D6



n = 11

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 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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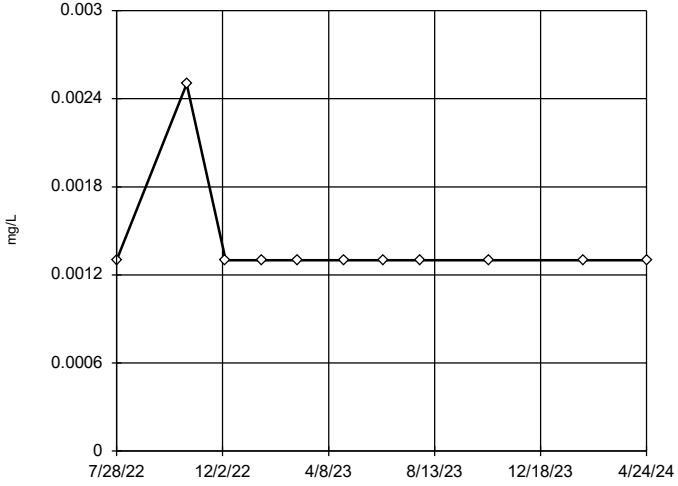
Tukey's Outlier Screening

MW-D7



n = 11

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

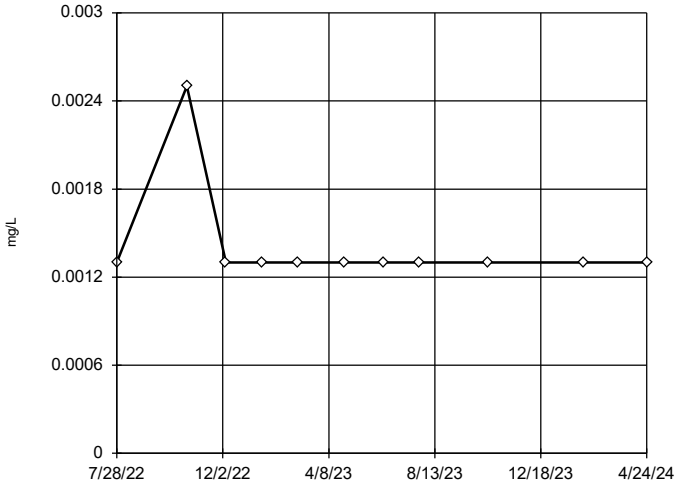
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lead Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Tukey's Outlier Screening

MW-D8



n = 11

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 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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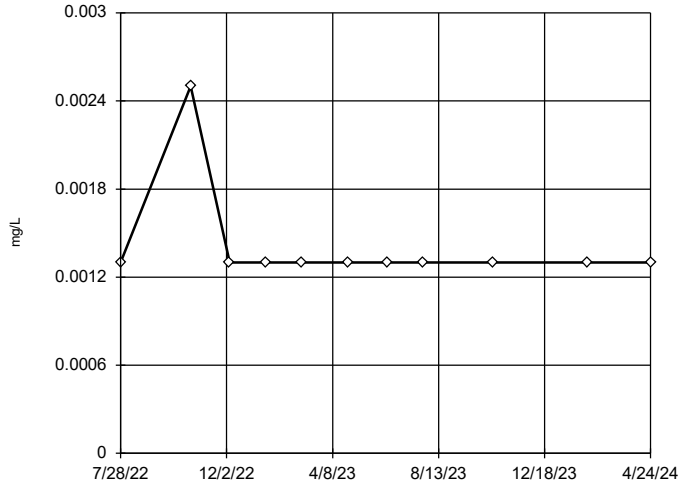
Tukey's Outlier Screening

MW-D9



n = 11

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 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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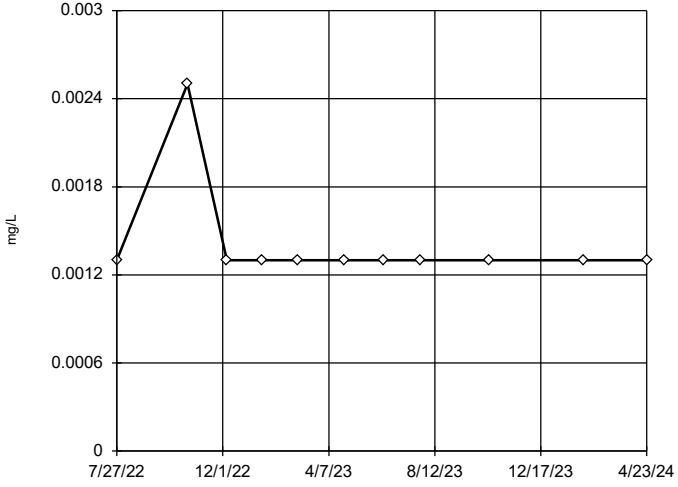
Tukey's Outlier Screening

MW-U2 (bg)



n = 11

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 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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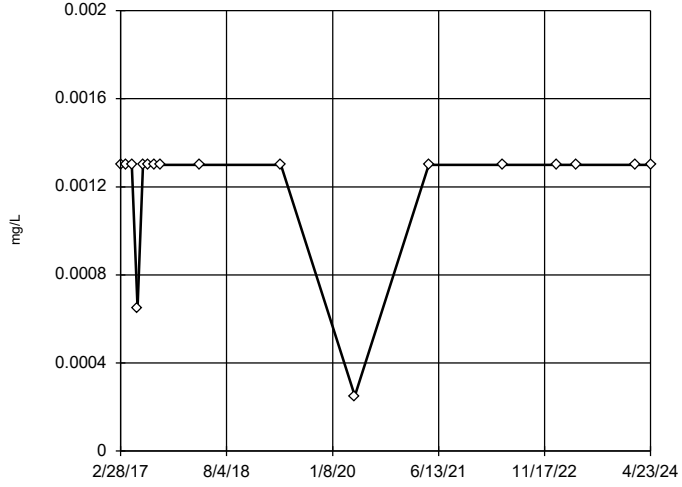
Tukey's Outlier Screening

MW-U1 (bg)



n = 17

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

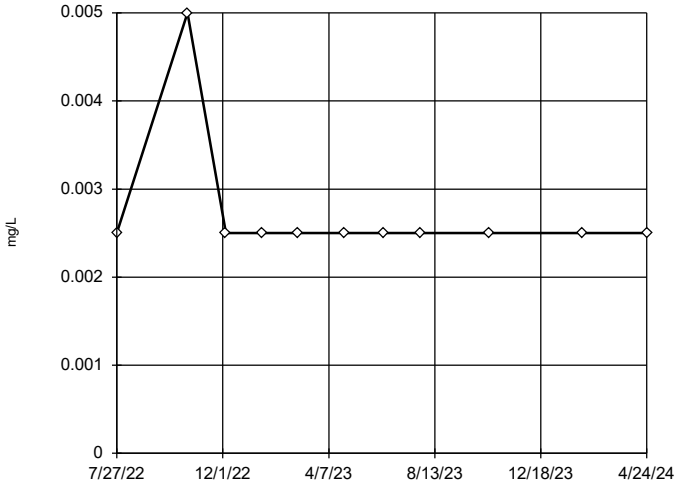
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lead Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Tukey's Outlier Screening

MW-D4



n = 11

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 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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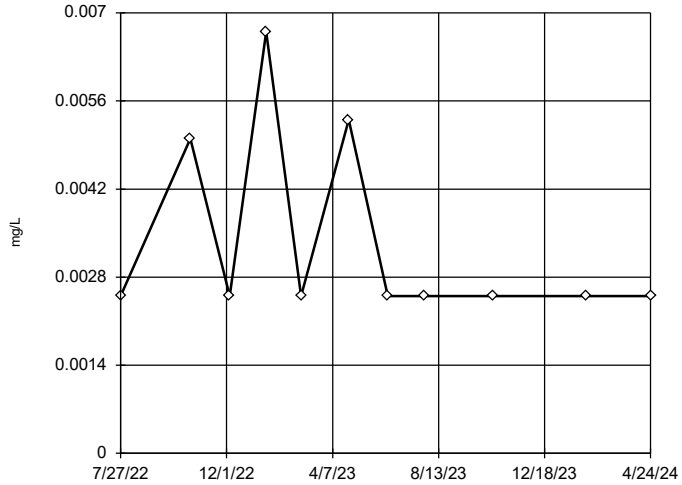
Tukey's Outlier Screening

MW-D5



n = 11

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 both the lower and upper quartiles represent reporting limits.

Constituent: Lithium Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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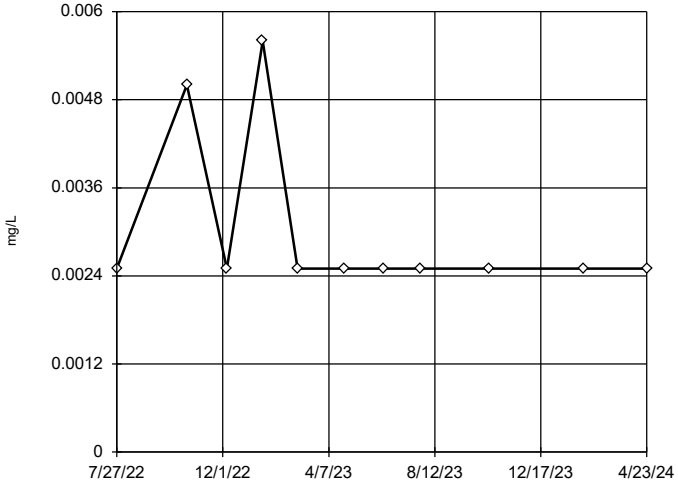
Tukey's Outlier Screening

MW-D6



n = 11

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: Lithium Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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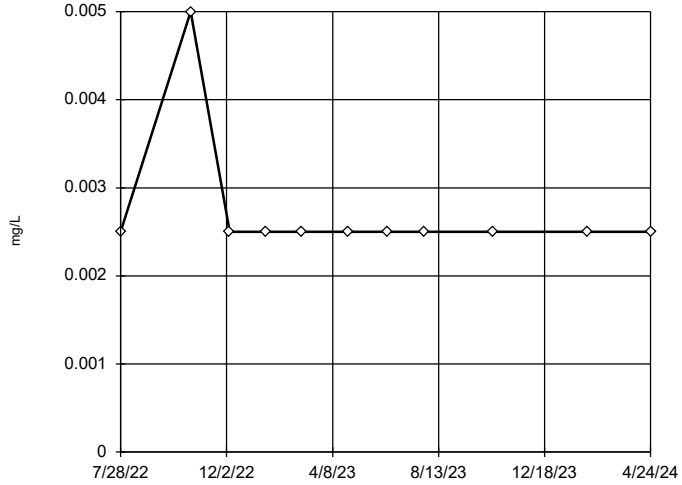
Tukey's Outlier Screening

MW-D7



n = 11

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

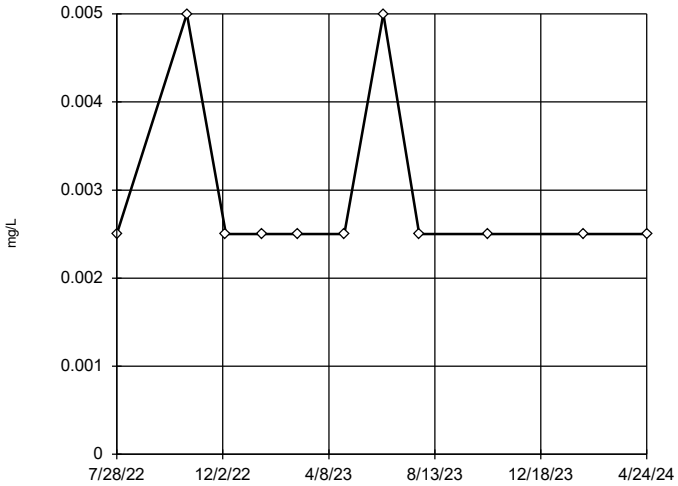
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lithium Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Tukey's Outlier Screening

MW-D8



n = 11

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 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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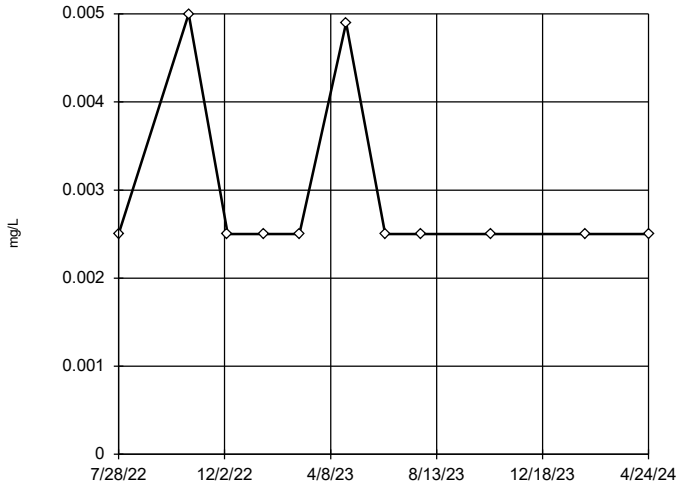
Tukey's Outlier Screening

MW-D9



n = 11

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: Lithium Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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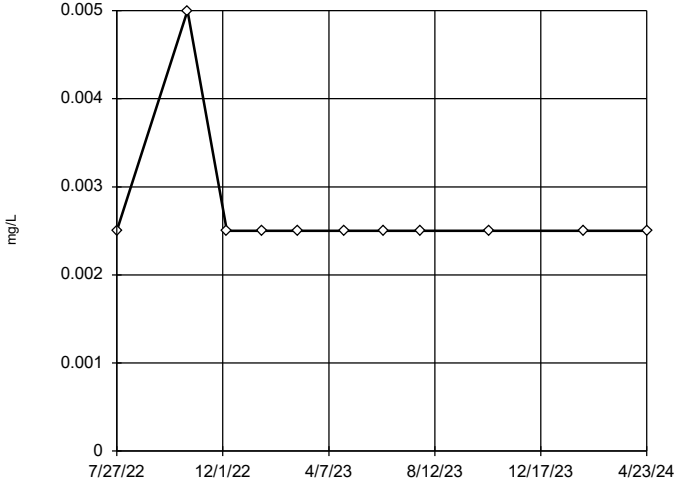
Tukey's Outlier Screening

MW-U2 (bg)



n = 11

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 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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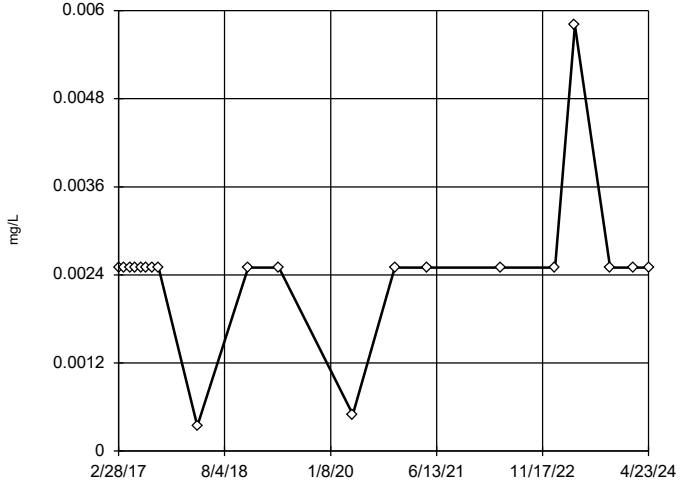
Tukey's Outlier Screening

MW-U1 (bg)



n = 20

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

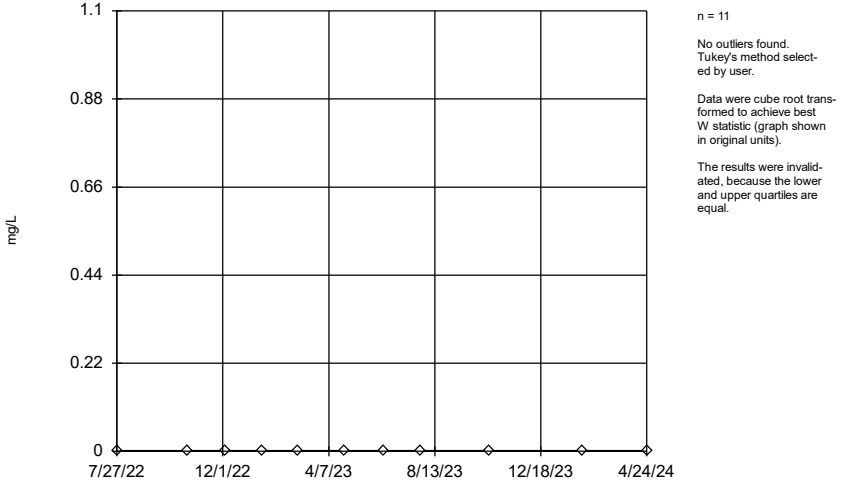
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lithium Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Tukey's Outlier Screening

MW-D4



n = 11

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 7/2/2024 10:57 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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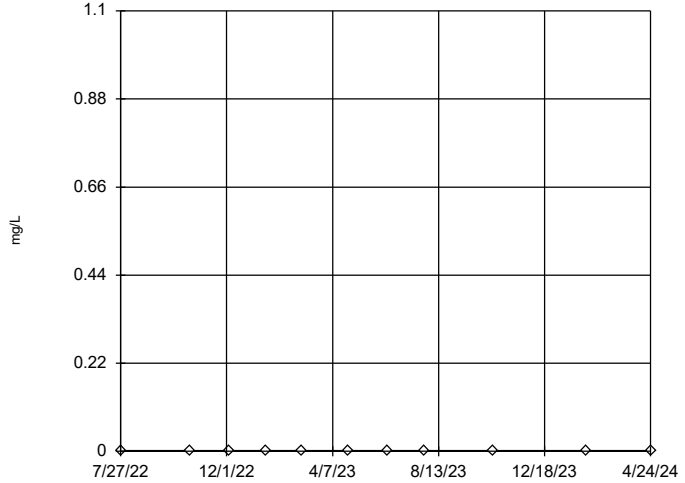
Tukey's Outlier Screening

MW-D5



n = 11

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 7/2/2024 10:58 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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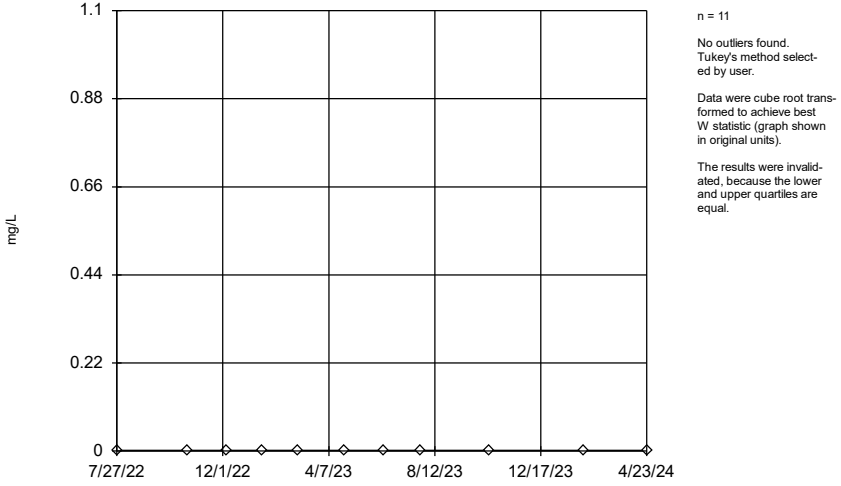
Tukey's Outlier Screening

MW-D6



n = 11

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 7/2/2024 10:58 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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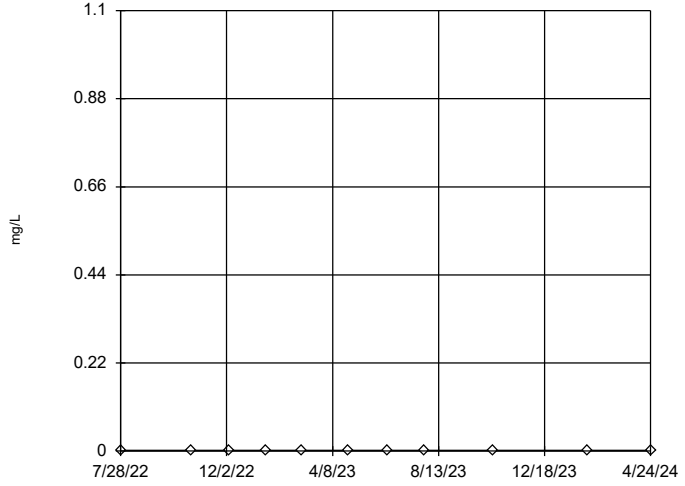
Tukey's Outlier Screening

MW-D7



n = 11

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

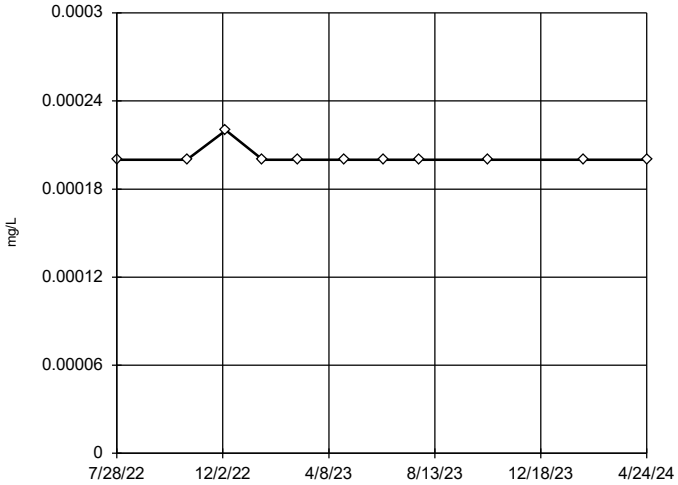
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 7/2/2024 10:58 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Tukey's Outlier Screening

MW-D8



n = 11

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 7/2/2024 10:58 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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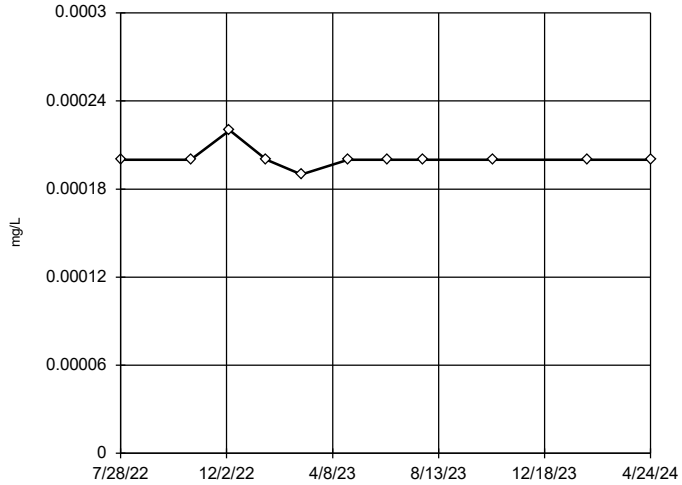
Tukey's Outlier Screening

MW-D9



n = 11

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 7/2/2024 10:58 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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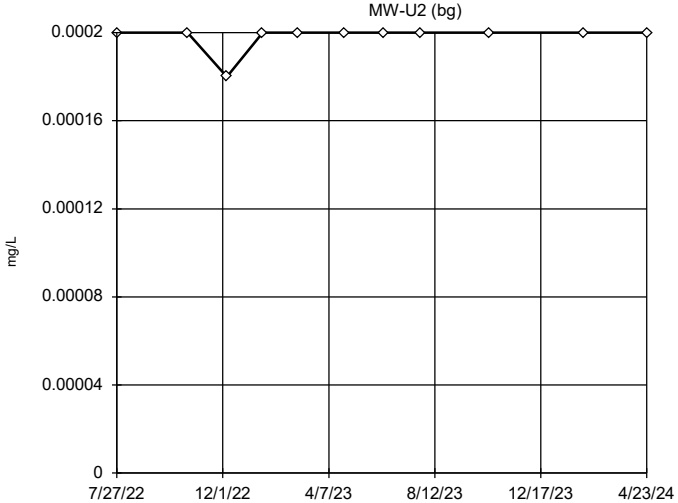
Tukey's Outlier Screening

MW-U2 (bg)



n = 11

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 7/2/2024 10:58 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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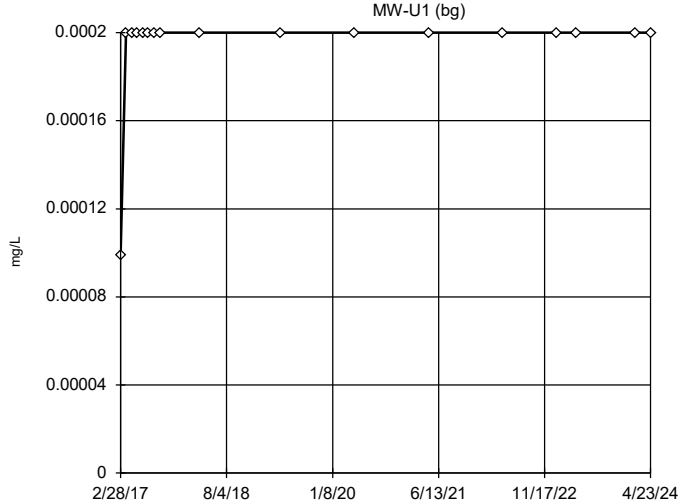
Tukey's Outlier Screening

MW-U1 (bg)



n = 17

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

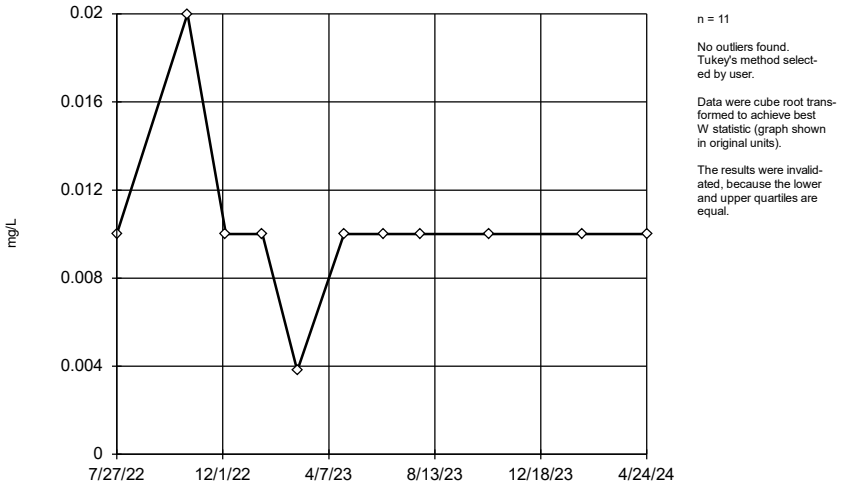
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 7/2/2024 10:58 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Tukey's Outlier Screening

MW-D4



n = 11

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

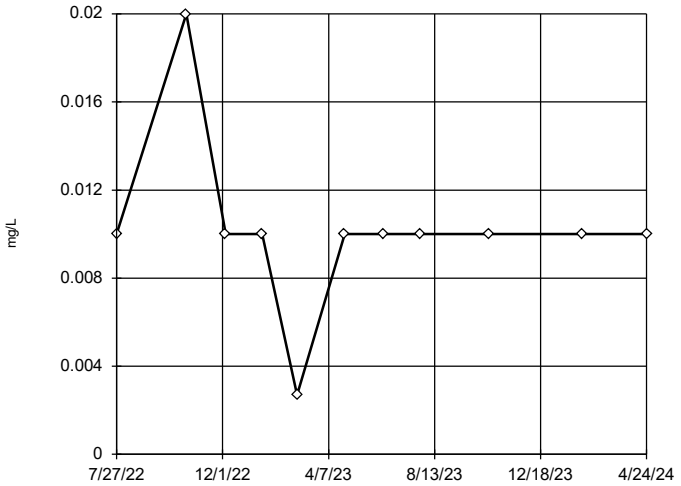
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Molybdenum Analysis Run 7/2/2024 10:58 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D5



n = 11

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

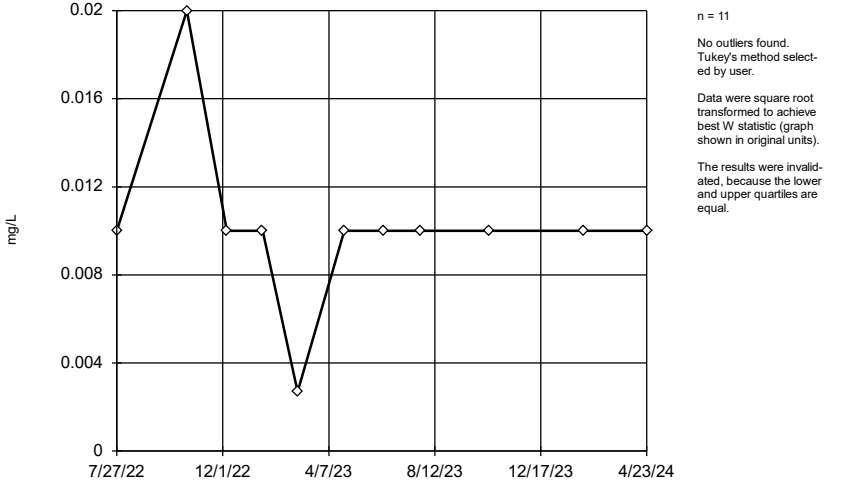
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Molybdenum Analysis Run 7/2/2024 10:58 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D6



n = 11

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: Molybdenum Analysis Run 7/2/2024 10:58 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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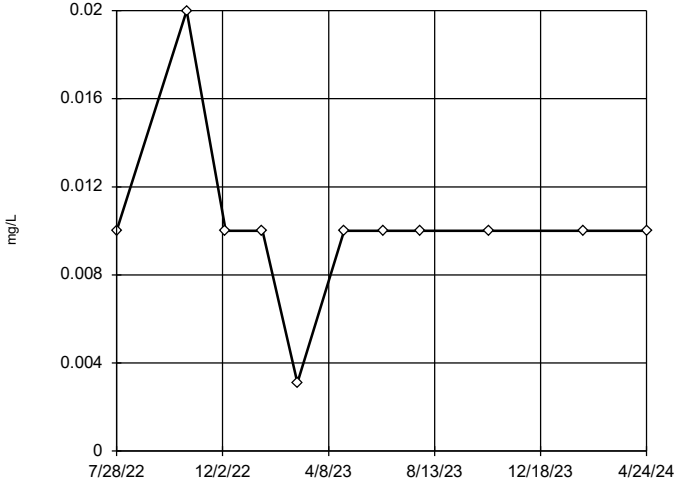
Tukey's Outlier Screening

MW-D7



n = 11

No outliers found. Tukey's method selected by user.

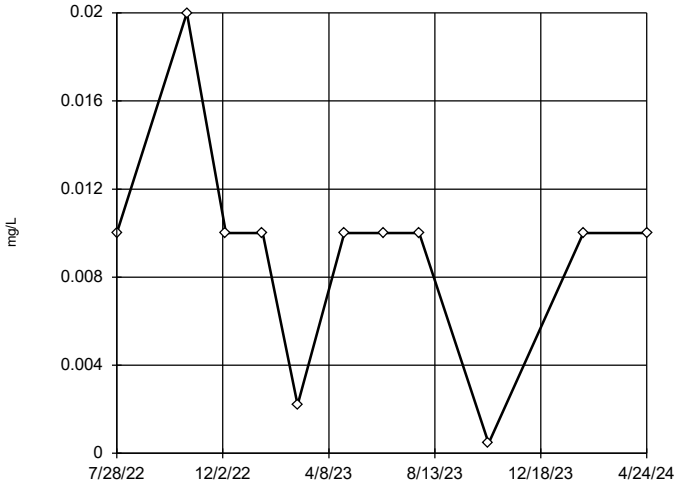
Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Molybdenum Analysis Run 7/2/2024 10:58 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Tukey's Outlier Screening

MW-D8



n = 11

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.

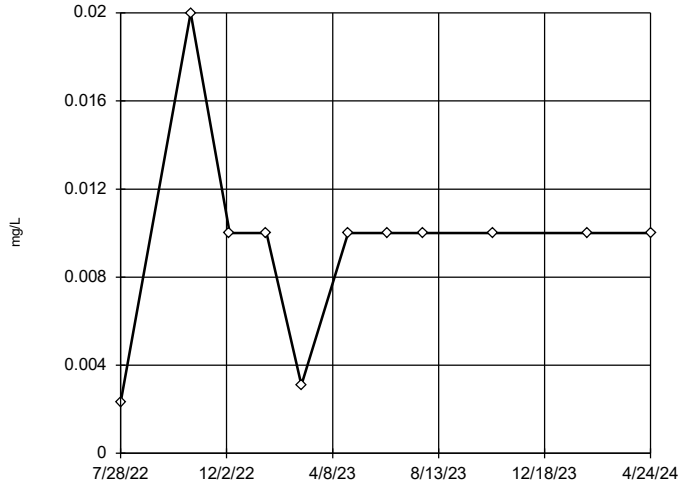
Constituent: Molybdenum Analysis Run 7/2/2024 10:58 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Tukey's Outlier Screening

MW-D9



n = 11

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: Molybdenum Analysis Run 7/2/2024 10:58 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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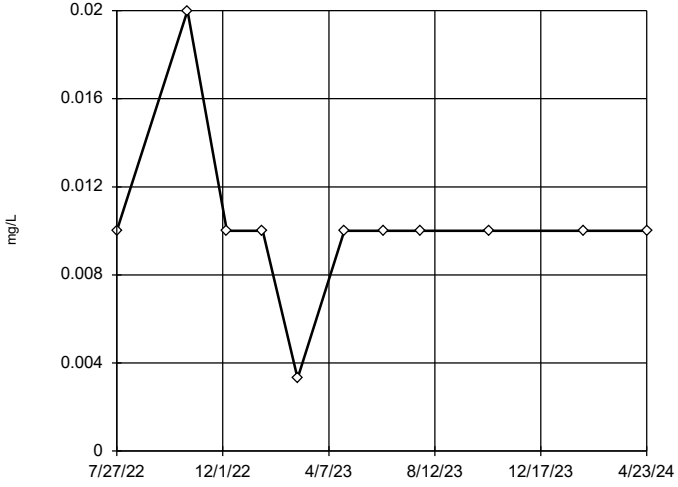
Tukey's Outlier Screening

MW-U2 (bg)



n = 11

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: Molybdenum Analysis Run 7/2/2024 10:58 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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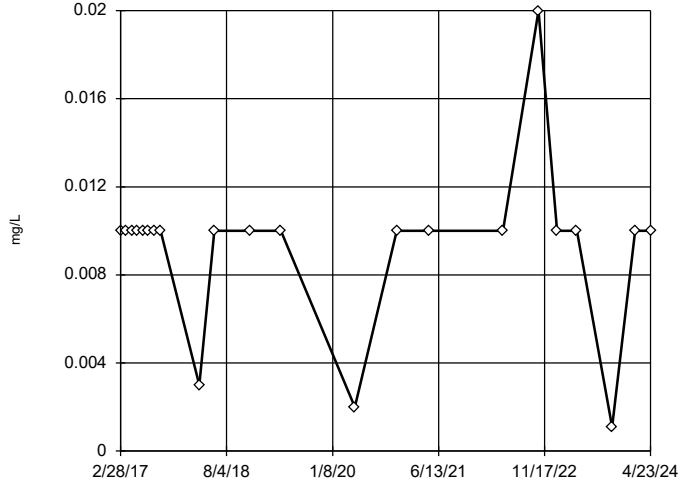
Tukey's Outlier Screening

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.

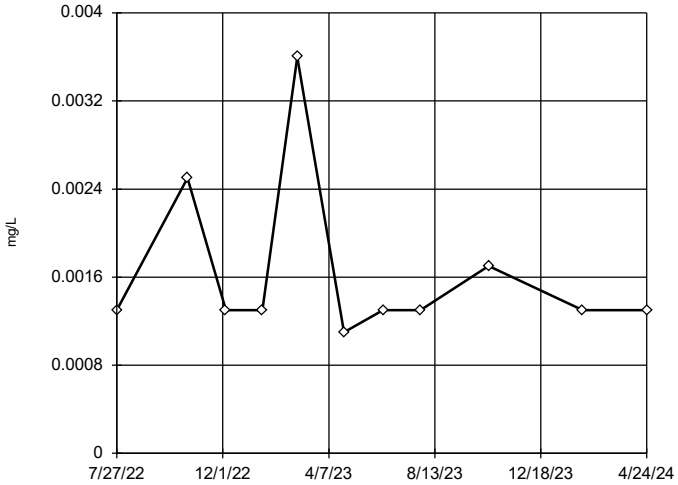
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Molybdenum Analysis Run 7/2/2024 10:58 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Tukey's Outlier Screening

MW-D4



n = 11

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 = 0.003802, low cutoff = 0.0005813, based on IQR multiplier of 3.

Constituent: Selenium Analysis Run 7/2/2024 10:58 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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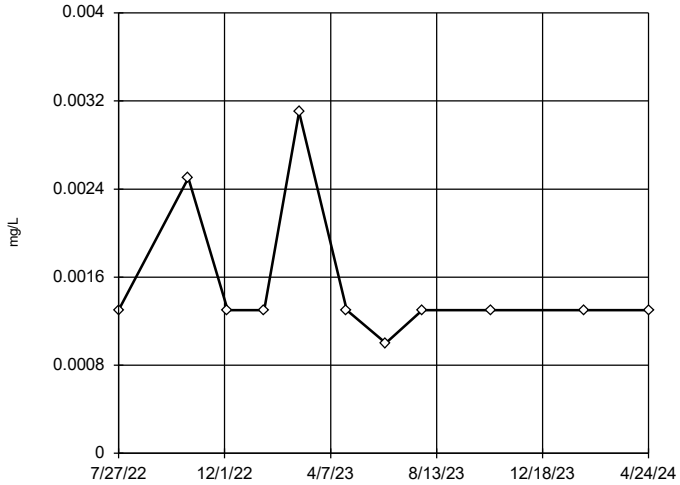
Tukey's Outlier Screening

MW-D5



n = 11

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Selenium Analysis Run 7/2/2024 10:58 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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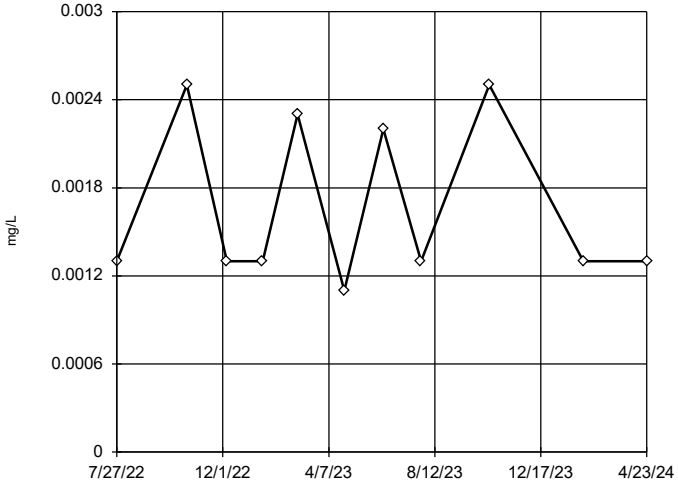
Tukey's Outlier Screening

MW-D6



n = 11

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 = 0.01274, low cutoff = 0.0002347, based on IQR multiplier of 3.

Constituent: Selenium Analysis Run 7/2/2024 10:58 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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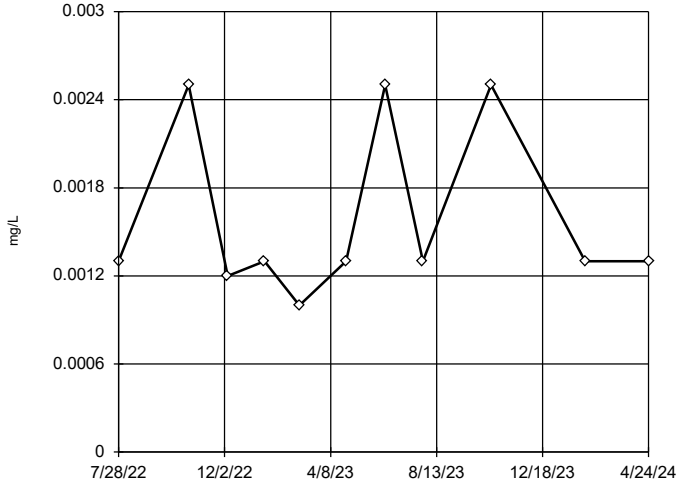
Tukey's Outlier Screening

MW-D7



n = 11

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

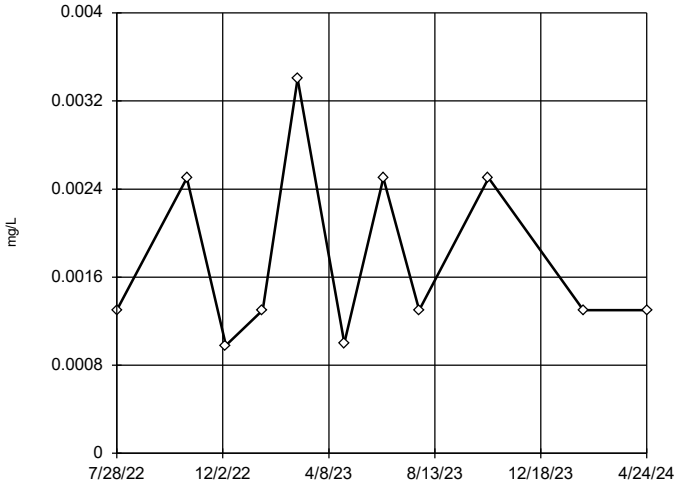
The results were invalidated, because both the lower and upper quartiles represent reporting limits.

Constituent: Selenium Analysis Run 7/2/2024 10:58 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Tukey's Outlier Screening

MW-D8



n = 11

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 both the lower and upper quartiles represent reporting limits.

Constituent: Selenium Analysis Run 7/2/2024 10:58 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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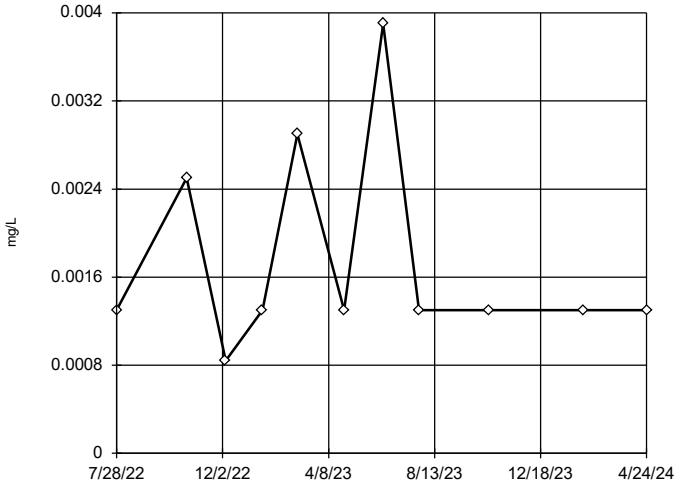
Tukey's Outlier Screening

MW-D9



n = 11

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 both the lower and upper quartiles represent reporting limits.

Constituent: Selenium Analysis Run 7/2/2024 10:58 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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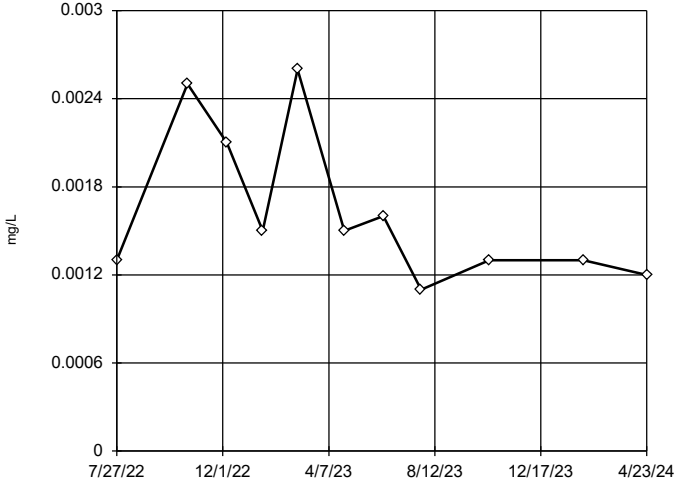
Tukey's Outlier Screening

MW-U2 (bg)



n = 11

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 = 0.008852, low cutoff = 0.0003084, based on IQR multiplier of 3.

Constituent: Selenium Analysis Run 7/2/2024 10:58 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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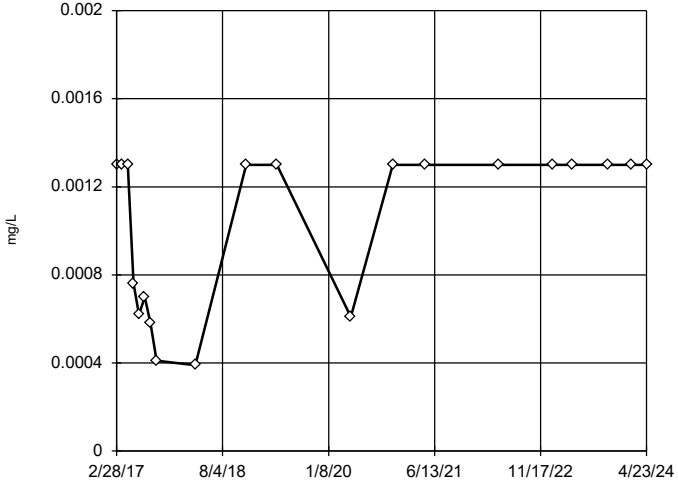
Tukey's Outlier Screening

MW-U1 (bg)



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).

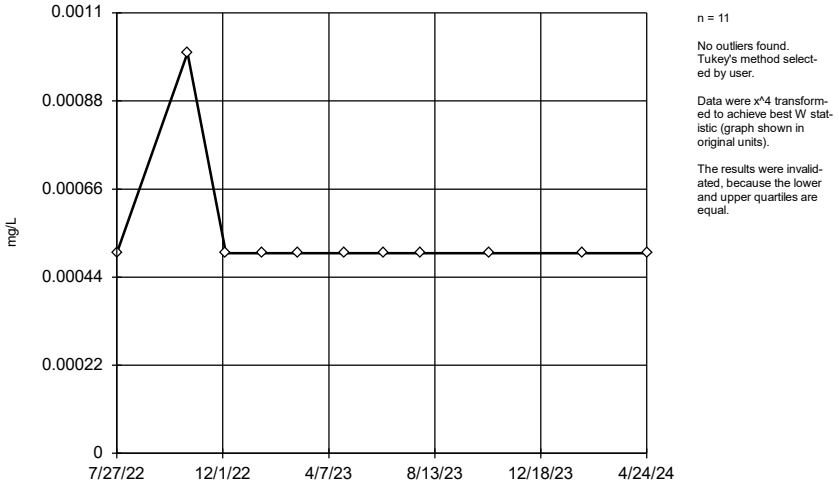
High cutoff = 0.009989, low cutoff = 0.00008573, based on IQR multiplier of 3.

Constituent: Selenium Analysis Run 7/2/2024 10:58 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Tukey's Outlier Screening

MW-D4



n = 11

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: Thallium Analysis Run 7/2/2024 10:58 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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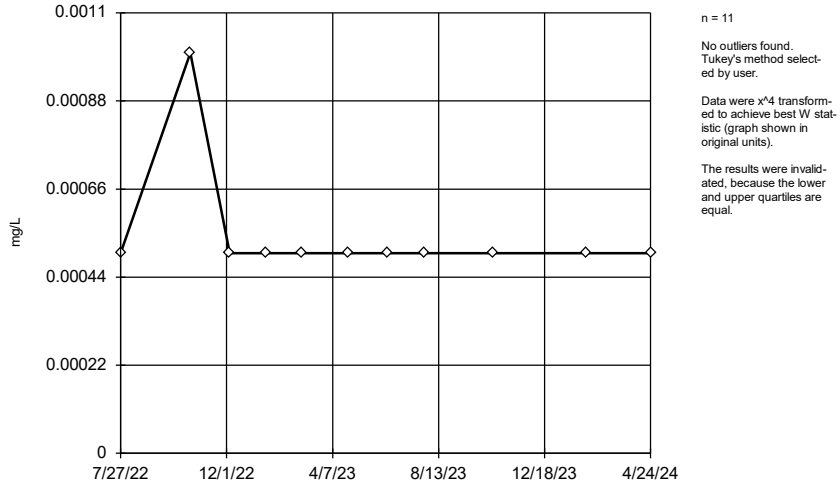
Tukey's Outlier Screening

MW-D5



n = 11

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: Thallium Analysis Run 7/2/2024 10:58 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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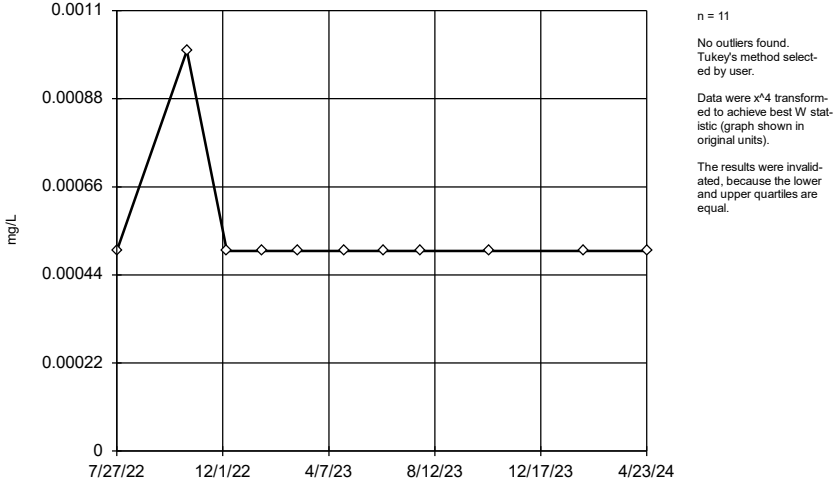
Tukey's Outlier Screening

MW-D6



n = 11

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: Thallium Analysis Run 7/2/2024 10:58 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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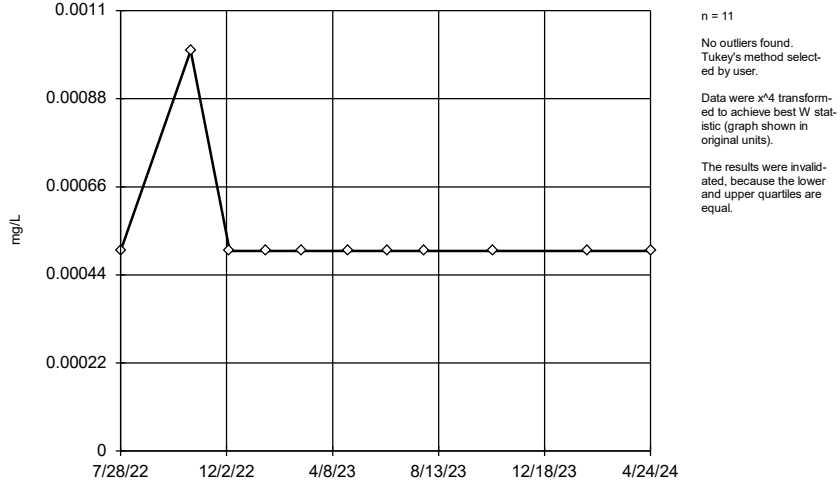
Tukey's Outlier Screening

MW-D7



n = 11

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

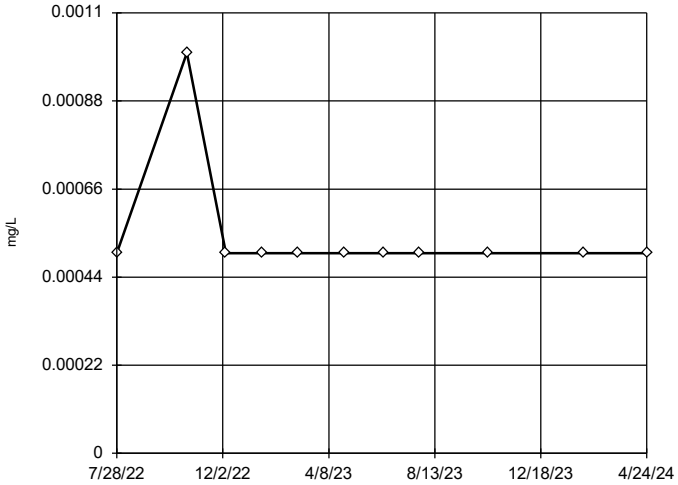
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Thallium Analysis Run 7/2/2024 10:58 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Tukey's Outlier Screening

MW-D8



n = 11

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: Thallium Analysis Run 7/2/2024 10:58 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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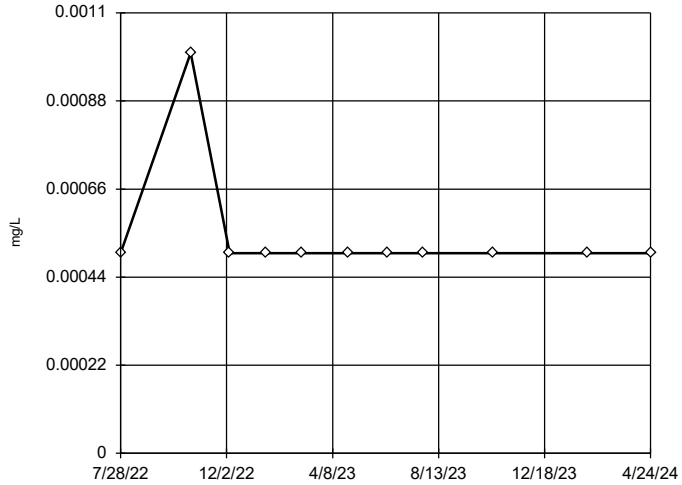
Tukey's Outlier Screening

MW-D9



n = 11

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: Thallium Analysis Run 7/2/2024 10:58 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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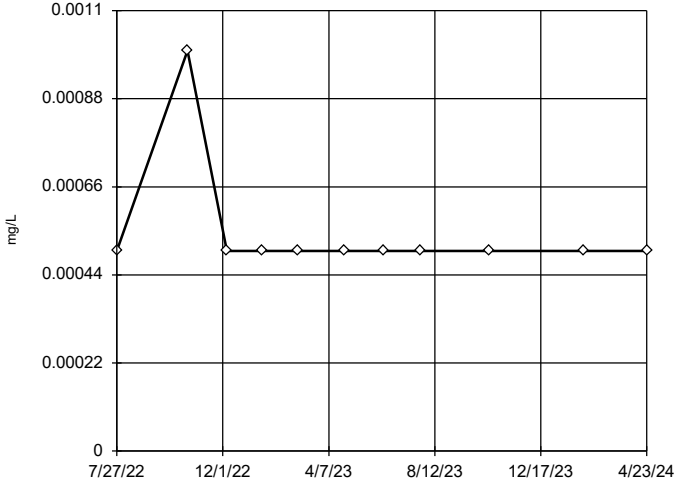
Tukey's Outlier Screening

MW-U2 (bg)



n = 11

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: Thallium Analysis Run 7/2/2024 10:58 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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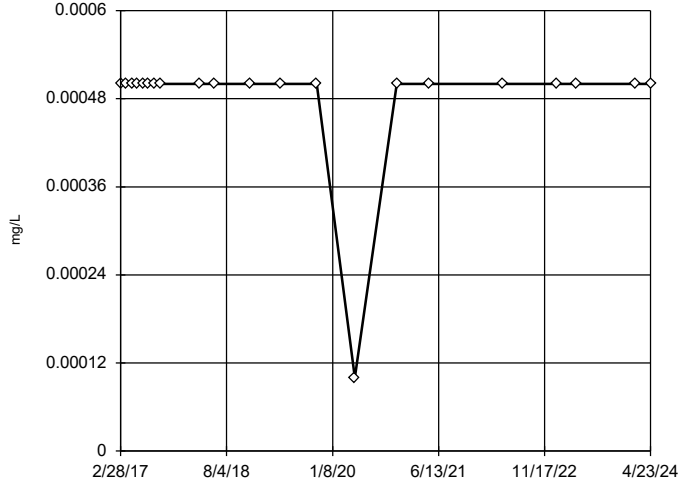
Tukey's Outlier Screening

MW-U1 (bg)



n = 21

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: Thallium Analysis Run 7/2/2024 10:58 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Outlier Analysis

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input Printed 7/2/2024, 11:01 AM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Antimony (mg/L)	MW-D4	n/a	n/a	n/a	NP	NaN	11	0.002538	0.001028	unknown	ShapiroWilk
Antimony (mg/L)	MW-D5	n/a	n/a	n/a	NP	NaN	11	0.002727	0.0007538	unknown	ShapiroWilk
Antimony (mg/L)	MW-D6	n/a	n/a	n/a	NP	NaN	11	0.002727	0.0007538	unknown	ShapiroWilk
Antimony (mg/L)	MW-D7	n/a	n/a	n/a	NP	NaN	11	0.002727	0.0007538	unknown	ShapiroWilk
Antimony (mg/L)	MW-D8	n/a	n/a	n/a	NP	NaN	11	0.002727	0.0007538	unknown	ShapiroWilk
Antimony (mg/L)	MW-D9	n/a	n/a	n/a	NP	NaN	11	0.002727	0.0007538	unknown	ShapiroWilk
Antimony (mg/L)	MW-U2 (bg)	n/a	n/a	n/a	NP	NaN	11	0.002727	0.0007538	unknown	ShapiroWilk
Antimony (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	17	0.002382	0.0004851	unknown	ShapiroWilk
Arsenic (mg/L)	MW-D4	n/a	n/a	n/a	NP	NaN	11	0.001409	0.0003618	unknown	ShapiroWilk
Arsenic (mg/L)	MW-D5	n/a	n/a	n/a	NP	NaN	11	0.001409	0.0003618	unknown	ShapiroWilk
Arsenic (mg/L)	MW-D6	n/a	n/a	n/a	NP	NaN	11	0.001409	0.0003618	unknown	ShapiroWilk
Arsenic (mg/L)	MW-D7	n/a	n/a	n/a	NP	NaN	11	0.001409	0.0003618	unknown	ShapiroWilk
Arsenic (mg/L)	MW-D8	n/a	n/a	n/a	NP	NaN	11	0.001409	0.0003618	unknown	ShapiroWilk
Arsenic (mg/L)	**MW-D9**	**Yes**	**0.0025,0....**	**10/20/202...**	**NP**	**NaN**	**11**	**0.001414**	**0.0003848**	**ln(x)**	**ShapiroWilk**
Arsenic (mg/L)	MW-U2 (bg)	n/a	n/a	n/a	NP	NaN	11	0.001409	0.0003618	unknown	ShapiroWilk
Arsenic (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	23	0.001292	0.0004171	unknown	ShapiroWilk
Barium (mg/L)	MW-D4	No	n/a	n/a	NP	NaN	11	0.02755	0.006846	ln(x)	ShapiroWilk
Barium (mg/L)	**MW-D5**	**Yes**	**0.062**	**2/7/2024**	**NP**	**NaN**	**11**	**0.03136**	**0.01058**	**ln(x)**	**ShapiroWilk**
Barium (mg/L)	MW-D6	No	n/a	n/a	NP	NaN	11	0.009464	0.001298	ln(x)	ShapiroWilk
Barium (mg/L)	MW-D7	No	n/a	n/a	NP	NaN	11	0.09436	0.02235	ln(x)	ShapiroWilk
Barium (mg/L)	MW-D8	No	n/a	n/a	NP	NaN	11	0.05473	0.003875	x^5	ShapiroWilk
Barium (mg/L)	MW-D9	No	n/a	n/a	NP	NaN	11	0.04236	0.004589	ln(x)	ShapiroWilk
Barium (mg/L)	MW-U2 (bg)	No	n/a	n/a	NP	NaN	11	0.01774	0.01047	ln(x)	ShapiroWilk
Barium (mg/L)	MW-U1 (bg)	No	n/a	n/a	NP	NaN	24	0.002629	0.001002	ln(x)	ShapiroWilk
Beryllium (mg/L)	MW-D4	n/a	n/a	n/a	NP	NaN	11	0.002182	0.000603	unknown	ShapiroWilk
Beryllium (mg/L)	MW-D5	n/a	n/a	n/a	NP	NaN	11	0.002025	0.0008337	unknown	ShapiroWilk
Beryllium (mg/L)	MW-D6	n/a	n/a	n/a	NP	NaN	11	0.002182	0.000603	unknown	ShapiroWilk
Beryllium (mg/L)	MW-D7	n/a	n/a	n/a	NP	NaN	11	0.002182	0.000603	unknown	ShapiroWilk
Beryllium (mg/L)	MW-D8	n/a	n/a	n/a	NP	NaN	11	0.002182	0.000603	unknown	ShapiroWilk
Beryllium (mg/L)	MW-D9	n/a	n/a	n/a	NP	NaN	11	0.002182	0.000603	unknown	ShapiroWilk
Beryllium (mg/L)	MW-U2 (bg)	n/a	n/a	n/a	NP	NaN	11	0.002182	0.000603	unknown	ShapiroWilk
Beryllium (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	17	0.001935	0.0004137	unknown	ShapiroWilk
Cadmium (mg/L)	MW-D4	n/a	n/a	n/a	NP	NaN	11	0.001091	0.0003015	unknown	ShapiroWilk
Cadmium (mg/L)	MW-D5	n/a	n/a	n/a	NP	NaN	11	0.001091	0.0003015	unknown	ShapiroWilk
Cadmium (mg/L)	MW-D6	n/a	n/a	n/a	NP	NaN	11	0.001091	0.0003015	unknown	ShapiroWilk
Cadmium (mg/L)	MW-D7	n/a	n/a	n/a	NP	NaN	11	0.001078	0.0003086	unknown	ShapiroWilk
Cadmium (mg/L)	MW-D8	n/a	n/a	n/a	NP	NaN	11	0.001109	0.0003015	unknown	ShapiroWilk
Cadmium (mg/L)	MW-D9	n/a	n/a	n/a	NP	NaN	11	0.001091	0.0003015	unknown	ShapiroWilk
Cadmium (mg/L)	MW-U2 (bg)	n/a	n/a	n/a	NP	NaN	11	0.001182	0.0004045	unknown	ShapiroWilk
Cadmium (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	18	0.001039	0.0004104	unknown	ShapiroWilk
Chromium (mg/L)	**MW-D4**	**Yes**	**0.011**	**10/17/2023**	**NP**	**NaN**	**10**	**0.00352**	**0.002764**	**ln(x)**	**ShapiroWilk**
Chromium (mg/L)	**MW-D5**	**Yes**	**0.026**	**10/18/2023**	**NP**	**NaN**	**10**	**0.00501**	**0.007426**	**ln(x)**	**ShapiroWilk**
Chromium (mg/L)	MW-D6	No	n/a	n/a	NP	NaN	10	0.00622	0.01158	ln(x)	ShapiroWilk
Chromium (mg/L)	MW-D7	n/a	n/a	n/a	NP	NaN	10	0.00262	0.0009307	unknown	ShapiroWilk
Chromium (mg/L)	MW-D8	n/a	n/a	n/a	NP	NaN	10	0.00262	0.000663	unknown	ShapiroWilk
Chromium (mg/L)	MW-D9	n/a	n/a	n/a	NP	NaN	10	0.00263	0.0008693	unknown	ShapiroWilk
Chromium (mg/L)	MW-U2 (bg)	No	n/a	n/a	NP	NaN	10	0.00303	0.001436	ln(x)	ShapiroWilk
Chromium (mg/L)	MW-U1 (bg)	No	n/a	n/a	NP	NaN	22	0.001932	0.001111	ln(x)	ShapiroWilk
Cobalt (mg/L)	MW-D4	n/a	n/a	n/a	NP	NaN	11	0.002543	0.0009982	unknown	ShapiroWilk
Cobalt (mg/L)	MW-D5	n/a	n/a	n/a	NP	NaN	11	0.002718	0.0007574	unknown	ShapiroWilk

Outlier Analysis

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input Printed 7/2/2024, 11:01 AM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Cobalt (mg/L)	MW-D6	n/a	n/a	n/a	NP	NaN	11	0.002691	0.0007752	unknown	ShapiroWilk
Cobalt (mg/L)	MW-D7	No	n/a	n/a	NP	NaN	11	0.002041	0.001273	sqrt(x)	ShapiroWilk
Cobalt (mg/L)	MW-D8	n/a	n/a	n/a	NP	NaN	11	0.002691	0.0007752	unknown	ShapiroWilk
Cobalt (mg/L)	MW-D9	n/a	n/a	n/a	NP	NaN	11	0.002539	0.001069	unknown	ShapiroWilk
Cobalt (mg/L)	MW-U2 (bg)	n/a	n/a	n/a	NP	NaN	11	0.002535	0.0009818	unknown	ShapiroWilk
Cobalt (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	22	0.002264	0.0006253	unknown	ShapiroWilk
Combined Radium 226 + 228 (pCi/L)	MW-D4	No	n/a	n/a	NP	NaN	11	0.5447	0.3503	sqrt(x)	ShapiroWilk
Combined Radium 226 + 228 (pCi/L)	MW-D5	No	n/a	n/a	NP	NaN	11	0.503	0.1907	x^(1/3)	ShapiroWilk
Combined Radium 226 + 228 (pCi/L)	MW-D6	No	n/a	n/a	NP	NaN	11	0.5804	0.4694	normal	ShapiroWilk
Combined Radium 226 + 228 (pCi/L)	MW-D7	No	n/a	n/a	NP	NaN	11	0.5461	0.3698	normal	ShapiroWilk
Combined Radium 226 + 228 (pCi/L)	MW-D8	No	n/a	n/a	NP	NaN	11	0.4199	0.2882	normal	ShapiroWilk
Combined Radium 226 + 228 (pCi/L)	MW-D9	No	n/a	n/a	NP	NaN	11	0.3615	0.2668	normal	ShapiroWilk
Combined Radium 226 + 228 (pCi/L)	MW-U2 (bg)	No	n/a	n/a	NP	NaN	11	0.522	0.3781	normal	ShapiroWilk
Combined Radium 226 + 228 (pCi/L)	MW-U1 (bg)	No	n/a	n/a	NP	NaN	24	0.2743	0.3621	normal	ShapiroWilk
Fluoride (mg/L)	**MW-D4**	**Yes**	**1**	**7/27/2022**	**NP**	**NaN**	**11**	**0.2236**	**0.2592**	**ln(x)**	**ShapiroWilk**
Fluoride (mg/L)	**MW-D5**	**Yes**	**1,0.027**	**7/27/2022...**	**NP**	**NaN**	**11**	**0.1663**	**0.278**	**ln(x)**	**ShapiroWilk**
Fluoride (mg/L)	**MW-D6**	**Yes**	**1**	**7/27/2022**	**NP**	**NaN**	**11**	**0.2015**	**0.2675**	**ln(x)**	**ShapiroWilk**
Fluoride (mg/L)	**MW-D7**	**Yes**	**1**	**7/28/2022**	**NP**	**NaN**	**11**	**0.1649**	**0.2775**	**ln(x)**	**ShapiroWilk**
Fluoride (mg/L)	**MW-D8**	**Yes**	**1**	**7/28/2022**	**NP**	**NaN**	**11**	**0.1698**	**0.276**	**ln(x)**	**ShapiroWilk**
Fluoride (mg/L)	**MW-D9**	**Yes**	**1**	**7/28/2022**	**NP**	**NaN**	**11**	**0.1753**	**0.2749**	**ln(x)**	**ShapiroWilk**
Fluoride (mg/L)	MW-U2 (bg)	No	n/a	n/a	NP	NaN	11	0.1762	0.1263	ln(x)	ShapiroWilk
Fluoride (mg/L)	MW-U1 (bg)	No	n/a	n/a	NP	NaN	24	0.06917	0.0223	ln(x)	ShapiroWilk
Lead (mg/L)	MW-D4	n/a	n/a	n/a	NP	NaN	11	0.001409	0.0003618	unknown	ShapiroWilk
Lead (mg/L)	MW-D5	n/a	n/a	n/a	NP	NaN	11	0.001295	0.0004871	unknown	ShapiroWilk
Lead (mg/L)	MW-D6	n/a	n/a	n/a	NP	NaN	11	0.001409	0.0003618	unknown	ShapiroWilk
Lead (mg/L)	MW-D7	n/a	n/a	n/a	NP	NaN	11	0.001409	0.0003618	unknown	ShapiroWilk
Lead (mg/L)	MW-D8	n/a	n/a	n/a	NP	NaN	11	0.001409	0.0003618	unknown	ShapiroWilk
Lead (mg/L)	MW-D9	n/a	n/a	n/a	NP	NaN	11	0.001409	0.0003618	unknown	ShapiroWilk
Lead (mg/L)	MW-U2 (bg)	n/a	n/a	n/a	NP	NaN	11	0.001409	0.0003618	unknown	ShapiroWilk
Lead (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	17	0.0012	0.000291	unknown	ShapiroWilk
Lithium (mg/L)	MW-D4	n/a	n/a	n/a	NP	NaN	11	0.002727	0.0007538	unknown	ShapiroWilk
Lithium (mg/L)	MW-D5	n/a	n/a	n/a	NP	NaN	11	0.003364	0.001534	unknown	ShapiroWilk
Lithium (mg/L)	MW-D6	n/a	n/a	n/a	NP	NaN	11	0.003009	0.001141	unknown	ShapiroWilk
Lithium (mg/L)	MW-D7	n/a	n/a	n/a	NP	NaN	11	0.002727	0.0007538	unknown	ShapiroWilk
Lithium (mg/L)	MW-D8	n/a	n/a	n/a	NP	NaN	11	0.002955	0.001011	unknown	ShapiroWilk
Lithium (mg/L)	MW-D9	n/a	n/a	n/a	NP	NaN	11	0.002945	0.0009913	unknown	ShapiroWilk
Lithium (mg/L)	MW-U2 (bg)	n/a	n/a	n/a	NP	NaN	11	0.002727	0.0007538	unknown	ShapiroWilk
Lithium (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	20	0.002457	0.001014	unknown	ShapiroWilk
Mercury (mg/L)	MW-D4	n/a	n/a	n/a	NP	NaN	11	0.0002	0	unknown	ShapiroWilk
Mercury (mg/L)	MW-D5	n/a	n/a	n/a	NP	NaN	11	0.0002	0	unknown	ShapiroWilk
Mercury (mg/L)	MW-D6	n/a	n/a	n/a	NP	NaN	11	0.0002	0	unknown	ShapiroWilk
Mercury (mg/L)	MW-D7	n/a	n/a	n/a	NP	NaN	11	0.0002	0	unknown	ShapiroWilk
Mercury (mg/L)	MW-D8	n/a	n/a	n/a	NP	NaN	11	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-D9	n/a	n/a	n/a	NP	NaN	11	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-U2 (bg)	n/a	n/a	n/a	NP	NaN	11	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	17	0.000...	0.0000245	unknown	ShapiroWilk
Molybdenum (mg/L)	MW-D4	n/a	n/a	n/a	NP	NaN	11	0.01035	0.003703	unknown	ShapiroWilk
Molybdenum (mg/L)	MW-D5	n/a	n/a	n/a	NP	NaN	11	0.01025	0.003907	unknown	ShapiroWilk
Molybdenum (mg/L)	MW-D6	n/a	n/a	n/a	NP	NaN	11	0.01025	0.003907	unknown	ShapiroWilk
Molybdenum (mg/L)	MW-D7	n/a	n/a	n/a	NP	NaN	11	0.01028	0.003831	unknown	ShapiroWilk

Outlier Analysis

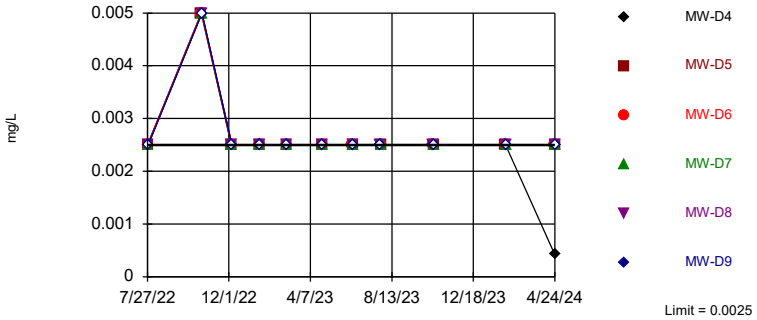
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input Printed 7/2/2024, 11:01 AM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Molybdenum (mg/L)	MW-D8	n/a	n/a	n/a	NP	NaN	11	0.009333	0.004969	unknown	ShapiroWilk
Molybdenum (mg/L)	MW-D9	n/a	n/a	n/a	NP	NaN	11	0.009582	0.004527	unknown	ShapiroWilk
Molybdenum (mg/L)	MW-U2 (bg)	n/a	n/a	n/a	NP	NaN	11	0.0103	0.003793	unknown	ShapiroWilk
Molybdenum (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	22	0.009368	0.003674	unknown	ShapiroWilk
Selenium (mg/L)	MW-D4	No	n/a	n/a	NP	NaN	11	0.001636	0.000754	ln(x)	ShapiroWilk
Selenium (mg/L)	MW-D5	n/a	n/a	n/a	NP	NaN	11	0.001545	0.0006409	unknown	ShapiroWilk
Selenium (mg/L)	MW-D6	No	n/a	n/a	NP	NaN	11	0.001673	0.0005658	ln(x)	ShapiroWilk
Selenium (mg/L)	MW-D7	n/a	n/a	n/a	NP	NaN	11	0.001591	0.0005907	unknown	ShapiroWilk
Selenium (mg/L)	MW-D8	n/a	n/a	n/a	NP	NaN	11	0.001762	0.0008109	unknown	ShapiroWilk
Selenium (mg/L)	MW-D9	n/a	n/a	n/a	NP	NaN	11	0.001749	0.0009356	unknown	ShapiroWilk
Selenium (mg/L)	MW-U2 (bg)	No	n/a	n/a	NP	NaN	11	0.001636	0.000524	ln(x)	ShapiroWilk
Selenium (mg/L)	MW-U1 (bg)	No	n/a	n/a	NP	NaN	20	0.001049	0.0003601	ln(x)	ShapiroWilk
Thallium (mg/L)	MW-D4	n/a	n/a	n/a	NP	NaN	11	0.000...	0.0001508	unknown	ShapiroWilk
Thallium (mg/L)	MW-D5	n/a	n/a	n/a	NP	NaN	11	0.000...	0.0001508	unknown	ShapiroWilk
Thallium (mg/L)	MW-D6	n/a	n/a	n/a	NP	NaN	11	0.000...	0.0001508	unknown	ShapiroWilk
Thallium (mg/L)	MW-D7	n/a	n/a	n/a	NP	NaN	11	0.000...	0.0001508	unknown	ShapiroWilk
Thallium (mg/L)	MW-D8	n/a	n/a	n/a	NP	NaN	11	0.000...	0.0001508	unknown	ShapiroWilk
Thallium (mg/L)	MW-D9	n/a	n/a	n/a	NP	NaN	11	0.000...	0.0001508	unknown	ShapiroWilk
Thallium (mg/L)	MW-U2 (bg)	n/a	n/a	n/a	NP	NaN	11	0.000...	0.0001508	unknown	ShapiroWilk
Thallium (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	21	0.000481	0.0000...	unknown	ShapiroWilk

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. 84.96% coverage at alpha=0.01; 90.04% coverage at alpha=0.05; 97.46% coverage at alpha=0.5. Report alpha = 0.2378.

Constituent: Antimony Analysis Run 7/2/2024 11:01 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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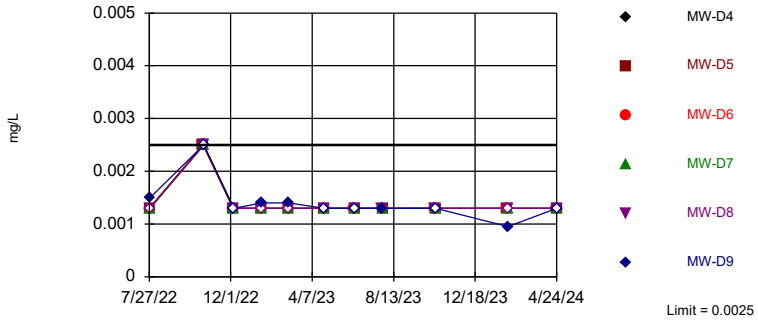
Hollow symbols indicate censored values.
Within Limit

Tolerance Limit

Interwell Non-parametric



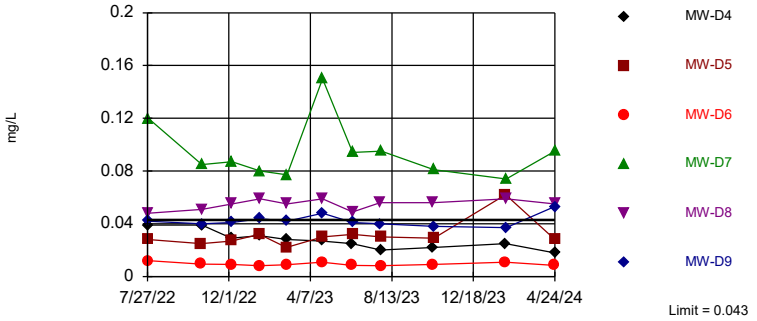
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. Limit is highest of 34 background values. 88.24% NDs. 87.3% coverage at alpha=0.01; 91.6% coverage at alpha=0.05; 97.85% coverage at alpha=0.5. Report alpha = 0.1748.

Constituent: Arsenic Analysis Run 7/2/2024 11:01 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Exceeds Limit: MW-D7, MW-D8, MW-D9

Tolerance Limit

Interwell Non-parametric



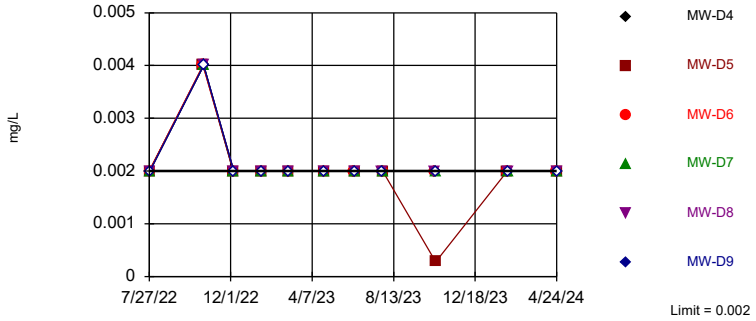
Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Most recent observation is compared with limit. Limit is highest of 35 background values. 87.7% coverage at alpha=0.01; 91.6% coverage at alpha=0.05; 97.85% coverage at alpha=0.5. Report alpha = 0.1661.

Constituent: Barium Analysis Run 7/2/2024 11:01 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.
Within Limit

Tolerance Limit

Interwell Non-parametric



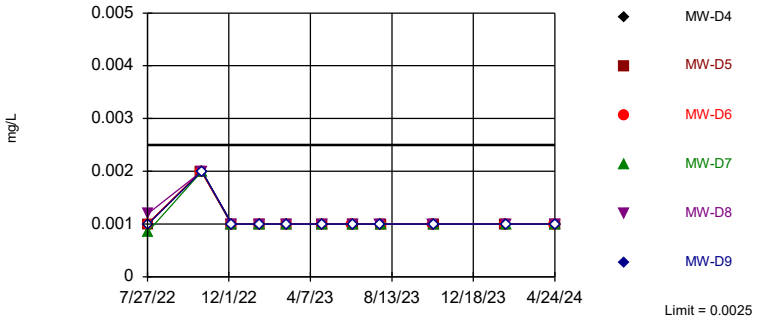
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. All background values were censored; limit is most recent reporting limit. 84.96% coverage at alpha=0.01; 90.04% coverage at alpha=0.05; 97.46% coverage at alpha=0.5. Report alpha = 0.2378.

Constituent: Beryllium Analysis Run 7/2/2024 11:01 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.
Within Limit

Tolerance Limit

Interwell Non-parametric



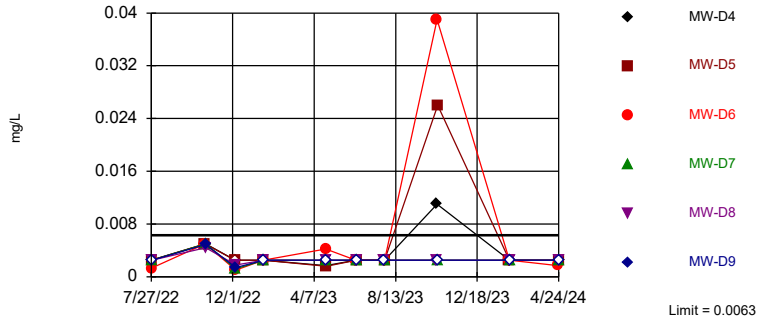
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. Limit is highest of 29 background values. 96.55% NDs. 85.35% coverage at alpha=0.01; 90.04% coverage at alpha=0.05; 97.46% coverage at alpha=0.5. Report alpha = 0.2259.

Constituent: Cadmium Analysis Run 7/2/2024 11:01 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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 32 background values. 31.25% NDs. 86.52% coverage at alpha=0.01; 91.21% coverage at alpha=0.05; 97.85% coverage at alpha=0.5. Report alpha = 0.1937.

Constituent: Chromium Analysis Run 7/2/2024 11:01 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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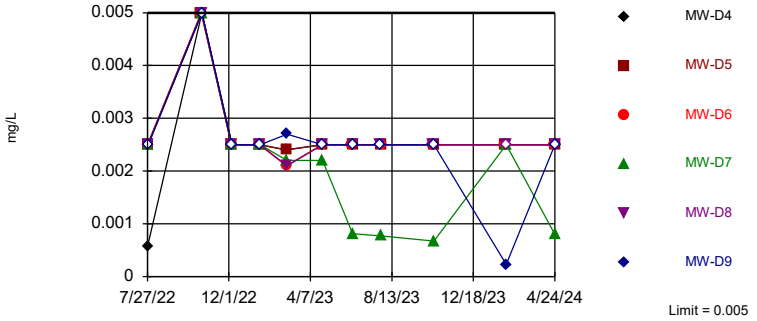
Hollow symbols indicate censored values.
Within Limit

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 33 background values. 90.91% NDs. 86.91% coverage at alpha=0.01; 91.21% coverage at alpha=0.05; 97.85% coverage at alpha=0.5. Report alpha = 0.184.

Constituent: Cobalt Analysis Run 7/2/2024 11:01 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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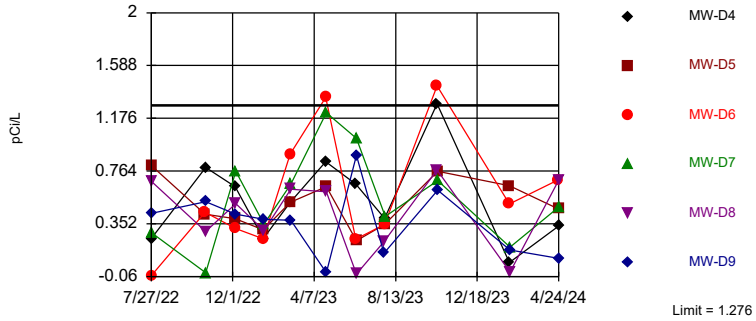
Within Limit

Tolerance Limit

Interwell Parametric



95% coverage. Most recent observation is compared with limit. Background Data Summary: Mean=0.3521, Std. Dev.=0.3799, n=35. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9362, critical = 0.91. Report alpha = 0.01.

Constituent: Combined Radium 226 + 228 Analysis Run 7/2/2024 11:01 AM View: Sanitas through Octobe
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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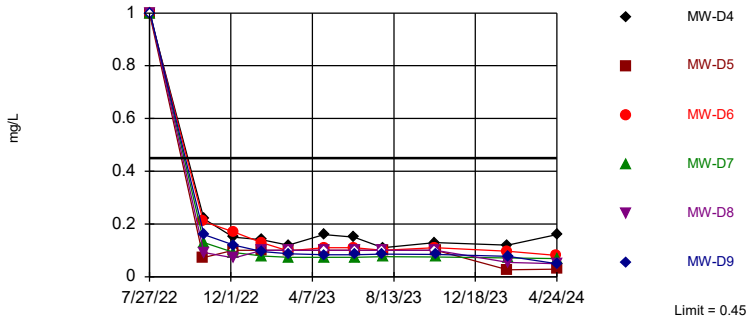
Hollow symbols indicate censored values.

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 35 background values. 8.571% NDs. 87.7% coverage at alpha=0.01; 91.6% coverage at alpha=0.05; 97.85% coverage at alpha=0.5. Report alpha = 0.1661.

Constituent: Fluoride Analysis Run 7/2/2024 11:01 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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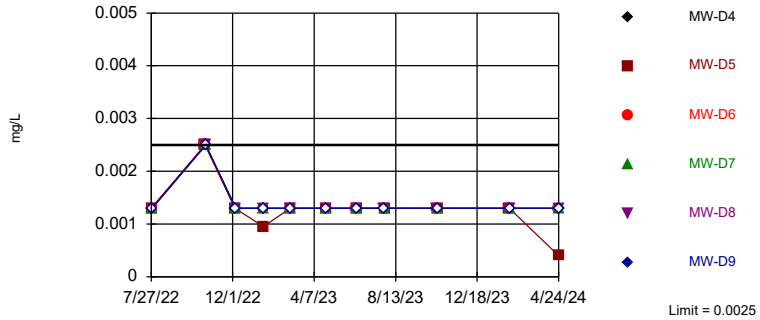
Hollow symbols indicate censored values.

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 28 background values. 96.43% NDs. 84.96% coverage at alpha=0.01; 90.04% coverage at alpha=0.05; 97.46% coverage at alpha=0.5. Report alpha = 0.2378.

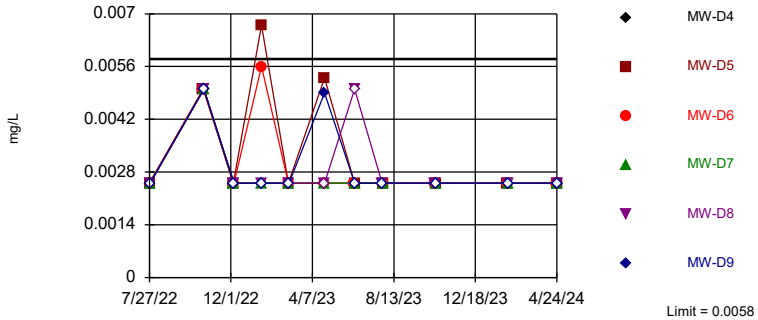
Constituent: Lead Analysis Run 7/2/2024 11:01 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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 31 background values. 93.55% NDs. 86.13% coverage at alpha=0.01; 90.82% coverage at alpha=0.05; 97.85% coverage at alpha=0.5. Report alpha = 0.2039.

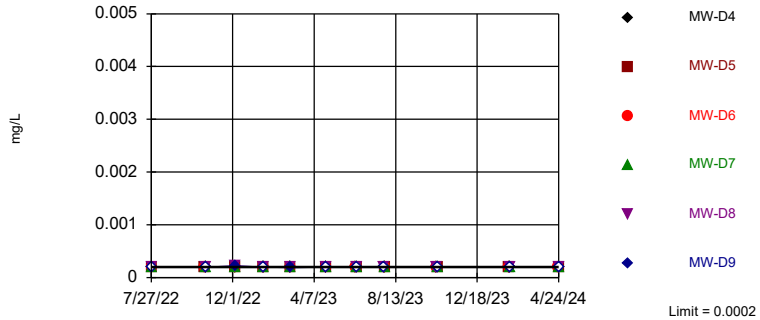
Constituent: Lithium Analysis Run 7/2/2024 11:01 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.

Within Limit

Tolerance Limit

Interwell Non-parametric



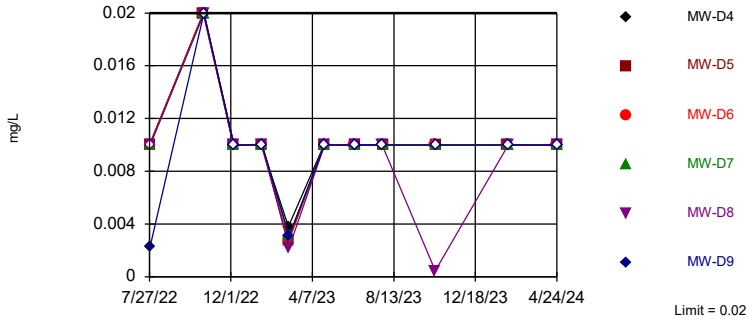
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. Limit is highest of 28 background values. 92.86% NDs. 84.96% coverage at alpha=0.01; 90.04% coverage at alpha=0.05; 97.46% coverage at alpha=0.5. Report alpha = 0.2378.

Constituent: Mercury Analysis Run 7/2/2024 11:01 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.
Within Limit

Tolerance Limit

Interwell Non-parametric



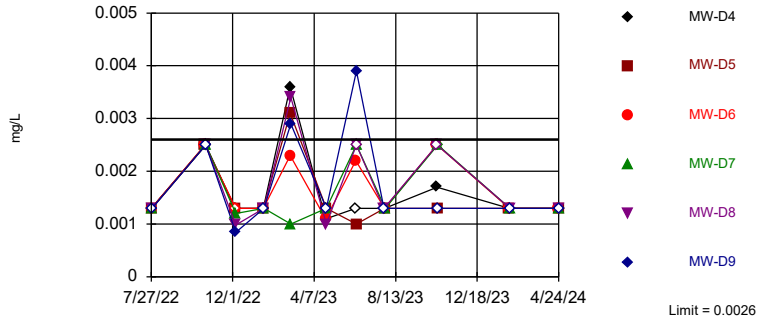
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. Limit is highest of 33 background values. 93.94% NDs. 86.91% coverage at alpha=0.01; 91.21% coverage at alpha=0.05; 97.85% coverage at alpha=0.5. Report alpha = 0.184.

Constituent: Molybdenum Analysis Run 7/2/2024 11:01 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG
Hollow symbols indicate censored values.
Within Limit

Tolerance Limit

Interwell Non-parametric



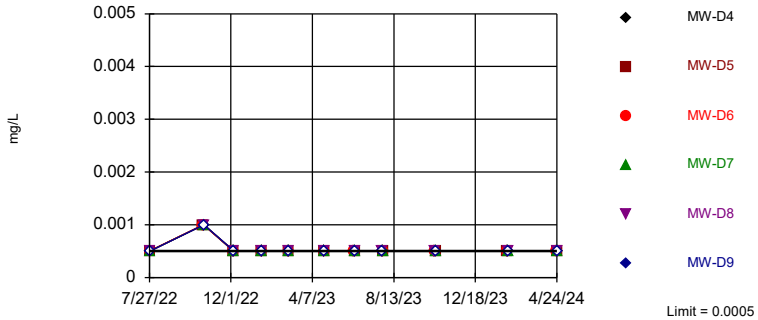
Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Most recent observation is compared with limit. Limit is highest of 31 background values. 54.84% NDs. 86.13% coverage at alpha=0.01; 90.82% coverage at alpha=0.05; 97.85% coverage at alpha=0.5. Report alpha = 0.2039.

Constituent: Selenium Analysis Run 7/2/2024 11:01 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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. 86.52% coverage at alpha=0.01; 91.21% coverage at alpha=0.05; 97.85% coverage at alpha=0.5. Report alpha = 0.1937.

Constituent: Thallium Analysis Run 7/2/2024 11:01 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Tolerance Limit

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input Printed 7/2/2024, 11:02 AM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	MW-D4	0.0025	4/24/2024	0.00042	No	28	100	n/a	0.04425	NP Inter(NDs)
Antimony (mg/L)	MW-D5	0.0025	4/24/2024	<0.0025	No	28	100	n/a	0.04425	NP Inter(NDs)
Antimony (mg/L)	MW-D6	0.0025	4/23/2024	<0.0025	No	28	100	n/a	0.04425	NP Inter(NDs)
Antimony (mg/L)	MW-D7	0.0025	4/24/2024	<0.0025	No	28	100	n/a	0.04425	NP Inter(NDs)
Antimony (mg/L)	MW-D8	0.0025	4/24/2024	<0.0025	No	28	100	n/a	0.04425	NP Inter(NDs)
Antimony (mg/L)	MW-D9	0.0025	4/24/2024	<0.0025	No	28	100	n/a	0.04425	NP Inter(NDs)
Arsenic (mg/L)	MW-D4	0.0025	4/24/2024	<0.0013	No	34	88.24	n/a	0.03152	NP Inter(NDs)
Arsenic (mg/L)	MW-D5	0.0025	4/24/2024	<0.0013	No	34	88.24	n/a	0.03152	NP Inter(NDs)
Arsenic (mg/L)	MW-D6	0.0025	4/23/2024	<0.0013	No	34	88.24	n/a	0.03152	NP Inter(NDs)
Arsenic (mg/L)	MW-D7	0.0025	4/24/2024	<0.0013	No	34	88.24	n/a	0.03152	NP Inter(NDs)
Arsenic (mg/L)	MW-D8	0.0025	4/24/2024	<0.0013	No	34	88.24	n/a	0.03152	NP Inter(NDs)
Arsenic (mg/L)	MW-D9	0.0025	4/24/2024	<0.0013	No	34	88.24	n/a	0.03152	NP Inter(NDs)
Barium (mg/L)	MW-D4	0.043	4/24/2024	0.018	No	35	0	n/a	0.02982	NP Inter(normal...
Barium (mg/L)	MW-D5	0.043	4/24/2024	0.028	No	35	0	n/a	0.02982	NP Inter(normal...
Barium (mg/L)	MW-D6	0.043	4/23/2024	0.0084	No	35	0	n/a	0.02982	NP Inter(normal...
Barium (mg/L)	**MW-D7**	**0.043**	**4/24/2024**	**0.095**	**Yes**	**35**	**0**	**n/a**	**0.02982**	**NP Inter(normal...**
Barium (mg/L)	**MW-D8**	**0.043**	**4/24/2024**	**0.055**	**Yes**	**35**	**0**	**n/a**	**0.02982**	**NP Inter(normal...**
Barium (mg/L)	**MW-D9**	**0.043**	**4/24/2024**	**0.053**	**Yes**	**35**	**0**	**n/a**	**0.02982**	**NP Inter(normal...**
Beryllium (mg/L)	MW-D4	0.002	4/24/2024	<0.002	No	28	100	n/a	0.04425	NP Inter(NDs)
Beryllium (mg/L)	MW-D5	0.002	4/24/2024	<0.002	No	28	100	n/a	0.04425	NP Inter(NDs)
Beryllium (mg/L)	MW-D6	0.002	4/23/2024	<0.002	No	28	100	n/a	0.04425	NP Inter(NDs)
Beryllium (mg/L)	MW-D7	0.002	4/24/2024	<0.002	No	28	100	n/a	0.04425	NP Inter(NDs)
Beryllium (mg/L)	MW-D8	0.002	4/24/2024	<0.002	No	28	100	n/a	0.04425	NP Inter(NDs)
Beryllium (mg/L)	MW-D9	0.002	4/24/2024	<0.002	No	28	100	n/a	0.04425	NP Inter(NDs)
Cadmium (mg/L)	MW-D4	0.0025	4/24/2024	<0.001	No	29	96.55	n/a	0.04179	NP Inter(NDs)
Cadmium (mg/L)	MW-D5	0.0025	4/24/2024	<0.001	No	29	96.55	n/a	0.04179	NP Inter(NDs)
Cadmium (mg/L)	MW-D6	0.0025	4/23/2024	<0.001	No	29	96.55	n/a	0.04179	NP Inter(NDs)
Cadmium (mg/L)	MW-D7	0.0025	4/24/2024	<0.001	No	29	96.55	n/a	0.04179	NP Inter(NDs)
Cadmium (mg/L)	MW-D8	0.0025	4/24/2024	<0.001	No	29	96.55	n/a	0.04179	NP Inter(NDs)
Cadmium (mg/L)	MW-D9	0.0025	4/24/2024	<0.001	No	29	96.55	n/a	0.04179	NP Inter(NDs)
Chromium (mg/L)	MW-D4	0.0063	4/24/2024	<0.0025	No	32	31.25	n/a	0.03525	NP Inter(normal...
Chromium (mg/L)	MW-D5	0.0063	4/24/2024	<0.0025	No	32	31.25	n/a	0.03525	NP Inter(normal...
Chromium (mg/L)	MW-D6	0.0063	4/23/2024	0.0017	No	32	31.25	n/a	0.03525	NP Inter(normal...
Chromium (mg/L)	MW-D7	0.0063	4/24/2024	<0.0025	No	32	31.25	n/a	0.03525	NP Inter(normal...
Chromium (mg/L)	MW-D8	0.0063	4/24/2024	<0.0025	No	32	31.25	n/a	0.03525	NP Inter(normal...
Chromium (mg/L)	MW-D9	0.0063	4/24/2024	<0.0025	No	32	31.25	n/a	0.03525	NP Inter(normal...
Cobalt (mg/L)	MW-D4	0.005	4/24/2024	<0.0025	No	33	90.91	n/a	0.03333	NP Inter(NDs)
Cobalt (mg/L)	MW-D5	0.005	4/24/2024	<0.0025	No	33	90.91	n/a	0.03333	NP Inter(NDs)
Cobalt (mg/L)	MW-D6	0.005	4/23/2024	<0.0025	No	33	90.91	n/a	0.03333	NP Inter(NDs)
Cobalt (mg/L)	MW-D7	0.005	4/24/2024	0.0008	No	33	90.91	n/a	0.03333	NP Inter(NDs)
Cobalt (mg/L)	MW-D8	0.005	4/24/2024	<0.0025	No	33	90.91	n/a	0.03333	NP Inter(NDs)
Cobalt (mg/L)	MW-D9	0.005	4/24/2024	<0.0025	No	33	90.91	n/a	0.03333	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	MW-D4	1.276	4/24/2024	0.335	No	35	0	No	0.001674	Inter
Combined Radium 226 + 228 (pCi/L)	MW-D5	1.276	4/24/2024	0.468	No	35	0	No	0.001674	Inter
Combined Radium 226 + 228 (pCi/L)	MW-D6	1.276	4/23/2024	0.695	No	35	0	No	0.001674	Inter
Combined Radium 226 + 228 (pCi/L)	MW-D7	1.276	4/24/2024	0.481	No	35	0	No	0.001674	Inter
Combined Radium 226 + 228 (pCi/L)	MW-D8	1.276	4/24/2024	0.691	No	35	0	No	0.001674	Inter
Combined Radium 226 + 228 (pCi/L)	MW-D9	1.276	4/24/2024	0.0821	No	35	0	No	0.001674	Inter
Fluoride (mg/L)	MW-D4	0.45	4/24/2024	0.16	No	35	8.571	n/a	0.02982	NP Inter(normal...
Fluoride (mg/L)	MW-D5	0.45	4/24/2024	0.029	No	35	8.571	n/a	0.02982	NP Inter(normal...

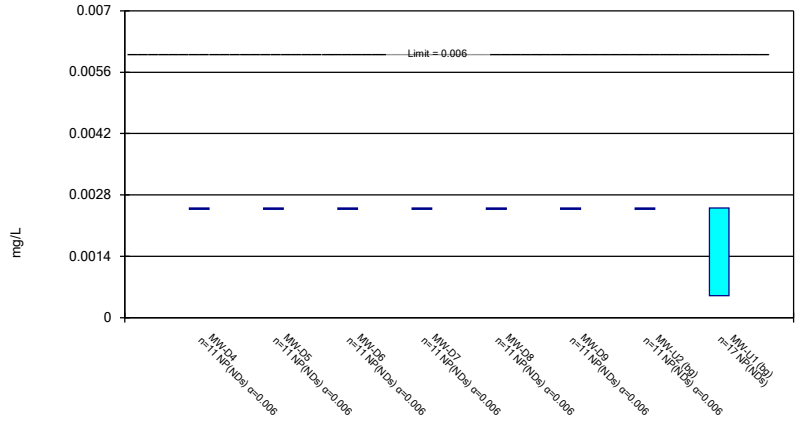
Tolerance Limit

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input Printed 7/2/2024, 11:02 AM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Fluoride (mg/L)	MW-D6	0.45	4/23/2024	0.081	No	35	8.571	n/a	0.02982	NP Inter(normal...
Fluoride (mg/L)	MW-D7	0.45	4/24/2024	0.069	No	35	8.571	n/a	0.02982	NP Inter(normal...
Fluoride (mg/L)	MW-D8	0.45	4/24/2024	0.05	No	35	8.571	n/a	0.02982	NP Inter(normal...
Fluoride (mg/L)	MW-D9	0.45	4/24/2024	0.05	No	35	8.571	n/a	0.02982	NP Inter(normal...
Lead (mg/L)	MW-D4	0.0025	4/24/2024	<0.0013	No	28	96.43	n/a	0.04425	NP Inter(NDs)
Lead (mg/L)	MW-D5	0.0025	4/24/2024	0.0004	No	28	96.43	n/a	0.04425	NP Inter(NDs)
Lead (mg/L)	MW-D6	0.0025	4/23/2024	<0.0013	No	28	96.43	n/a	0.04425	NP Inter(NDs)
Lead (mg/L)	MW-D7	0.0025	4/24/2024	<0.0013	No	28	96.43	n/a	0.04425	NP Inter(NDs)
Lead (mg/L)	MW-D8	0.0025	4/24/2024	<0.0013	No	28	96.43	n/a	0.04425	NP Inter(NDs)
Lead (mg/L)	MW-D9	0.0025	4/24/2024	<0.0013	No	28	96.43	n/a	0.04425	NP Inter(NDs)
Lithium (mg/L)	MW-D4	0.0058	4/24/2024	<0.0025	No	31	93.55	n/a	0.03729	NP Inter(NDs)
Lithium (mg/L)	MW-D5	0.0058	4/24/2024	<0.0025	No	31	93.55	n/a	0.03729	NP Inter(NDs)
Lithium (mg/L)	MW-D6	0.0058	4/23/2024	<0.0025	No	31	93.55	n/a	0.03729	NP Inter(NDs)
Lithium (mg/L)	MW-D7	0.0058	4/24/2024	<0.0025	No	31	93.55	n/a	0.03729	NP Inter(NDs)
Lithium (mg/L)	MW-D8	0.0058	4/24/2024	<0.0025	No	31	93.55	n/a	0.03729	NP Inter(NDs)
Lithium (mg/L)	MW-D9	0.0058	4/24/2024	<0.0025	No	31	93.55	n/a	0.03729	NP Inter(NDs)
Mercury (mg/L)	MW-D4	0.0002	4/24/2024	<0.0002	No	28	92.86	n/a	0.04425	NP Inter(NDs)
Mercury (mg/L)	MW-D5	0.0002	4/24/2024	<0.0002	No	28	92.86	n/a	0.04425	NP Inter(NDs)
Mercury (mg/L)	MW-D6	0.0002	4/23/2024	<0.0002	No	28	92.86	n/a	0.04425	NP Inter(NDs)
Mercury (mg/L)	MW-D7	0.0002	4/24/2024	<0.0002	No	28	92.86	n/a	0.04425	NP Inter(NDs)
Mercury (mg/L)	MW-D8	0.0002	4/24/2024	<0.0002	No	28	92.86	n/a	0.04425	NP Inter(NDs)
Mercury (mg/L)	MW-D9	0.0002	4/24/2024	<0.0002	No	28	92.86	n/a	0.04425	NP Inter(NDs)
Molybdenum (mg/L)	MW-D4	0.02	4/24/2024	<0.01	No	33	93.94	n/a	0.03333	NP Inter(NDs)
Molybdenum (mg/L)	MW-D5	0.02	4/24/2024	<0.01	No	33	93.94	n/a	0.03333	NP Inter(NDs)
Molybdenum (mg/L)	MW-D6	0.02	4/23/2024	<0.01	No	33	93.94	n/a	0.03333	NP Inter(NDs)
Molybdenum (mg/L)	MW-D7	0.02	4/24/2024	<0.01	No	33	93.94	n/a	0.03333	NP Inter(NDs)
Molybdenum (mg/L)	MW-D8	0.02	4/24/2024	<0.01	No	33	93.94	n/a	0.03333	NP Inter(NDs)
Molybdenum (mg/L)	MW-D9	0.02	4/24/2024	<0.01	No	33	93.94	n/a	0.03333	NP Inter(NDs)
Selenium (mg/L)	MW-D4	0.0026	4/24/2024	<0.0013	No	31	54.84	n/a	0.03729	NP Inter(normal...
Selenium (mg/L)	MW-D5	0.0026	4/24/2024	<0.0013	No	31	54.84	n/a	0.03729	NP Inter(normal...
Selenium (mg/L)	MW-D6	0.0026	4/23/2024	<0.0013	No	31	54.84	n/a	0.03729	NP Inter(normal...
Selenium (mg/L)	MW-D7	0.0026	4/24/2024	<0.0013	No	31	54.84	n/a	0.03729	NP Inter(normal...
Selenium (mg/L)	MW-D8	0.0026	4/24/2024	<0.0013	No	31	54.84	n/a	0.03729	NP Inter(normal...
Selenium (mg/L)	MW-D9	0.0026	4/24/2024	<0.0013	No	31	54.84	n/a	0.03729	NP Inter(normal...
Thallium (mg/L)	MW-D4	0.0005	4/24/2024	<0.0005	No	32	100	n/a	0.03525	NP Inter(NDs)
Thallium (mg/L)	MW-D5	0.0005	4/24/2024	<0.0005	No	32	100	n/a	0.03525	NP Inter(NDs)
Thallium (mg/L)	MW-D6	0.0005	4/23/2024	<0.0005	No	32	100	n/a	0.03525	NP Inter(NDs)
Thallium (mg/L)	MW-D7	0.0005	4/24/2024	<0.0005	No	32	100	n/a	0.03525	NP Inter(NDs)
Thallium (mg/L)	MW-D8	0.0005	4/24/2024	<0.0005	No	32	100	n/a	0.03525	NP Inter(NDs)
Thallium (mg/L)	MW-D9	0.0005	4/24/2024	<0.0005	No	32	100	n/a	0.03525	NP Inter(NDs)

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

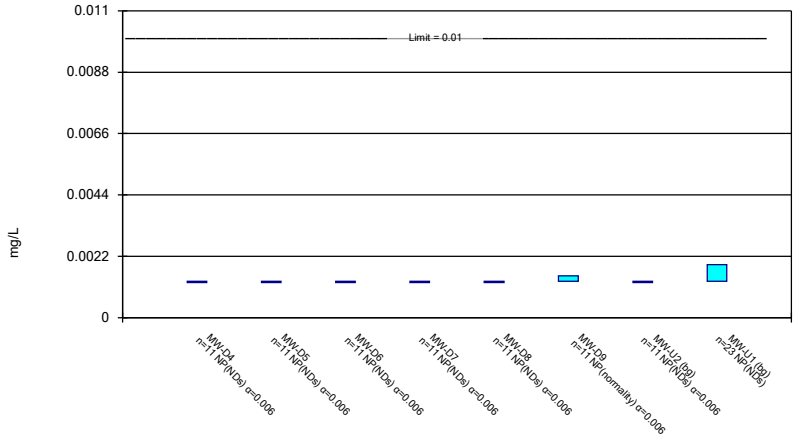


Constituent: Antimony Analysis Run 7/2/2024 11:02 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

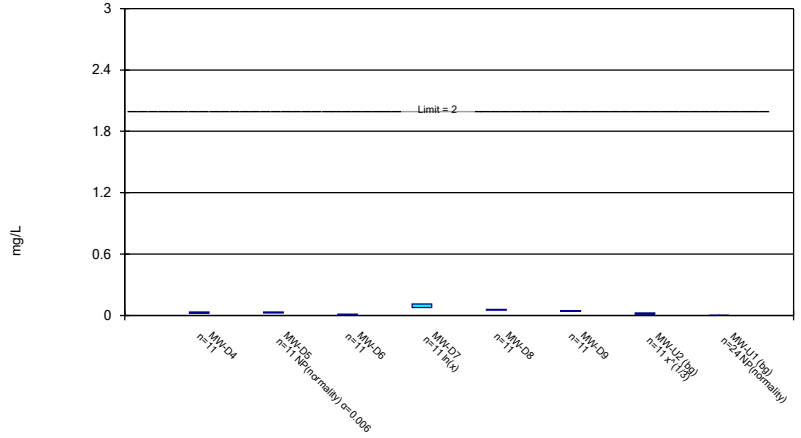


Constituent: Arsenic Analysis Run 7/2/2024 11:02 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

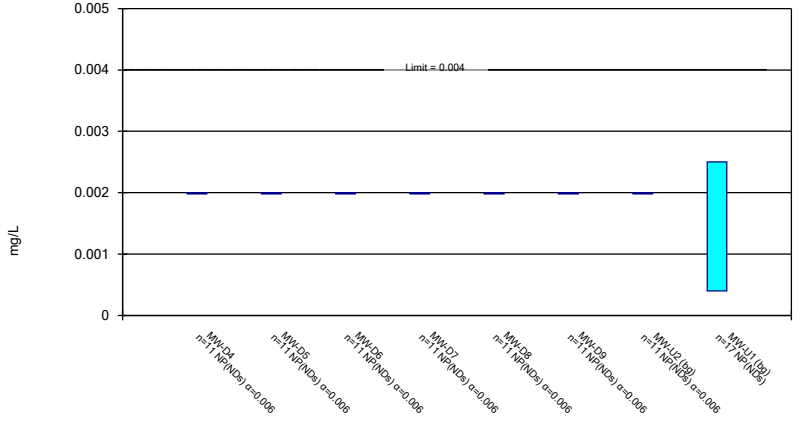


Constituent: Barium Analysis Run 7/2/2024 11:02 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

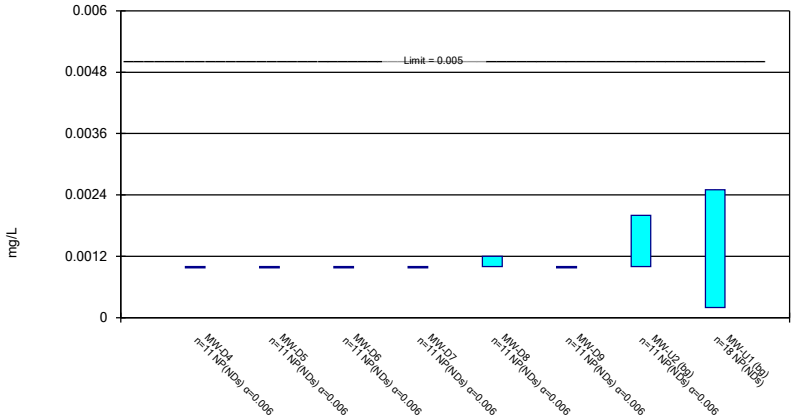


Constituent: Beryllium Analysis Run 7/2/2024 11:02 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Cadmium Analysis Run 7/2/2024 11:02 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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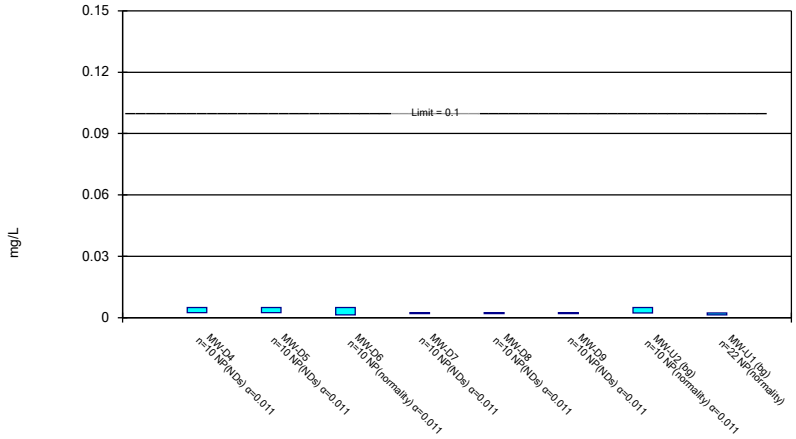
Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Chromium Analysis Run 7/2/2024 11:02 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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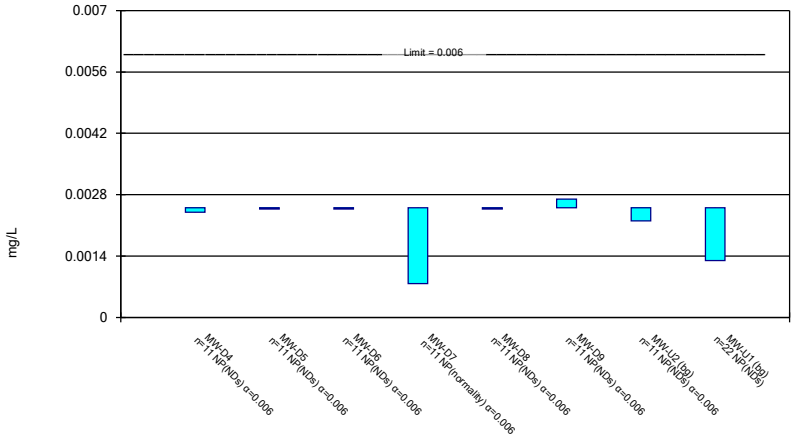
Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Cobalt Analysis Run 7/2/2024 11:02 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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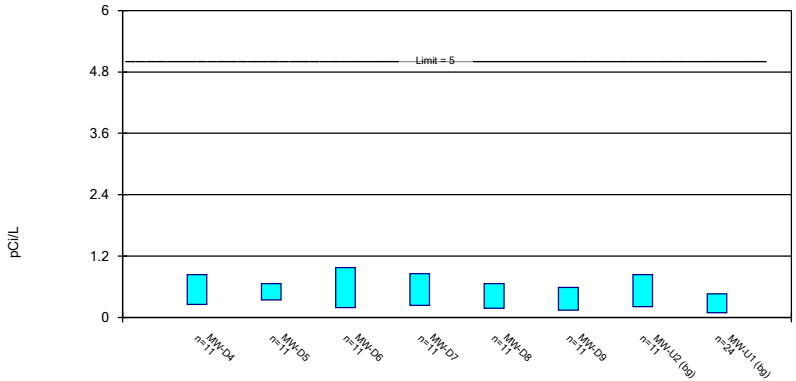
Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

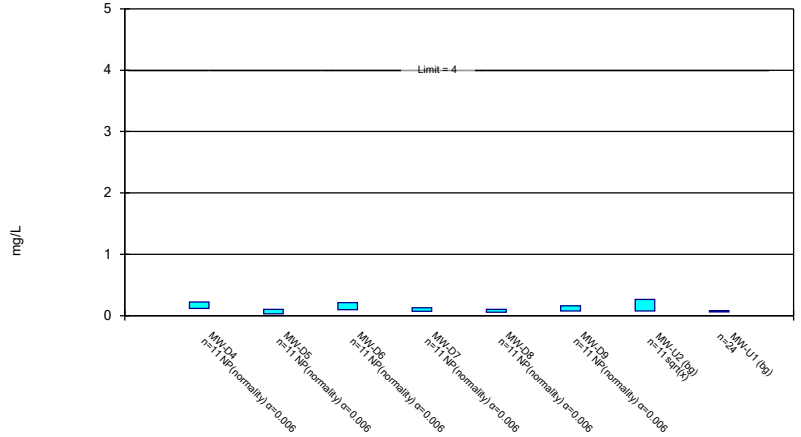


Constituent: Combined Radium 226 + 228 Analysis Run 7/2/2024 11:02 AM View: Sanitas through Octobe

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 7/2/2024 11:02 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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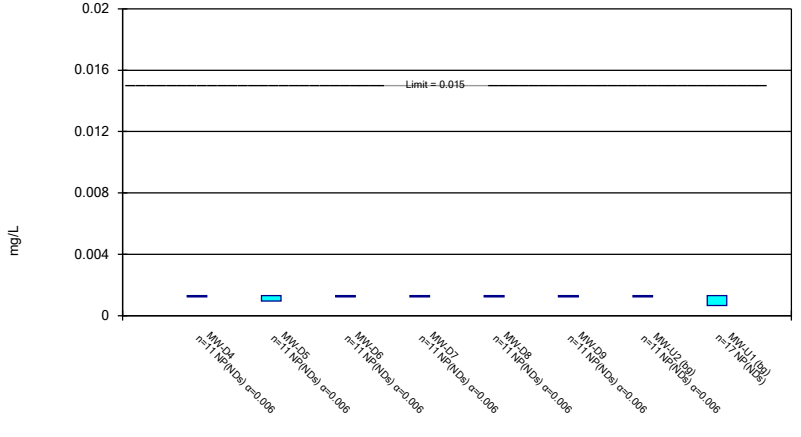
Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Lead Analysis Run 7/2/2024 11:02 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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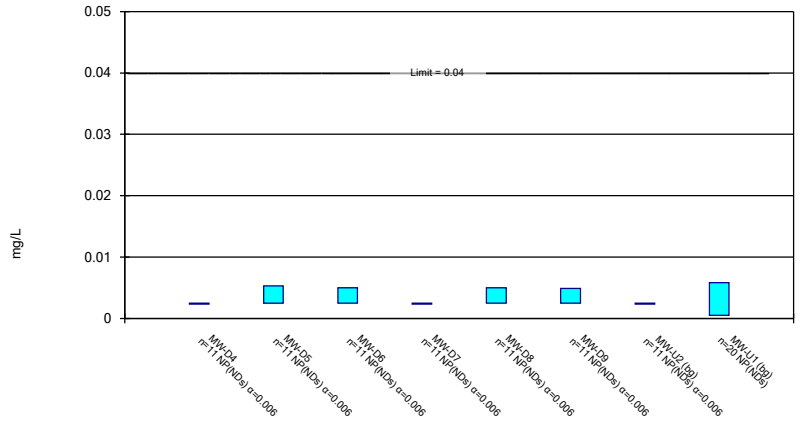
Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

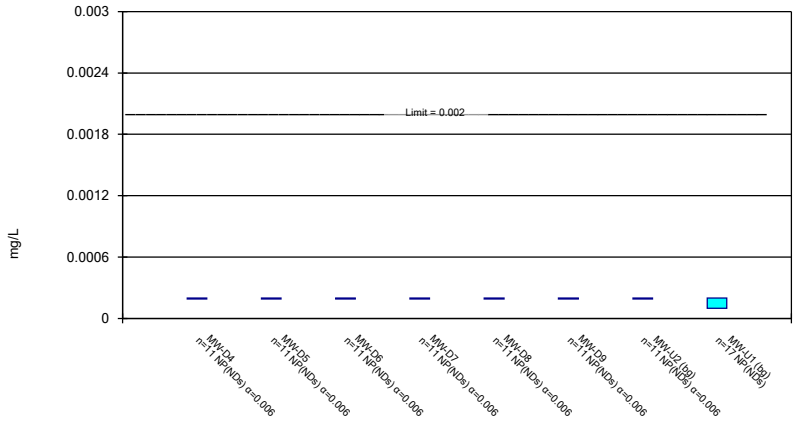


Constituent: Lithium Analysis Run 7/2/2024 11:02 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Sanitas™ v.9.6.32 Software licensed to Geosyntec Consultants. UG

Non-Parametric Confidence Interval

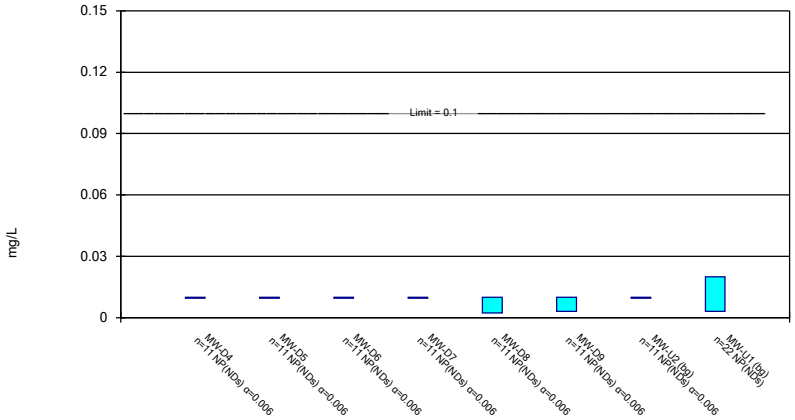
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Mercury Analysis Run 7/2/2024 11:02 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

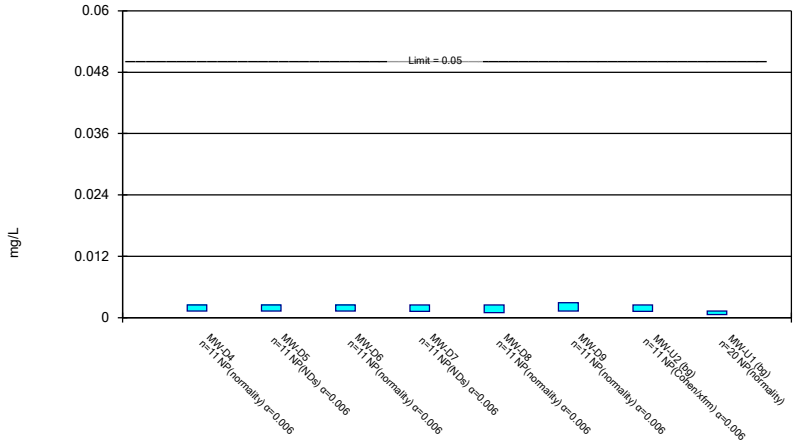


Constituent: Molybdenum Analysis Run 7/2/2024 11:02 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

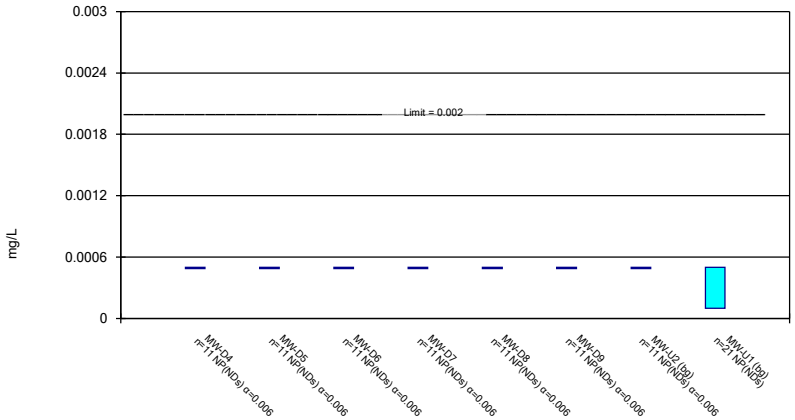


Constituent: Selenium Analysis Run 7/2/2024 11:02 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Thallium Analysis Run 7/2/2024 11:02 AM View: Sanitas through October 2023

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

Confidence Interval

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input Printed 7/2/2024, 11:05 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-D4	0.0025	0.0025	0.006	No	11	0.002538	90.91	None	No	0.006	NP (NDs)
Antimony (mg/L)	MW-D5	0.0025	0.0025	0.006	No	11	0.002727	100	None	No	0.006	NP (NDs)
Antimony (mg/L)	MW-D6	0.0025	0.0025	0.006	No	11	0.002727	100	None	No	0.006	NP (NDs)
Antimony (mg/L)	MW-D7	0.0025	0.0025	0.006	No	11	0.002727	100	None	No	0.006	NP (NDs)
Antimony (mg/L)	MW-D8	0.0025	0.0025	0.006	No	11	0.002727	100	None	No	0.006	NP (NDs)
Antimony (mg/L)	MW-D9	0.0025	0.0025	0.006	No	11	0.002727	100	None	No	0.006	NP (NDs)
Antimony (mg/L)	MW-U2 (bg)	0.0025	0.0025	0.006	No	11	0.002727	100	None	No	0.006	NP (NDs)
Antimony (mg/L)	MW-U1 (bg)	0.0025	0.0005	0.006	No	17	0.002382	100	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-D4	0.0013	0.0013	0.01	No	11	0.001409	100	None	No	0.006	NP (NDs)
Arsenic (mg/L)	MW-D5	0.0013	0.0013	0.01	No	11	0.001409	100	None	No	0.006	NP (NDs)
Arsenic (mg/L)	MW-D6	0.0013	0.0013	0.01	No	11	0.001409	100	None	No	0.006	NP (NDs)
Arsenic (mg/L)	MW-D7	0.0013	0.0013	0.01	No	11	0.001409	100	None	No	0.006	NP (NDs)
Arsenic (mg/L)	MW-D8	0.0013	0.0013	0.01	No	11	0.001409	100	None	No	0.006	NP (NDs)
Arsenic (mg/L)	MW-D9	0.0015	0.0013	0.01	No	11	0.001414	54.55	None	No	0.006	NP (normality)
Arsenic (mg/L)	MW-U2 (bg)	0.0013	0.0013	0.01	No	11	0.001409	100	None	No	0.006	NP (NDs)
Arsenic (mg/L)	MW-U1 (bg)	0.0019	0.0013	0.01	No	23	0.001292	82.61	None	No	0.01	NP (NDs)
Barium (mg/L)	MW-D4	0.03325	0.02184	2	No	11	0.02755	0	None	No	0.01	Param.
Barium (mg/L)	MW-D5	0.032	0.025	2	No	11	0.03136	0	None	No	0.006	NP (normality)
Barium (mg/L)	MW-D6	0.01055	0.008382	2	No	11	0.009464	0	None	No	0.01	Param.
Barium (mg/L)	MW-D7	0.1099	0.0776	2	No	11	0.09436	0	None	ln(x)	0.01	Param.
Barium (mg/L)	MW-D8	0.05796	0.0515	2	No	11	0.05473	0	None	No	0.01	Param.
Barium (mg/L)	MW-D9	0.04619	0.03854	2	No	11	0.04236	0	None	No	0.01	Param.
Barium (mg/L)	MW-U2 (bg)	0.02455	0.01012	2	No	11	0.01774	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	MW-U1 (bg)	0.0026	0.0021	2	No	24	0.002629	0	None	No	0.01	NP (normality)
Beryllium (mg/L)	MW-D4	0.002	0.002	0.004	No	11	0.002182	100	None	No	0.006	NP (NDs)
Beryllium (mg/L)	MW-D5	0.002	0.002	0.004	No	11	0.002025	90.91	None	No	0.006	NP (NDs)
Beryllium (mg/L)	MW-D6	0.002	0.002	0.004	No	11	0.002182	100	None	No	0.006	NP (NDs)
Beryllium (mg/L)	MW-D7	0.002	0.002	0.004	No	11	0.002182	100	None	No	0.006	NP (NDs)
Beryllium (mg/L)	MW-D8	0.002	0.002	0.004	No	11	0.002182	100	None	No	0.006	NP (NDs)
Beryllium (mg/L)	MW-D9	0.002	0.002	0.004	No	11	0.002182	100	None	No	0.006	NP (NDs)
Beryllium (mg/L)	MW-U2 (bg)	0.002	0.002	0.004	No	11	0.002182	100	None	No	0.006	NP (NDs)
Beryllium (mg/L)	MW-U1 (bg)	0.0025	0.0004	0.004	No	17	0.001935	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-D4	0.001	0.001	0.005	No	11	0.001091	100	None	No	0.006	NP (NDs)
Cadmium (mg/L)	MW-D5	0.001	0.001	0.005	No	11	0.001091	100	None	No	0.006	NP (NDs)
Cadmium (mg/L)	MW-D6	0.001	0.001	0.005	No	11	0.001091	100	None	No	0.006	NP (NDs)
Cadmium (mg/L)	MW-D7	0.001	0.001	0.005	No	11	0.001078	90.91	None	No	0.006	NP (NDs)
Cadmium (mg/L)	MW-D8	0.0012	0.001	0.005	No	11	0.001109	90.91	None	No	0.006	NP (NDs)
Cadmium (mg/L)	MW-D9	0.001	0.001	0.005	No	11	0.001091	100	None	No	0.006	NP (NDs)
Cadmium (mg/L)	MW-U2 (bg)	0.002	0.001	0.005	No	11	0.001182	90.91	None	No	0.006	NP (NDs)
Cadmium (mg/L)	MW-U1 (bg)	0.0025	0.0002	0.005	No	18	0.001039	100	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-D4	0.005	0.0025	0.1	No	10	0.00352	80	None	No	0.011	NP (NDs)
Chromium (mg/L)	MW-D5	0.005	0.0025	0.1	No	10	0.00501	80	None	No	0.011	NP (NDs)
Chromium (mg/L)	MW-D6	0.005	0.0013	0.1	No	10	0.00622	50	None	No	0.011	NP (normality)
Chromium (mg/L)	MW-D7	0.0025	0.0025	0.1	No	10	0.00262	90	None	No	0.011	NP (NDs)
Chromium (mg/L)	MW-D8	0.0025	0.0025	0.1	No	10	0.00262	80	None	No	0.011	NP (NDs)
Chromium (mg/L)	MW-D9	0.0025	0.0025	0.1	No	10	0.00263	80	None	No	0.011	NP (NDs)
Chromium (mg/L)	MW-U2 (bg)	0.005	0.0023	0.1	No	10	0.00303	70	None	No	0.011	NP (normality)
Chromium (mg/L)	MW-U1 (bg)	0.0022	0.0013	0.1	No	22	0.001932	13.64	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-D4	0.0025	0.0024	0.006	No	11	0.002543	81.82	None	No	0.006	NP (NDs)
Cobalt (mg/L)	MW-D5	0.0025	0.0025	0.006	No	11	0.002718	90.91	None	No	0.006	NP (NDs)
Cobalt (mg/L)	MW-D6	0.0025	0.0025	0.006	No	11	0.002691	90.91	None	No	0.006	NP (NDs)
Cobalt (mg/L)	MW-D7	0.0025	0.00077	0.006	No	11	0.002041	45.45	None	No	0.006	NP (normality)
Cobalt (mg/L)	MW-D8	0.0025	0.0025	0.006	No	11	0.002691	90.91	None	No	0.006	NP (NDs)
Cobalt (mg/L)	MW-D9	0.0027	0.0025	0.006	No	11	0.002539	81.82	None	No	0.006	NP (NDs)
Cobalt (mg/L)	MW-U2 (bg)	0.0025	0.0022	0.006	No	11	0.002535	81.82	None	No	0.006	NP (NDs)
Cobalt (mg/L)	MW-U1 (bg)	0.0025	0.0013	0.006	No	22	0.002264	95.45	None	No	0.01	NP (NDs)
Combined Radium 226 + ...	MW-D4	0.8366	0.2528	5	No	11	0.5447	0	None	No	0.01	Param.
Combined Radium 226 + ...	MW-D5	0.6619	0.3441	5	No	11	0.503	0	None	No	0.01	Param.
Combined Radium 226 + ...	MW-D6	0.9715	0.1892	5	No	11	0.5804	0	None	No	0.01	Param.
Combined Radium 226 + ...	MW-D7	0.8543	0.238	5	No	11	0.5461	0	None	No	0.01	Param.
Combined Radium 226 + ...	MW-D8	0.6601	0.1797	5	No	11	0.4199	0	None	No	0.01	Param.
Combined Radium 226 + ...	MW-D9	0.5838	0.1392	5	No	11	0.3615	0	None	No	0.01	Param.
Combined Radium 226 + ...	MW-U2 (bg)	0.837	0.2069	5	No	11	0.522	0	None	No	0.01	Param.
Combined Radium 226 + ...	MW-U1 (bg)	0.459	0.08954	5	No	24	0.2743	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-D4	0.22	0.12	4	No	11	0.2236	9.091	None	No	0.006	NP (normality)
Fluoride (mg/L)	MW-D5	0.1	0.029	4	No	11	0.1663	72.73	None	No	0.006	NP (normality)
Fluoride (mg/L)	MW-D6	0.21	0.097	4	No	11	0.2015	9.091	None	No	0.006	NP (normality)
Fluoride (mg/L)	MW-D7	0.13	0.071	4	No	11	0.1649	9.091	None	No	0.006	NP (normality)

Confidence Interval

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input Printed 7/2/2024, 11:05 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	MW-D8	0.1	0.054	4	No	11	0.1698	63.64	None	No	0.006	NP (normality)
Fluoride (mg/L)	MW-D9	0.16	0.077	4	No	11	0.1753	9.091	None	No	0.006	NP (normality)
Fluoride (mg/L)	MW-U2 (bg)	0.2655	0.07831	4	No	11	0.1762	0	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	MW-U1 (bg)	0.08055	0.05779	4	No	24	0.06917	12.5	None	No	0.01	Param.
Lead (mg/L)	MW-D4	0.0013	0.0013	0.015	No	11	0.001409	100	None	No	0.006	NP (NDs)
Lead (mg/L)	MW-D5	0.0013	0.00095	0.015	No	11	0.001295	81.82	None	No	0.006	NP (NDs)
Lead (mg/L)	MW-D6	0.0013	0.0013	0.015	No	11	0.001409	100	None	No	0.006	NP (NDs)
Lead (mg/L)	MW-D7	0.0013	0.0013	0.015	No	11	0.001409	100	None	No	0.006	NP (NDs)
Lead (mg/L)	MW-D8	0.0013	0.0013	0.015	No	11	0.001409	100	None	No	0.006	NP (NDs)
Lead (mg/L)	MW-D9	0.0013	0.0013	0.015	No	11	0.001409	100	None	No	0.006	NP (NDs)
Lead (mg/L)	MW-U2 (bg)	0.0013	0.0013	0.015	No	11	0.001409	100	None	No	0.006	NP (NDs)
Lead (mg/L)	MW-U1 (bg)	0.0013	0.00065	0.015	No	17	0.0012	94.12	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-D4	0.0025	0.0025	0.04	No	11	0.002727	100	None	No	0.006	NP (NDs)
Lithium (mg/L)	MW-D5	0.0053	0.0025	0.04	No	11	0.003364	81.82	None	No	0.006	NP (NDs)
Lithium (mg/L)	MW-D6	0.005	0.0025	0.04	No	11	0.003009	90.91	None	No	0.006	NP (NDs)
Lithium (mg/L)	MW-D7	0.0025	0.0025	0.04	No	11	0.002727	100	None	No	0.006	NP (NDs)
Lithium (mg/L)	MW-D8	0.005	0.0025	0.04	No	11	0.002955	100	None	No	0.006	NP (NDs)
Lithium (mg/L)	MW-D9	0.0049	0.0025	0.04	No	11	0.002945	90.91	None	No	0.006	NP (NDs)
Lithium (mg/L)	MW-U2 (bg)	0.0025	0.0025	0.04	No	11	0.002727	100	None	No	0.006	NP (NDs)
Lithium (mg/L)	MW-U1 (bg)	0.0058	0.0005	0.04	No	20	0.002457	90	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-D4	0.0002	0.0002	0.002	No	11	0.0002	100	None	No	0.006	NP (NDs)
Mercury (mg/L)	MW-D5	0.0002	0.0002	0.002	No	11	0.0002	100	None	No	0.006	NP (NDs)
Mercury (mg/L)	MW-D6	0.0002	0.0002	0.002	No	11	0.0002	100	None	No	0.006	NP (NDs)
Mercury (mg/L)	MW-D7	0.0002	0.0002	0.002	No	11	0.0002	100	None	No	0.006	NP (NDs)
Mercury (mg/L)	MW-D8	0.0002	0.0002	0.002	No	11	0.000...	90.91	None	No	0.006	NP (NDs)
Mercury (mg/L)	MW-D9	0.0002	0.0002	0.002	No	11	0.000...	81.82	None	No	0.006	NP (NDs)
Mercury (mg/L)	MW-U2 (bg)	0.0002	0.0002	0.002	No	11	0.000...	90.91	None	No	0.006	NP (NDs)
Mercury (mg/L)	MW-U1 (bg)	0.0002	0.000099	0.002	No	17	0.000...	94.12	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-D4	0.01	0.01	0.1	No	11	0.01035	90.91	None	No	0.006	NP (NDs)
Molybdenum (mg/L)	MW-D5	0.01	0.01	0.1	No	11	0.01025	90.91	None	No	0.006	NP (NDs)
Molybdenum (mg/L)	MW-D6	0.01	0.01	0.1	No	11	0.01025	90.91	None	No	0.006	NP (NDs)
Molybdenum (mg/L)	MW-D7	0.01	0.01	0.1	No	11	0.01028	90.91	None	No	0.006	NP (NDs)
Molybdenum (mg/L)	MW-D8	0.01	0.0022	0.1	No	11	0.009333	81.82	None	No	0.006	NP (NDs)
Molybdenum (mg/L)	MW-D9	0.01	0.0031	0.1	No	11	0.009582	81.82	None	No	0.006	NP (NDs)
Molybdenum (mg/L)	MW-U2 (bg)	0.01	0.01	0.1	No	11	0.0103	90.91	None	No	0.006	NP (NDs)
Molybdenum (mg/L)	MW-U1 (bg)	0.02	0.003	0.1	No	22	0.009368	95.45	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-D4	0.0025	0.0013	0.05	No	11	0.001636	72.73	None	No	0.006	NP (normality)
Selenium (mg/L)	MW-D5	0.0025	0.0013	0.05	No	11	0.001545	81.82	None	No	0.006	NP (NDs)
Selenium (mg/L)	MW-D6	0.0025	0.0013	0.05	No	11	0.001673	72.73	None	No	0.006	NP (normality)
Selenium (mg/L)	MW-D7	0.0025	0.0012	0.05	No	11	0.001591	81.82	None	No	0.006	NP (NDs)
Selenium (mg/L)	MW-D8	0.0025	0.001	0.05	No	11	0.001762	72.73	None	No	0.006	NP (normality)
Selenium (mg/L)	MW-D9	0.0029	0.0013	0.05	No	11	0.001749	72.73	None	No	0.006	NP (normality)
Selenium (mg/L)	MW-U2 (bg)	0.0025	0.0012	0.05	No	11	0.001636	36.36	None	No	0.006	NP (Cohens/xfrm)
Selenium (mg/L)	MW-U1 (bg)	0.0013	0.00062	0.05	No	20	0.001049	65	None	No	0.01	NP (normality)
Thallium (mg/L)	MW-D4	0.0005	0.0005	0.002	No	11	0.000...	100	None	No	0.006	NP (NDs)
Thallium (mg/L)	MW-D5	0.0005	0.0005	0.002	No	11	0.000...	100	None	No	0.006	NP (NDs)
Thallium (mg/L)	MW-D6	0.0005	0.0005	0.002	No	11	0.000...	100	None	No	0.006	NP (NDs)
Thallium (mg/L)	MW-D7	0.0005	0.0005	0.002	No	11	0.000...	100	None	No	0.006	NP (NDs)
Thallium (mg/L)	MW-D8	0.0005	0.0005	0.002	No	11	0.000...	100	None	No	0.006	NP (NDs)
Thallium (mg/L)	MW-D9	0.0005	0.0005	0.002	No	11	0.000...	100	None	No	0.006	NP (NDs)
Thallium (mg/L)	MW-U2 (bg)	0.0005	0.0005	0.002	No	11	0.000...	100	None	No	0.006	NP (NDs)
Thallium (mg/L)	MW-U1 (bg)	0.0005	0.0001	0.002	No	21	0.000481	100	None	No	0.01	NP (NDs)

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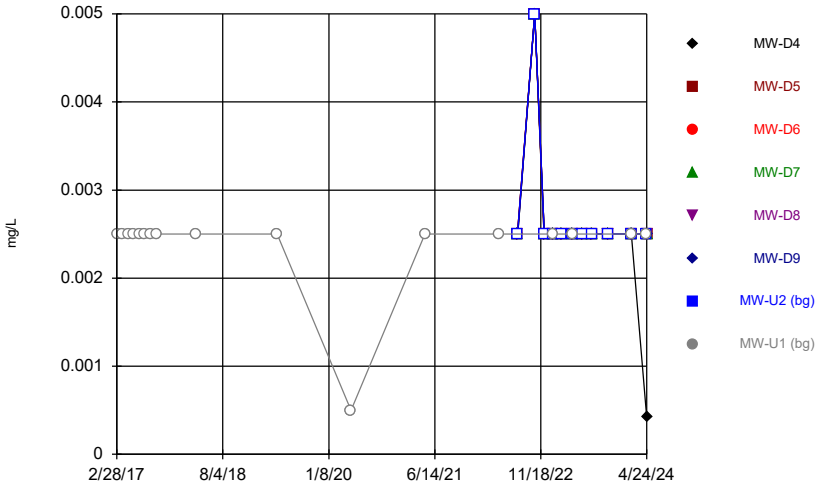
Hollow symbols indicate censored values.

Time Series



Constituent: Antimony Analysis Run 7/2/2024 11:06 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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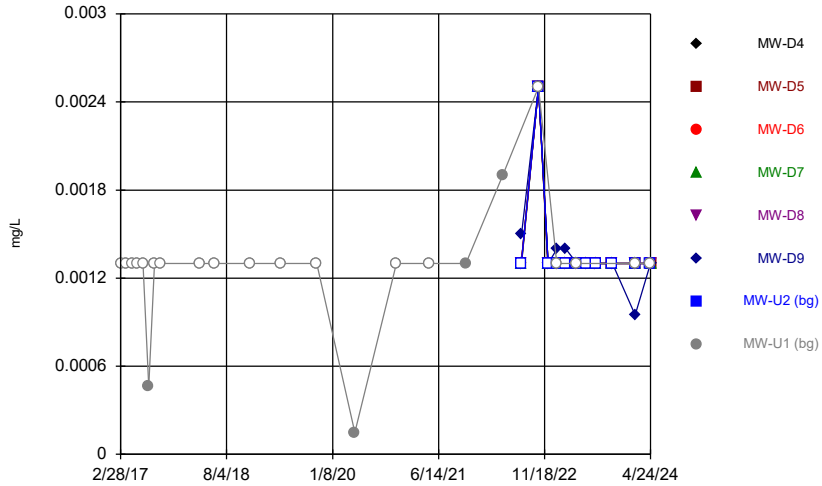
Time Series



Constituent: Arsenic Analysis Run 7/2/2024 11:06 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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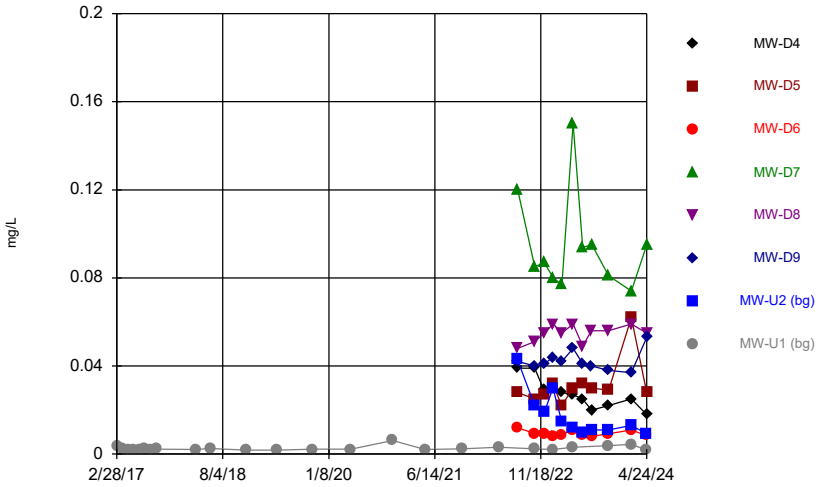
Time Series



Constituent: Barium Analysis Run 7/2/2024 11:06 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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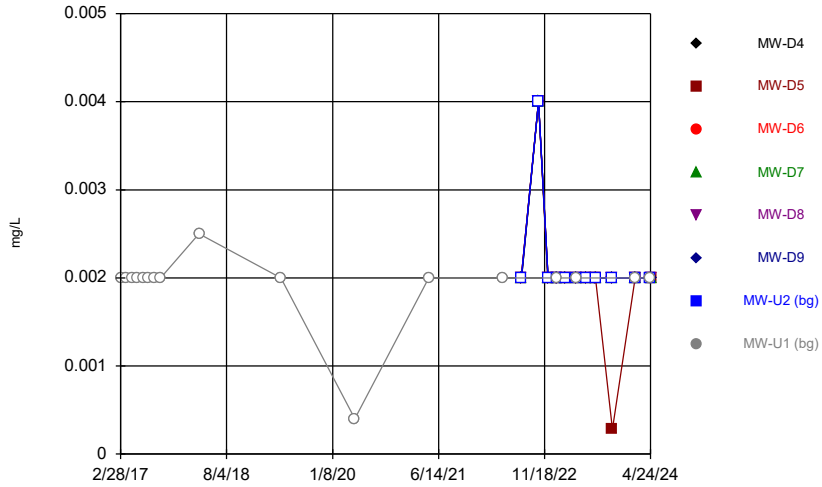
Time Series



Constituent: Beryllium Analysis Run 7/2/2024 11:06 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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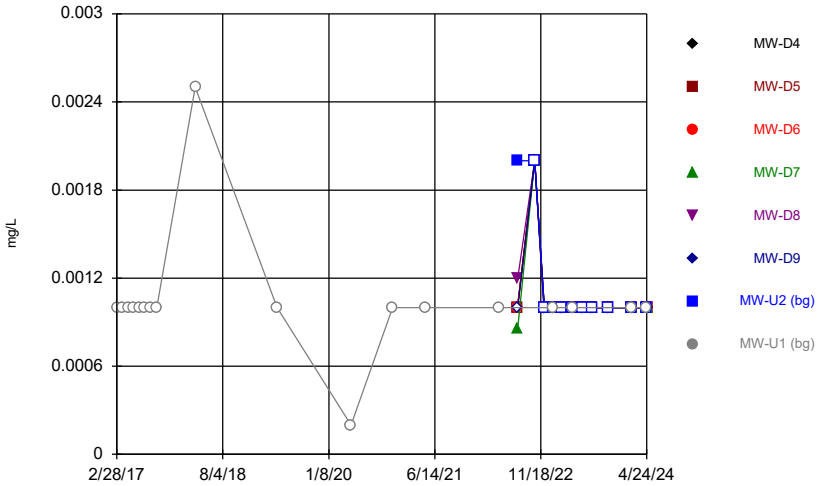
Time Series



Constituent: Cadmium Analysis Run 7/2/2024 11:06 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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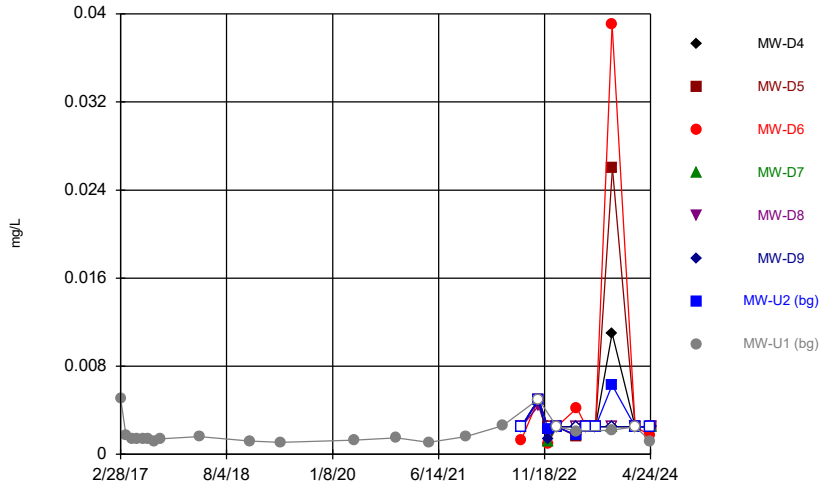
Hollow symbols indicate censored values.

Time Series



Constituent: Chromium Analysis Run 7/2/2024 11:06 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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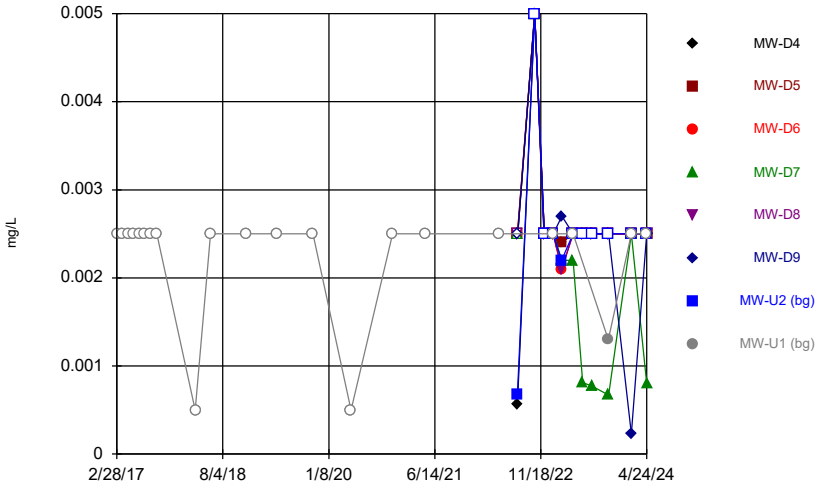
Hollow symbols indicate censored values.

Time Series



Constituent: Cobalt Analysis Run 7/2/2024 11:06 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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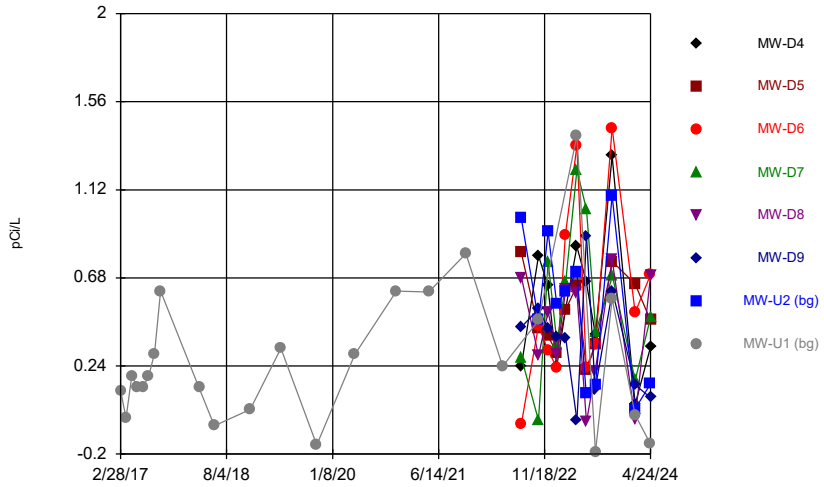
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 7/2/2024 11:06 AM View: Sanitas through Octobe
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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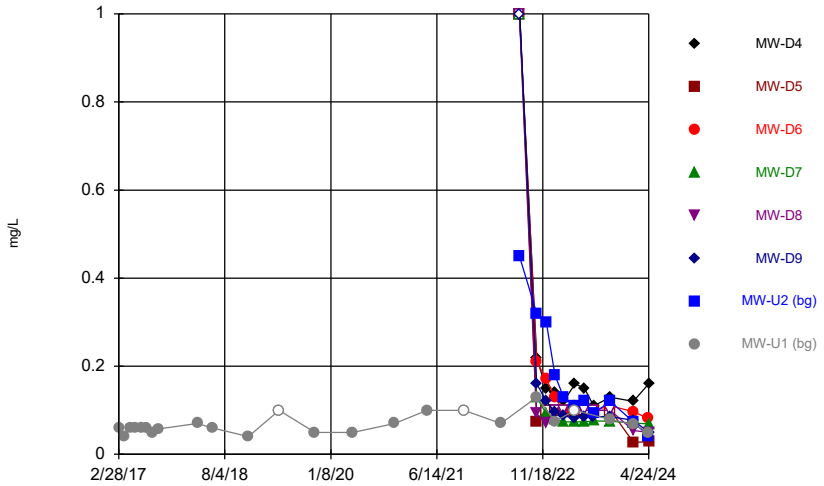
Hollow symbols indicate censored values.

Time Series



Constituent: Fluoride Analysis Run 7/2/2024 11:06 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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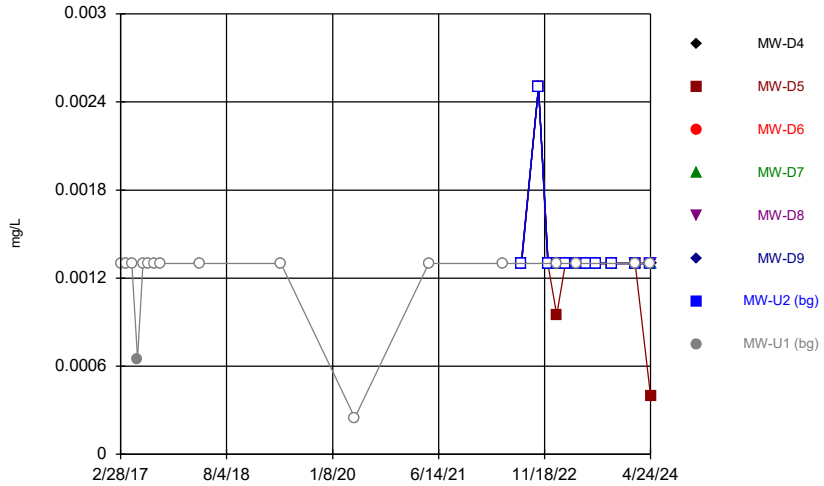
Hollow symbols indicate censored values.

Time Series



Constituent: Lead Analysis Run 7/2/2024 11:06 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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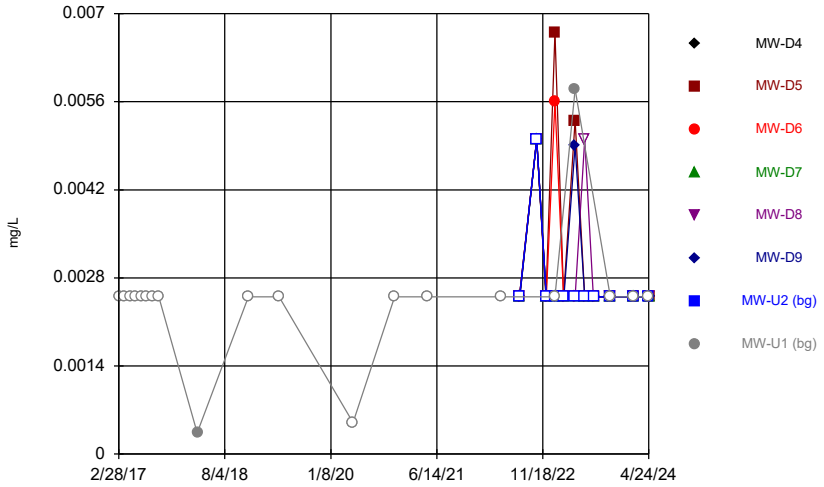
Hollow symbols indicate censored values.

Time Series



Constituent: Lithium Analysis Run 7/2/2024 11:06 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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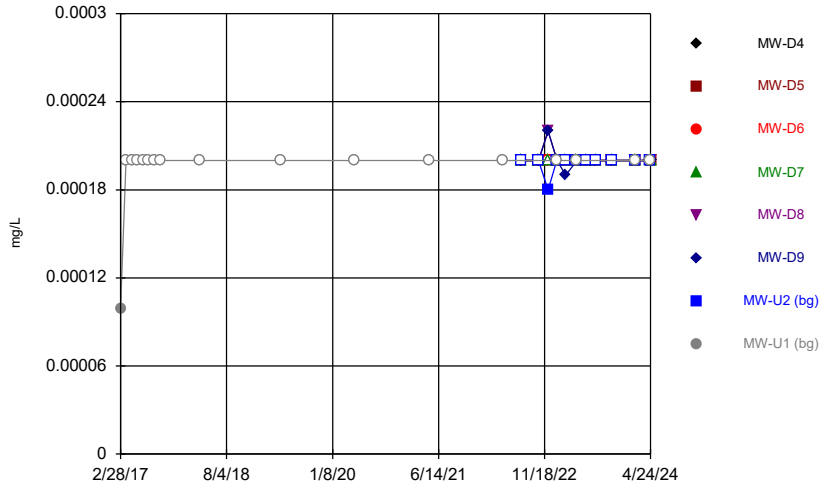
Hollow symbols indicate censored values.

Time Series



Constituent: Mercury Analysis Run 7/2/2024 11:06 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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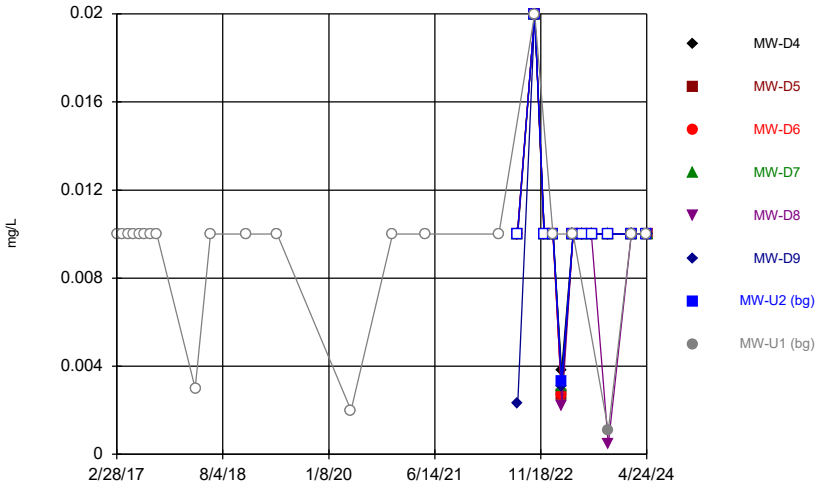
Hollow symbols indicate censored values.

Time Series



Constituent: Molybdenum Analysis Run 7/2/2024 11:06 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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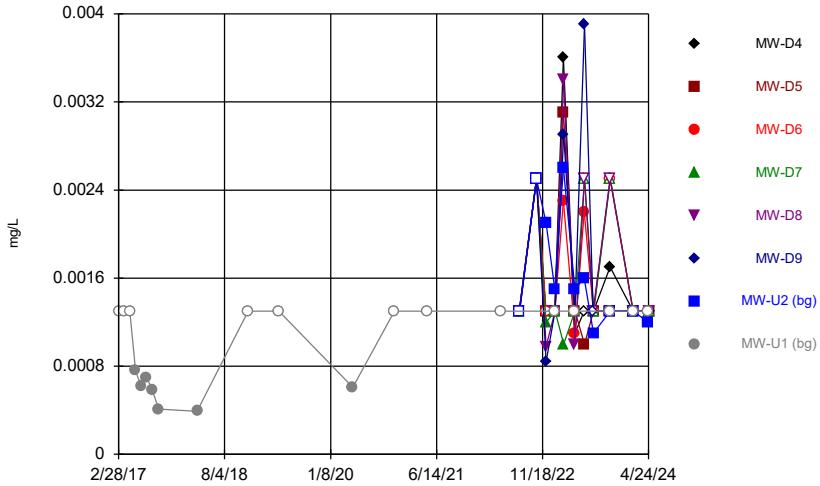
Hollow symbols indicate censored values.

Time Series



Constituent: Selenium Analysis Run 7/2/2024 11:06 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input

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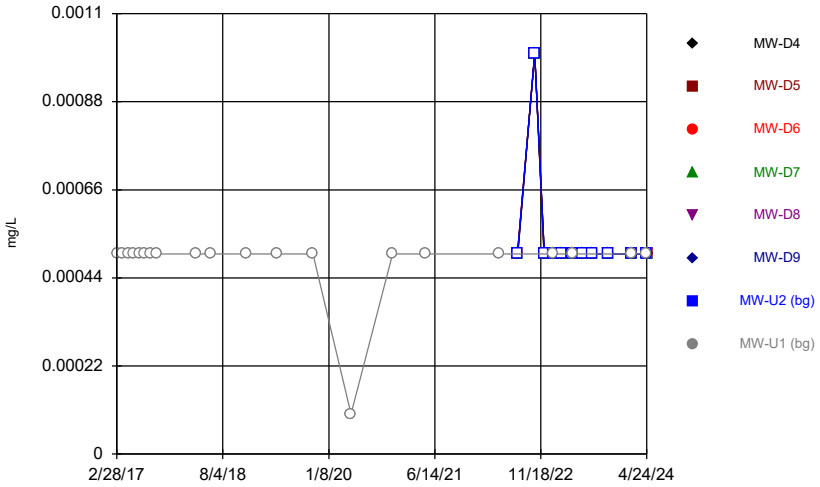
Hollow symbols indicate censored values.

Time Series



Constituent: Thallium Analysis Run 7/2/2024 11:06 AM View: Sanitas through October 2023
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas Input