

Prepared for



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

2025 ANNUAL GROUNDWATER MONITORING REPORT

**CRISP COUNTY POWER COMMISSION
PLANT CRISP FORMER ASH POND
Warwick, Georgia**

Prepared by

Geosyntec 
consultants

engineers | scientists | innovators

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January 2026

CERTIFICATION BY QUALIFIED PROFESSIONAL ENGINEER

I certify that this Annual Groundwater Monitoring Report was prepared by me or under my direct supervision and 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 Annual Groundwater Monitoring Report includes statistical methods and narrative description appropriate for evaluating the groundwater monitoring data for the CCR management area.

MEHMET ISCIMEN

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01/28/2026

Stamp/Signature/Date

CERTIFICATION BY QUALIFIED GROUNDWATER SCIENTIST

I certify that this 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 Annual Groundwater Monitoring Report includes statistical methods and narrative description appropriate for evaluating the groundwater monitoring data for the CCR management area.

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A handwritten signature in blue ink that reads "Dawit D. Yifru".

01/28/2026

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LIST OF ACRONYMS AND ABBREVIATIONS

CCPC	Crisp County Power Commission
CCR	Coal Combustion Residuals
C.F.R.	Code of Federal Regulations
cm/sec	Centimeters per Second
DNR	Department of Natural Resources
DO	Dissolved Oxygen
ft/day	Feet per Day
ft/ft	Feet per Foot
ft/year	Feet per Year
GA EPD	Georgia Environmental Protection Division
GWPS	Groundwater Protection Standard
K _h	Horizontal Hydraulic Conductivity
LSADS	Laboratory Services and Applied Science Division
MCL	Maximum Contaminant Level
mg/L	Milligram per Liter
MW	Megawatt
NTU	Nephelometric Turbidity Units
ORP	Oxidation Reduction Potential
PE	Professional Engineer
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
Unified Guidance	Statistical Analysis of Groundwater Data at RCRA Facilities Unified Guidance
USEPA	United States Environmental Protection Agency
UTL	Upper Tolerance Limit

EXECUTIVE SUMMARY

Crisp County Power Commission (CCPC) has been monitoring the groundwater quality at the Plant Crisp former Ash Pond (former ash pond) in accordance with the United States Environmental Protection Agency (USEPA) Coal Combustion Residuals (CCR) Rule [40 Code of Federal Regulations (C.F.R.) Part 257, Subpart D] and the Georgia Environmental Protection Division (GA EPD) Rule for CCR (391-3-4-.10). The timeline and status of the monitoring program and the relevant findings and conclusions derived for this reporting period (January through December 2025) are summarized as follows.

- In compliance with 40 C.F.R. §257.94, a groundwater detection monitoring program was conducted between February and September 2017.
- In compliance with 40 C.F.R. §257.95(a), CCPC initiated an assessment monitoring program in March 2018. The former ash pond has been monitored under the assessment monitoring program from March 2018 through the current reporting period.
- Pursuant to 40 C.F.R. §257.95 and GA EPD Rule 391-3-4-.10(6), Statistically Significant Increases (SSIs) above background levels were identified for the Appendix III¹ constituents set forth below where concentrations of Appendix III constituents in the downgradient monitoring wells were statistically higher than the concentrations of background wells. No values exceeded regulatory levels or maximum contaminant levels. No Statistically Significant Levels (SSLs) above the Groundwater Protection Standards were identified for Appendix IV² constituents during the reporting period. A summary of SSIs of Appendix III and SSLs of Appendix IV parameters is provided in the table below³.

Appendix III Parameters	April 2025	October 2025
<i>Calcium</i>	<i>MW-D1, MW-D2, MW-D3</i>	<i>MW-D1, MW-D2, MW-D3</i>
<i>Fluoride</i>	<i>MW-D1, MW-D3</i>	<i>MW-D3</i>
<i>Sulfate</i>	<i>MW-D1, MW-D2, MW-D3</i>	<i>MW-D1, MW-D2, MW-D3</i>
<i>Total Dissolved Solids (TDS)</i>	<i>MW-D1, MW-D2, MW-D3</i>	<i>MW-D1, MW-D2, MW-D3</i>
Appendix IV Parameters⁴	<i>No SSLs</i>	<i>No SSLs</i>

¹ Boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids (TDS)

² Antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, fluoride, lead, lithium, mercury, molybdenum, selenium, thallium, and radium 226 + 228

³ Concentration of select detected constituents were below their laboratory reporting limit (i.e., values shown with “J” flag represent approximate concentrations) as shown in Tables 4 through 7.

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

CCR removal from the former ash pond has been completed in 2023. Because CCPC's CCR Handling Permit #159-007D(CCR) requires groundwater monitoring for no less than five years after removal of the CCR, CCPC has been implementing groundwater sampling semi-annually for Appendix III and Appendix IV constituents pursuant to the CCR Rule 40 C.F.R. §257.95(d)(1), 257.95(e), and GA EPD's CCR Rules, as applicable. However, because no GWPS exceedances were measured during the past 25 monitoring events, CCPC intends to consult with Georgia EPD about terminating groundwater monitoring at the former ash pond site.

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 2025 Annual Groundwater Monitoring Report for the former ash pond located at CCPC's Plant Crisp (the Site). Plant Crisp is located in Warwick, Georgia, on the southern end of Lake Blackshear (**Figure 1**). CCPC installed a groundwater monitoring well network in February 2017 in compliance with the requirements of the 40 Code of Federal Regulations (C.F.R.) §257.91 and Section 391-3-4-.10(6) of the Georgia Environmental Protection Division (GA EPD) Coal Combustion Residuals (CCR) Rule.

A groundwater detection monitoring program was conducted between February and September 2017 in compliance with the requirements of the 40 C.F.R. §257.94. The first Annual Groundwater Monitoring Report summarizing the results of detection groundwater monitoring activities was prepared in January 2018 [Geosyntec, 2018]. Based on the detection monitoring results and in compliance with 40 C.F.R. §257.95(a), CCPC initiated an assessment monitoring program for the former ash pond in March 2018. The assessment monitoring continued in 2025 by performing semi-annual monitoring events in April 2025 and October 2025. The April 2025 assessment monitoring event was performed for constituents listed in Appendix III to part §257 (referred herein as Appendix III constituents) and Appendix IV to part §257 (referred herein as Appendix IV constituents) (40 C.F.R. §257.95(b)). The October 2025 semi-annual assessment monitoring event was performed for all parameters in Appendix III to part §257 and for those constituents in Appendix IV that were detected during the April 2025 monitoring (40 C.F.R. §257.95(d)(1)). The groundwater monitoring and statistical analyses were performed consistent with the Groundwater Monitoring and Statistical Analysis Plan for the former ash pond, initially prepared in October 2017 and later revised in April 2020.

The purpose of this report is to present a summary of the April 2025 and October 2025 groundwater assessment monitoring activities and associated laboratory and statistical analysis results. The report has been prepared to meet the annual reporting requirements

of 40 C.F.R. §257.90(e) and semi-annual reporting requirements of GA EPD CCR Rule 391-3-4-.10(6)(c)⁵.

In summary, the April 2025 and October 2025 sampling events detected concentrations of 40 C.F.R. §257, Appendix IV constituents but all concentrations were below their respective United States Environmental Protection Agency's (USEPA's) maximum contaminant levels (MCLs) (Appendix I to 40 C.F.R. §257)⁶ or groundwater protection standard (GWPS), if MCL is not available for the constituent.

1.2 Site History

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

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

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.

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.

CCR Rule 391-3-4-.10 and other GA EPD regulations as applicable. GA EPD issued a permit on August 17, 2020.

The former ash pond closure construction started in 2021 and was completed in 2023, including CCR removal and final site restoration activities. Closure Construction certification reports from a third-party Professional Engineer have been completed and reviewed by EPD in 2024 and 2025. In addition, on 24 January 2025, GA EPD completed their review of a Major Modification application to the Solid Waste Handling Permit 159-007D (CCR) and issued approval.

1.3 Geologic and Hydrogeologic Setting

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

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

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

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

1.4 Groundwater Monitoring Well Network

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

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

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 in April 2025 and in October 2025. The groundwater samples were collected in accordance with the USEPA Laboratory Services & Applied Science Division (LSASD, Athens, Georgia) Operating Procedure (LSASDPROC-301-R6) [USEPA, Athens, Georgia, 2023].

Prior to sampling, depth to groundwater and total well depth were measured for each monitoring well using an electrical water level indicator. The water level indicator was cleaned between wells following the decontamination procedure listed under SESDPROC-205-R3 [USEPA, Athens, Georgia, 2015]. Depth to groundwater data and groundwater elevations are summarized in **Table 2**⁷. The groundwater elevation data were used to prepare the April 2025 and October 2025 potentiometric surface maps. These maps are provided as **Figure 2** and **Figure 3**, respectively. Based on the April and October 2025 potentiometric surface maps, groundwater flow direction is from southeast towards northwest with a hydraulic gradient of approximately 0.012 feet per foot (ft/ft) and 0.013 ft/ft, respectively (**Table 3**). The average horizontal groundwater flow velocity was calculated using Darcy's equation as approximately 9 feet per year (ft/year) (**Table 3**).

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

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

- pH \pm 0.1 Standard Units (SU);
- Conductivity \pm 5%;
- Turbidity measured less than 10 nephelometric turbidity units (NTU);
- Other parameters used are dissolved oxygen \pm 0.2 milligrams per liter (mg/L) or \pm 10% change in saturation, whichever is greater and ORP (reasonable ORP stability goal is \pm 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 April 2025 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. The October 2025 groundwater samples were analyzed for Appendix III constituents and the Appendix IV constituents that were detected during the April 2025 monitoring event (i.e., barium, cadmium, chromium, fluoride, lithium, molybdenum, and radium 226 and 228 combined). Groundwater pH, also an Appendix III constituent, was measured in the field using a Horiba water quality meter.

Field duplicate samples (DUP-24 in April 2025 and DUP-25 in October 2025) were collected for quality assurance/quality control (QA/QC). DUP-24 and DUP-25 were collected from monitoring wells MW-D3 and MW-D1, respectively. The duplicate samples were collected in laboratory-provided bottles and submitted under the same chain-of-custody as the primary samples for analysis of the same parameters by Eurofins Environment Testing. Results from the duplicate samples were presented in **Tables 4** through **Table 7**. Field sampling quality control samples (field blank and equipment blank) were collected during the April and October 2025 monitoring events.

2.2 April 2025 Groundwater Monitoring Results

Laboratory analytical results for Appendix III constituents from the April 2025 monitoring event are summarized in **Table 4**. Appendix III constituents were detected in the upgradient and downgradient monitoring well locations.

Laboratory analytical results for Appendix IV constituents are summarized in **Table 5**. Low levels of Appendix IV constituents (barium, cadmium, fluoride, lithium, molybdenum, and radium 226 and 228 combined) were detected in the downgradient monitoring wells. Similarly, low levels of barium, chromium, and fluoride were detected in the background/upgradient monitoring well MW-U1. **Table 5** shows that the detected concentrations of Appendix IV constituents are below their respective USEPA's MCLs or groundwater protection standards (GWPS). Low level Appendix IV constituents detected during the April 2025 monitoring event can be naturally occurring as some of these constituents were also detected at low concentrations in the background well. Laboratory reports are included in **Appendix B**.

2.3 October 2025 Groundwater Monitoring Results

Laboratory analytical results of Appendix III constituents from the October 2025 groundwater assessment monitoring event are summarized in **Table 6**. Appendix III constituents were detected in the downgradient and upgradient monitoring well locations.

Laboratory analytical results of Appendix IV constituents from the October 2025 groundwater assessment monitoring event are summarized in **Table 7**. Low levels of Appendix IV constituents (barium, cadmium, chromium, fluoride, molybdenum, and radium 226 and 228 combined) were detected in the downgradient monitoring wells but below groundwater protection standard or MCL levels; with detected chromium concentrations were approximate (i.e., shown with "J" flag). Similarly, low levels of barium, chromium, and fluoride were detected in the background/upgradient monitoring well MW-U1. **Table 7** shows that the detected concentrations of Appendix IV constituents are below their respective USEPA's MCLs or GWPS. Low level Appendix IV constituents detected during the October 2025 monitoring event can be naturally occurring as some of these constituents were also detected at low concentrations in the background well. The October 2025 laboratory reports are provided in **Appendix B**. Results of the field sampling quality control samples (field blank and equipment blank) are also provided in **Appendix B**.

The April and October 2025 assessment monitoring results were statistically evaluated in accordance with 40 C.F.R. §257.93(g). The statistical analysis results are discussed in Section 3.

3.0 STATISTICAL DATA ANALYSIS PROCEDURES

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

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

- (i) To assess if Appendix III constituents have returned to background levels.
- (ii) To calculate statistically derived background concentration for each Appendix IV constituent: The statistically derived background concentration is used as GWPS when the statistically derived background concentration is higher than the MCL (if an MCL has been established under 40 C.F.R. §161.62 and §141.66) or the standard listed under 40 C.F.R. §257.95 (h)(2) for those constituents without an established MCL.
- (iii) To construct a lower confidence interval for each Appendix IV constituent at each downgradient well and compare the lower confidence interval to an established GWPS and determine whether a statistically significant level (SSL) is present at any of the downgradient monitoring wells.

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

3.1 Appendix III Statistical Methods

Based on guidance from GA EPD, statistical tests used to evaluate the groundwater monitoring data consist of interwell prediction limits (PLs). Interwell PLs pool upgradient well data to establish a background limit for an individual constituent, and the most recent sample from each downgradient well is compared to the background limit to

assess whether there are significant statistical increases (SSIs). An "initial exceedance" occurs when an Appendix III constituent reported in the groundwater of a downgradient compliance monitoring well exceeds the constituent's associated PL.

3.2 Appendix IV Statistical Methods

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

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

- Parametric tolerance limits (95% coverage and 95% confidence) were constructed when the background data followed a normal or transformed-normal distribution.
- Non-parametric tolerance limits were calculated for data sets with greater than 50% non-detect values, and for data sets which do not follow a normal or transformed-normal distribution.
- The UTL was calculated for each constituent using background well data collected during the eight detection monitoring events and the assessment monitoring events conducted to date.

As described in 40 C.F.R. §257.95(h), which was adopted into the GA EPD Rules for Solid Waste Management 391-3-4-.10 on February 22, 2022, the GWPS is:

- (1) the maximum contaminant level (MCL) established under 40 C.F.R. §141.62 and §141.66.
- (2) where an MCL has not been established:
 - (i) Cobalt 0.006 mg/L;
 - (ii) Lead 0.015 mg/L;
 - (iii) Lithium 0.040 mg/L; and
 - (iv) Molybdenum 0.100 mg/L.
- (3) the UTL computed from background well data for constituents where the UTL is higher than the MCL or rule-specified GWPS.

3.3 Evaluation of SSLs for Appendix IV Constituents

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

4.0 STATISTICAL ANALYSIS RESULTS

Appendix III statistical analyses results identified SSIs for the following constituents: calcium, fluoride, sulfate, and TDS during the April 2025 and October 2025 monitoring events. The PL for each constituent and the list of wells with SSIs are summarized in **Table 8**. Because Appendix III statistical analyses results indicated that groundwater conditions have not returned to background levels, 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 9**, 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 10 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 2025 reporting period. The Sanitas™ statistical calculations and time-series graphs for each constituent are provided in **Appendix C**.

In summary, Appendix IV constituents continue to remain statistically below the GWPS since monitoring began in 2017 (i.e., for 25 monitoring events). CCPC has closed the former ash pond by removal that was completed in 2023. In the July 2025 semi-annual report, CCPC stated that they plan to conduct one final round of assessment monitoring at the former ash pond wells in October 2025. The report also stated that if the October 2025 monitoring results remain below the GWPS, CCPC intends to consult with Georgia EPD about terminating groundwater monitoring at the former ash pond site.

5.0 FUTURE GROUNDWATER MONITORING PROGRAM

Data collected during the assessment monitoring events indicated that Appendix IV constituents detected in the downgradient monitoring wells were below their respective GWPS. Because CCPC's CCR Handling Permit #159-007D(CCR) requires groundwater monitoring for no less than five years after removal of the CCR, CCPC has been implementing groundwater sampling semi-annually for Appendix III and Appendix IV constituents pursuant to the CCR Rule 40 C.F.R. §257.95(d)(1), 257.95(e), and GA EPD's CCR Rules, as applicable. However, because no GWPS exceedances were measured during the past 25 monitoring events, CCPC intends to consult with Georgia EPD about terminating groundwater monitoring at the former ash pond site.

6.0 REFERENCES

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TABLES

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

Well ID	Hydraulic Location	Installation Date	Well Depth (ft BTOC)	Easting⁽¹⁾	Northing⁽¹⁾	TOC Elevation⁽²⁾ (ft MSL)	Screen Interval Elevation⁽²⁾ (ft MSL)
MW-D1	Downgradient	2/22/2017	22.9	2365315.12	670708.47	241.77	218.85 - 228.85
MW-D2	Downgradient	2/21/2017	22.6	2365308.73	671291.61	232.66	209.64 - 219.64
MW-D3	Downgradient	2/22/2017	22.7	2365715.53	671291.07	233.78	210.52 - 220.52
MW-U1	Upgradient	2/23/2017	37.4	2366420.55	669996.79	249.52	212.78 - 222.78

Notes:

ft = feet

BTOC = Below top of casing

TOC = Top of casing

MSL = Mean sea level

The easting, northing, and TOC elevations were obtained from a revised survey performed by J.B. Faircloth & Associates, P.C. on 26 November 2019.

⁽¹⁾: The easting and northing coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet.

⁽²⁾: Elevations referenced to the North American Vertical Datum of 1988 (NAVD88).

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

Well ID	Monitoring CCR Unit	TOC Elevation (ft MSL) ⁽¹⁾	Date: 4/29/2025		Date: 10/22/2025	
			Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft MSL)	Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft MSL)
MW-D1	Ash Pond	241.77	15.62	226.15	16.45	225.32
MW-D2	Ash Pond	232.66	12.69	219.97	14.82	217.84
MW-D3	Ash Pond	233.78	6.98	226.80	8.21	225.57
MW-U1	Ash Pond	249.52	12.06	237.46	15.06	234.46
MW-D4	Secondary Ash Area	246.51	10.92	235.59	13.28	233.23
MW-D5	Secondary Ash Area	241.16	8.53	232.63	10.38	230.78
MW-D6	Secondary Ash Area	252.63	22.05	230.58	24.35	228.28
MW-D7	Secondary Ash Area	230.18	7.35	222.83	8.55	221.63
MW-D8	Secondary Ash Area	226.76	7.65	219.11	9.13	217.63
MW-D9	Secondary Ash Area	221.42	7.01	214.41	11.25	210.17
MW-U2	Secondary Ash Area	248.79	11.56	237.23	14.54	234.25
Lake Blackshear	--	--	--	236.91 ⁽²⁾	--	237.03 ⁽³⁾

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 elevation on 4/29/2025 at 12:00 PM.

⁽³⁾: Surface water elevation on 10/22/2025 at 12:00 PM.

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

Location	Hydraulic Gradient (4/29/2025)				Groundwater Flow Velocity (4/29/2025)			Hydraulic Gradient (10/22/2025)				Groundwater Flow Velocity (10/22/2025)		
	h ₁ (ft)	h ₂ (ft)	Δl (ft)	Δh/Δl (ft/ft)	K _h (ft/day)	η _e	V (ft/year) ¹	h ₁ (ft)	h ₂ (ft)	Δl (ft)	Δh/Δl (ft/ft)	K _h (ft/day)	η _e	V (ft/year) ¹
Between MW-U1 (h ₁) and MW-D9	237.46	214.41	2,075	0.011	0.41	0.20	8.3	234.46	210.17	2,075	0.012	0.41	0.20	8.8
Between MW-D4 (h ₁) and MW-D9	235.59	214.41	1,690	0.013	0.41	0.20	9.4	233.23	210.17	1,690	0.014	0.41	0.20	10.2
Between Lake Blackshear (h ₁) and MW-D3 (h ₂)	236.91	226.80	905	0.011	0.41	0.20	8.4	237.03	225.57	905	0.013	0.41	0.20	9.5
Average				0.012			8.669				0.013			9.463

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 locations, 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.

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

V = groundwater flow velocity

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

Table 4. Appendix III Analytical Data Summary - Sampling Performed on 29-30 April 2025
Crisp County Power Commission
Plant Crisp Former Ash Pond

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

Constituent	Unit	MCL ⁽¹⁾	MDL ⁽²⁾	Upgradient Well ID	Downgradient Well ID			
				MW-U1	MW-D1	MW-D2	MW-D3	
							MW-D3	DUP-24
Boron	mg/L	N/A	0.022	ND	0.073	0.12	0.12	0.13
Calcium	mg/L	N/A	0.14	38	54	130	57	60
Chloride	mg/L	N/A	1.4	1.6 J	4.8	4.4	3.5	3.3
Fluoride	mg/L	4	0.022	0.060 J	0.11	0.070 J	0.13	0.13
Sulfate	mg/L	N/A	1.4	ND	19	21	23	23
pH⁽³⁾	SU	N/A	--	7.89	7.49	6.88	7.48	7.48
Total Dissolved Solids	mg/L	N/A	5.0	110	170	360	190	180

Notes:

mg/L = milligrams per liter.

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

MCL = Maximum Contaminant Level

MDL = Method Detection Limit

S.U. = Standard Unit.

N/A = not applicable because the constituent does not have an MCL.

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

-- = not applicable

DUP-24 is a duplicate sample collected from MW-D3.

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

⁽²⁾: MDL indicates minimum detection limit, which is the minimum concentration of analyte that can be measured and reported.

⁽³⁾: The pH value was recorded at the time of sample collection in the field.

Table 5. Appendix IV Analytical Data Summary - Sampling Performed on 29-30 April 2025
Crisp County Power Commission
Plant Crisp Former Ash Pond

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

Constituent	Unit	MCL ⁽¹⁾	CCR-Rule Specified ⁽²⁾	MDL	Upgradient Well ID	Downgradient Well ID			
					MW-U1	MW-D1	MW-D2	MW-D3	
								MW-D3	DUP-24
Antimony	mg/L	0.006	N/A	0.00034	ND	ND	ND	ND	ND
Arsenic	mg/L	0.01	N/A	0.00086	ND	ND	ND	ND	ND
Barium	mg/L	2	N/A	0.00089	0.002 J	0.0095	0.1300	0.0300	0.0310
Beryllium	mg/L	0.004	N/A	0.00020	ND	ND	ND	ND	ND
Cadmium	mg/L	0.005	N/A	0.000078	ND	ND	0.000085 J	ND	ND
Chromium	mg/L	0.1 ⁽³⁾	N/A	0.0012	0.0013 J	ND	ND	ND	ND
Cobalt	mg/L	N/A	0.006	0.00022	ND	ND	ND	ND	ND
Fluoride	mg/L	4	N/A	0.022	0.06 J	0.11	0.07 J	0.13	0.13
Lead	mg/L	0.015 ⁽⁴⁾	N/A	0.00021	ND	ND	ND	ND	ND
Lithium	mg/L	N/A	0.04	0.0020	ND	0.0038	ND	0.0021 J	0.0032
Mercury	mg/L	0.002 ⁽⁵⁾	N/A	0.00008	ND	ND	ND	ND	ND
Molybdenum	mg/L	N/A	0.1	0.00086	ND	ND	ND	0.0047 J	0.0050 J
Radium 226 and 228 Combined	pCi/L	5	N/A	-- ⁽⁶⁾	0.7100 U	0.0610 U	0.3820 U	0.7120	0.0602 U
Selenium	mg/L	0.05	N/A	0.00099	ND	ND	ND	ND	ND
Thallium	mg/L	0.002	N/A	0.00026	ND	ND	ND	ND	ND

Notes:

mg/L = milligrams per liter.

pCi/L = picocuries per liter.

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

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

U = result is less than the sample detection limit.

N/A = not applicable for the constituent.

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

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

⁽³⁾: MCL value for total chromium.

⁽⁴⁾: Lead Treatment Technology Action Level is 0.015 mg/L.

⁽⁵⁾: Value for inorganic mercury.

**Table 6. Appendix III Analytical Data Summary - Sampling Performed on 22-23 October 2025
Crisp County Power Commission
Plant Crisp Former Ash Pond**

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

Constituent	Unit	MCL ⁽¹⁾	MDL ⁽²⁾	Upgradient Well ID	Downgradient Well ID			
				MW-U1	MW-D1		MW-D2	MW-D3
					MW-D1	DUP-25		
Boron	mg/L	N/A	0.0035	0.0074 J	0.061	0.065	0.12	0.12
Calcium	mg/L	N/A	0.058	36	58.0	57.0	130.0	56
Chloride	mg/L	N/A	1.4	1.9 J	5.4	4.8	4.3	4.4
Fluoride	mg/L	4	0.022	0.088 J	0.11	0.11	0.064 J	0.14
Sulfate	mg/L	N/A	1.4	2.0 J	15	16	17	15
pH⁽³⁾	SU	N/A	N/A	7.55	7.14	7.14	6.58	7.53
Total Dissolved Solids	mg/L	N/A	5.0	94	190	170	390	200

Notes:

mg/L = milligrams per liter.

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

MCL = Maximum Contaminant Level

MDL = Method Detection Limit

S.U. = Standard Unit.

N/A = not applicable because the constituent does not have an MCL.

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

DUP-25 is a duplicate sample collected from MW-D1.

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

⁽²⁾: MDL indicates minimum detection limit, which is the minimum concentration of analyte that can be measured and reported.

⁽³⁾: The pH value was recorded at the time of sample collection in the field.

Table 7. Appendix IV Analytical Data Summary - Sampling Performed on 22-23 October 2025

**Crisp County Power Commission
Plant Crisp Former Ash Pond**

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

Constituent	Unit	MCL ⁽¹⁾	CCR-Rule Specified ⁽²⁾	MDL	Upgradient Well ID	Downgradient Well ID			
					MW-U1	MW-D1		MW-D2	MW-D3
						MW-D1	DUP-25		
Barium	mg/L	2	N/A	0.00089	0.0019 J	0.012	0.012	0.120	0.031
Cadmium	mg/L	0.005	N/A	0.00007	ND	ND	ND	0.00012 J	ND
Chromium	mg/L	0.1 ⁽³⁾	N/A	0.00039	0.0014 J	0.00066 J	0.00071 J	ND	0.00073 J
Fluoride	mg/L	4	N/A	0.022	0.088 J	0.110	0.11	0.064 J	0.14
Lithium	mg/L	N/A	0.04	0.0018	ND	ND	ND	ND	ND
Molybdenum	mg/L	N/A	0.1	0.00086	ND	ND	ND	ND	0.0047
Radium 226 and 228 Combined	pCi/L	5	N/A	-- ⁽⁵⁾	0.388 U	-0.208 U	0.339 U	1.100	0.0330 U

Notes:

mg/L = milligrams per liter.

pCi/L = picocuries per liter.

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

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

U = result is less than the sample detection limit.

N/A = not applicable for the constituent.

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

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

⁽³⁾: MCL value for total chromium.

⁽⁴⁾: Lead Treatment Technology Action Level is 0.015 mg/L.

⁽⁵⁾: During the analysis of radium, background concentrations are subtracted, thus each sample have a different Minimum Detectable Concentration (MDC). The MDCs were as follows: 0.709 pCi/L for MW-U1, 0.996 pCi/L for MW-D1, 0.719 pCi/L for MW-D2, 0.814 pCi/L for MW-D3, and 0.763 pCi/L for DUP-25.

**Table 8. Evaluation of SSIs for Appendix III Constituents
Crisp County Power Commission
Plant Crisp Former Ash Pond**

Appendix III to Part 257 Constituents for Detection Monitoring	Prediction Limit¹ (April 2025 Monitoring)	Wells with SSI (April 2025 Monitoring)	Prediction Limit¹ (October 2025 Monitoring)	Wells with SSI (October 2025 Monitoring)
Boron (mg/L)	0.34	None	0.34	None
Calcium (mg/L)	38.1	MW-D1, MW-D2, MW-D3	39.98	MW-D1, MW-D2, MW-D3
Chloride (mg/L)	9.833	None	9.833	None
Field pH (SU)	<5.07 or >9.43	None	<5.07 or >9.43	None
Fluoride (mg/L)	0.09461	MW-D1, MW-D3	0.1128	MW-D3
Sulfate (mg/L)	4.595	MW-D1, MW-D2, MW-D3	6.27	MW-D1, MW-D2, MW-D3
Total Dissolved Solids (TDS) (mg/L)	128	MW-D1, MW-D2, MW-D3	143	MW-D1, MW-D2, MW-D3

Notes:

mg/L = milligrams per liter.

SSI = Statistically Significant Increases compared to background.

SU = Standard Unit

¹: The prediction limit values were calculated using data collected from the background well MW-U1 between February 2017 and April 2025 or October 2025. The April 2025 concentrations were compared to the prediction values calculated in April 2025. The October 2025 measurements were compared with the most recent prediction limit values.

**Table 9. Summary of Basic Groundwater Statistics and GWPS for Appendix IV Constituents
Crisp County Power Commission
Plant Crisp Former Ash Pond**

Appendix IV to Part 257 - Constituents for Assessment Monitoring	Well ID	Number of Samples	Number of Non-detects	% Non-detects	Minimum	Maximum	Upper Tolerance Limit	Maximum Contaminant Level (MCL established under 40 CFR §161.62 and 40 CFR §141.66) or Groundwater Protection Standard (GWPS listed under 40 CFR §257.95(h)(2))	Selected GWPS for the Site
Antimony [mg/L]	MW-D1	16	16	100%	<0.0005	<0.0025		0.006	0.006
	MW-D2	16	16	100%	<0.0005	<0.0025			
	MW-D3	16	16	100%	<0.0005	<0.0025			
	MW-U1	18	18	100%	<0.0005	<0.0025	0.0025		
Arsenic [mg/L]	MW-D1	23	23	100%	<0.00025	<0.0025		0.01	0.01
	MW-D2	23	19	83%	0.00027 (B)	<0.0025			
	MW-D3	23	7	30%	0.00048 (J)	<0.0025			
	MW-U1	24	20	83%	0.00015 (JB)	<0.0025	0.0025		
Barium [mg/L]	MW-D1	25	0	0%	0.0095	0.027		2	2
	MW-D2	25	0	0%	0.087	0.190			
	MW-D3	25	0	0%	0.030	0.230			
	MW-U1	26	0	0%	0.0018	0.0062	0.0062		
Beryllium [mg/L]	MW-D1	16	16	100%	<0.0004	<0.0025		0.004	0.004
	MW-D2	16	16	100%	<0.0004	<0.0025			
	MW-D3	16	16	100%	<0.0004	<0.0025			
	MW-U1	17	17	100%	<0.0004	<0.0025	0.002		
Cadmium [mg/L]	MW-D1	18	18	100%	<0.0002	<0.0025		0.005	0.005
	MW-D2	18	15	83%	0.000075 (J)	<0.0025			
	MW-D3	18	17	94%	0.000071 (J)	<0.0025			
	MW-U1	19	19	100%	<0.0002	<0.0025	0.002		
Chromium [mg/L]	MW-D1	23	19	83%	<0.0005	0.0050		0.1	0.1
	MW-D2	23	20	87%	<0.0005	0.0038			
	MW-D3	23	19	83%	<0.0005	0.0037			
	MW-U1	24	2	8%	0.0011	0.0051	0.0051		
Cobalt [mg/L]	MW-D1	21	20	95%	<0.0005	<0.0025		0.006	0.006
	MW-D2	21	19	90%	0.00047 (J)	<0.0025			
	MW-D3	21	6	29%	0.00035 (J)	<0.0025			
	MW-U1	24	23	96%	<0.0005	<0.0025	0.0025		
Fluoride [mg/L]	MW-D1	25	0	0%	0.040	0.180		4	4
	MW-D2	25	3	12%	0.040	0.120			
	MW-D3	25	0	0%	0.060	0.200 F1			
	MW-U1	26	3	12%	0.040	0.130	0.1263		
Lead [mg/L]	MW-D1	16	15	94%	<0.00025	<0.0013		0.015	0.0015
	MW-D2	16	14	88%	<0.00025	<0.0013			
	MW-D3	16	16	100%	<0.00025	<0.0013			
	MW-U1	19	18	95%	<0.00025	0.020	0.002		
Lithium [mg/L]	MW-D1	20	18	90%	<0.0005	<0.02		0.04	0.04
	MW-D2	20	18	90%	<0.0005	<0.02			
	MW-D3	20	16	80%	0.00048 (J)	<0.02			
	MW-U1	21	19	90%	0.00034 (J)	<0.02	0.02		
Mercury [mg/L]	MW-D1	16	15	94%	0.000077 (JB)	<0.0002		0.002	0.002
	MW-D2	16	14	88%	0.00011 (JB)	<0.0002			
	MW-D3	16	15	94%	0.00011 (JB)	<0.0002			
	MW-U1	17	16	94%	0.000099 (JB)	<0.0002	0.0002		
Molybdenum [mg/L]	MW-D1	23	23	100%	<0.002	<0.02		0.10	0.10
	MW-D2	23	20	87%	0.0012 (J)	<0.02			
	MW-D3	23	4	17%	0.0017 (J)	<0.01			
	MW-U1	24	23	96%	0.0011 (J)	<0.02	0.02		
Radium 226 and 228 228 Combined [pCi/L]	MW-D1	25	8	32%	0.0994	1.420		5	5
	MW-D2	25	7	28%	0.0139	1.280			
	MW-D3	25	8	32%	0.000	1.280			
	MW-U1	25	9	36%	-0.150	1.720	1.72		
Selenium [mg/L]	MW-D1	19	16	84%	<0.00025	0.0014		0.05	0.05
	MW-D2	19	15	79%	<0.00025	0.0026			
	MW-D3	19	13	68%	0.00021 (J)	0.0028			
	MW-U1	21	14	67%	0.00039	<0.0013	0.0013		
Thallium [mg/L]	MW-D1	20	20	100%	<0.0001	<0.0005		0.002	0.002
	MW-D2	20	10	50%	0.000085 (J)	<0.0005			
	MW-D3	20	6	30%	0.000095 (J)	<0.0005			
	MW-U1	21	21	100%	<0.0001	<0.0005	0.0005		

Notes:

mg/L = milligrams per liter

pCi/L = picocuries per liter

Highlighted cells show the background well (MW-U1).

J - Result is less than the reporting level but greater than or equal to the method detection limit (MDL) and the concentration is an approximate value.

B - Compound was found in the blank and sample.

**Table 10. Evaluation of SSLs for Appendix IV Constituents
Crisp County Power Commission
Plant Crisp Former Ash Pond**

Appendix IV to Part 257 - Constituents for Assessment Monitoring	Well ID	Selected Groundwater Protection Standard (GWPS) for the Site (From Table 9)	Lower Confidence Limit if Detected During the 2025 Monitoring Period	Concentrations in Downgradient Well Show Statistically Significant Level (SSL) Above GWPS?
Antimony [mg/L]	MW-U1	0.006	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		ND	No
Arsenic [mg/L]	MW-U1	0.01	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		ND	No
Barium [mg/L]	MW-U1	2	Background Well	
	MW-D1		0.0120	No
	MW-D2		0.1303	No
	MW-D3		0.0867	No
Beryllium [mg/L]	MW-U1	0.004	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		ND	No
Cadmium [mg/L]	MW-U1	0.005	Background Well	
	MW-D1		0.000200	No
	MW-D2		0.000120	No
	MW-D3		0.000071	No
Chromium [mg/L]	MW-U1	0.1	Background Well	
	MW-D1		0.00180	No
	MW-D2		0.00200	No
	MW-D3		0.00170	No
Cobalt [mg/L]	MW-U1	0.006	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		ND	No
Fluoride [mg/L]	MW-U1	4	Background Well	
	MW-D1		0.06758	No
	MW-D2		0.05794	No
	MW-D3		0.110	No
Lead [mg/L]	MW-U1	0.0015	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		ND	No
Lithium [mg/L]	MW-U1	0.04	Background Well	
	MW-D1		0.0023	No
	MW-D2		0.0011	No
	MW-D3		0.0024	No
Mercury [mg/L]	MW-U1	0.002	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		ND	No
Molybdenum [mg/L]	MW-U1	0.10	Background Well	
	MW-D1		0.002	No
	MW-D2		0.0025	No
	MW-D3		0.0022	No
Radium 226 and 228 228 Combined [pCi/L]	MW-U1	5	Background Well	
	MW-D1		0.5381	No
	MW-D2		0.4161	No
	MW-D3		0.5723	No
Selenium [mg/L]	MW-U1	0.05	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		ND	No
Thallium [mg/L]	MW-U1	0.002	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		ND	No

Notes:

mg/L = milligrams per liter

pCi/L = picocuries per liter

ND = Not Detected

Highlighted cells show the background well (MW-U1).

FIGURES






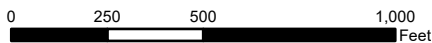
Service Layer Credits: ESRI_World_Imagery: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community Aerial Photograph from January 2024.

\\Arc-01\proj\GIS\APRX\July 2025 Semiannual\Former Ash Area.aprx 5/23/2025 5:28 PM DY



Legend

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

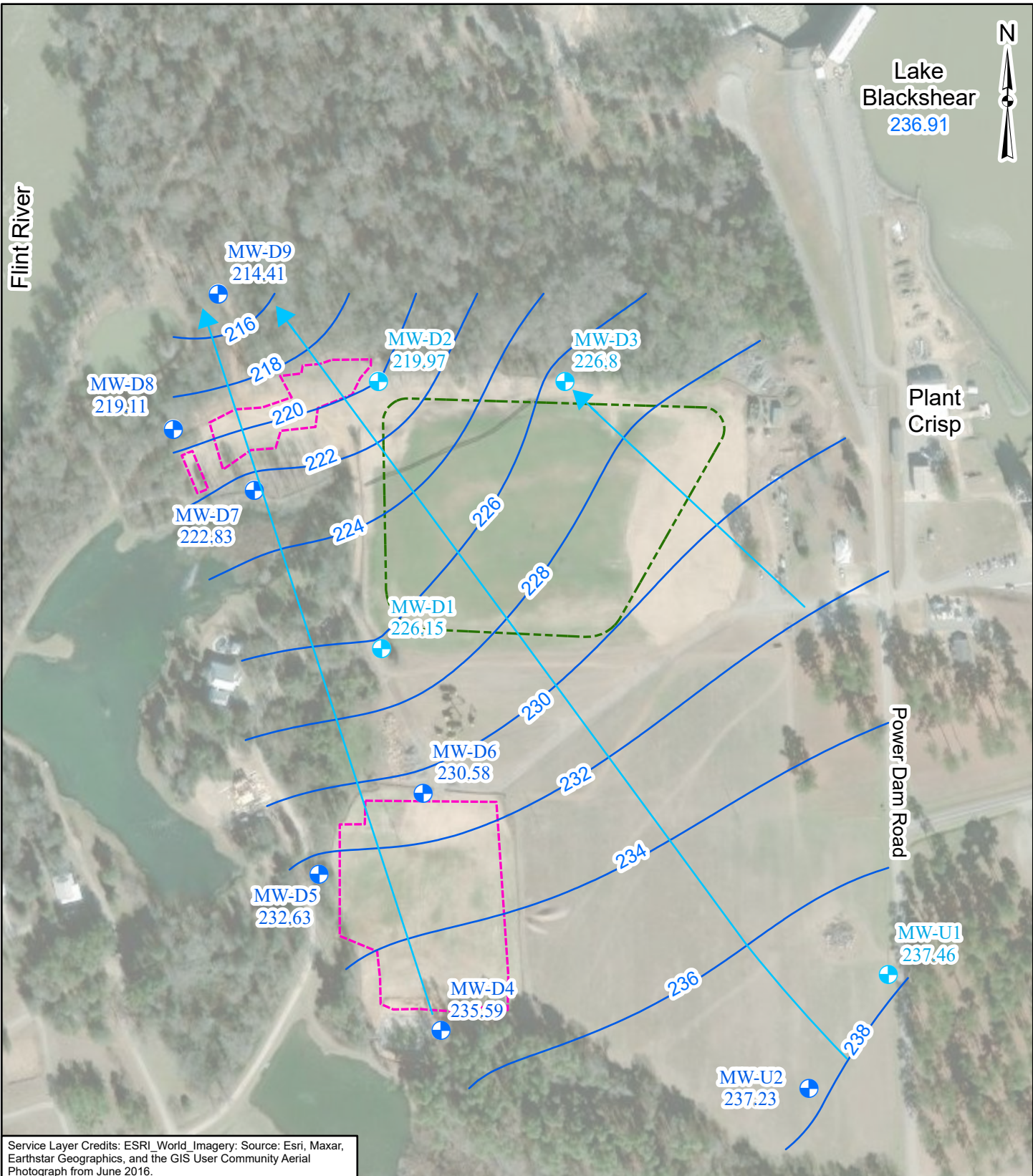


Groundwater Monitoring Well Location Map

Crisp County Power Commission
Warwick, Georgia

Geosyntec
consultants

DATE:	JANUARY 2026
PROJECT NO.	GW6152
DOCUMENT NO.	GA260001
FILE NO.	FIGURE 1 GROUNDWATER MONITORING WELL LOCATION MAP
KENNESAW, GA	FIGURE NO. 1



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

\\sco-01\proj\GIS\Crisp County\GIS\MXD\2025\April_2025_Potentiometric Surface Map.aprx: 11/3/2025 1:12 PM



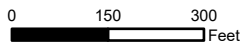
Dawit D. Yifru

Dawit Yifru
PG001965

Legend

- Monitoring Well (Ash Pond)
- Monitoring Well (Secondary Ash Areas)
- Monitoring Well (Secondary Ash Areas)
- 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.



Potentiometric Surface Map (April 2025)

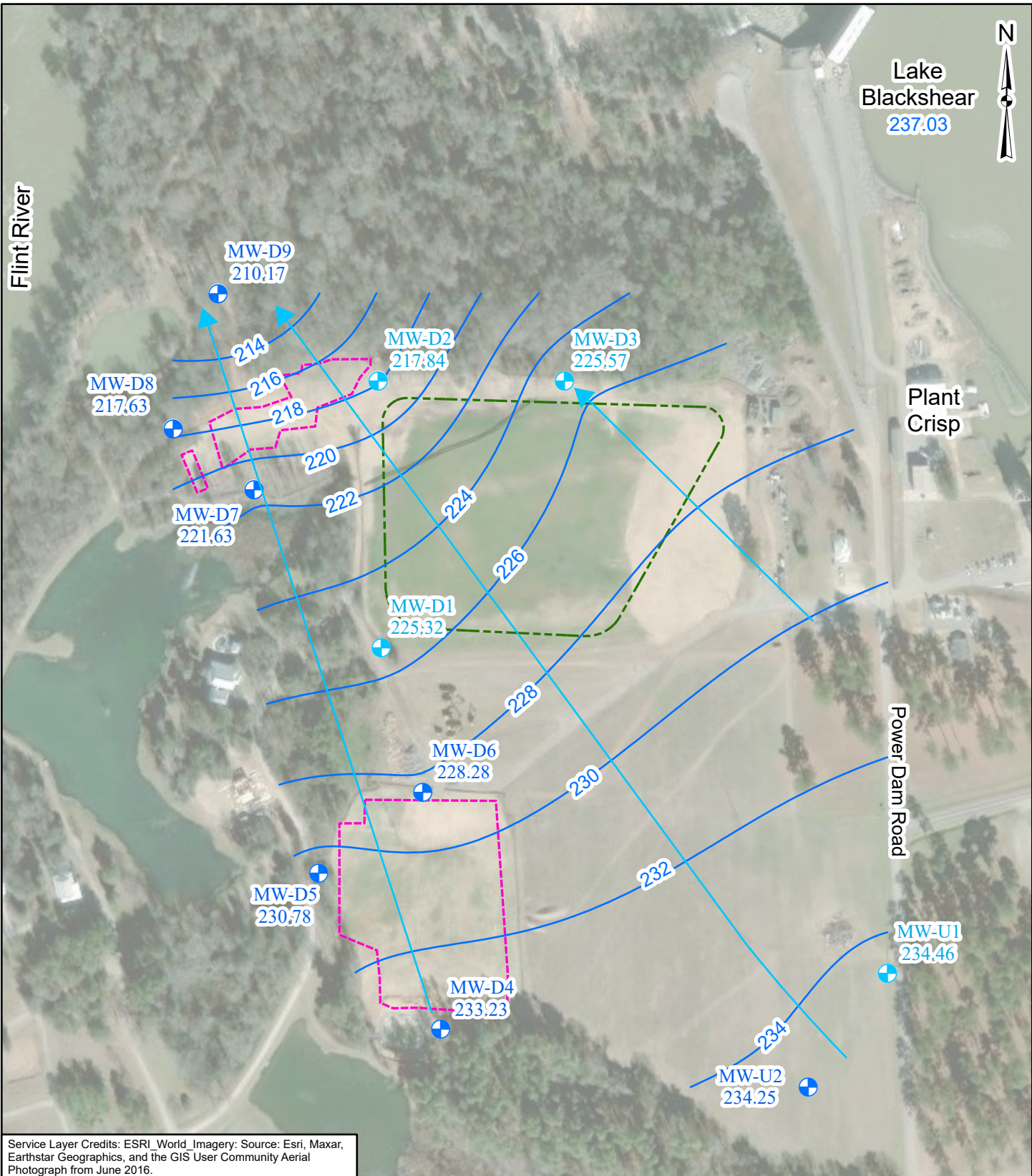
Crisp County Power Commission
Warwick, Georgia

Geosyntec consultants

KENNESAW, GA

DATE:	JANUARY 2026
PROJECT NO.	GW6152
DOCUMENT NO.	GA 260001
FILE NO.	FIGURE 2 POTENTIOMETRIC SURFACE MAP.APRX
FIGURE NO.	2

\\sco-01\proj\GIS\Crisp County\GIS\MXD\2025\October_2025_Potentiometric Surface Map.aprx 11/3/2025 1:45 PM



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



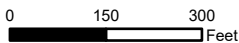
Dawit D. Yifru

Dawit Yifru
PG001965

Legend

- ⊕ Monitoring Well (Ash Pond)
- ⊕ Monitoring Well (Secondary Ash Areas)
- Monitoring Well (Secondary Ash Areas)
- ➔ 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.



Potentiometric Surface Map (October 2025)

Crisp County Power Commission
Warwick, Georgia

Geosyntec consultants

KENNESAW, GA

DATE:	JANUARY 2026
PROJECT NO.	GW6152
DOCUMENT NO.	GA 260001
FILE NO.	FIGURE 2 POTENTIOMETRIC SURFACE MAP.APRX
FIGURE NO.	2

APPENDIX A

Field Groundwater Sampling Forms

April 2025

Depth to Groundwater Level Measurement

1. Open all monitoring wells and wait ~15 min for the water level to equilibrate. Take a full round of water level measurements prior to sampling. **Measure total well depth at the end of the sampling event.** Decontaminate water level indicator between wells. The following table has the list of wells for water level measurement and the most recent depth to water and total well depth.

Monitoring Well ID	Total Well Depth (ft bgs)	Depth to Water (ft btoc) 10/17/2024	Depth to Water (ft btoc) 4/23/2025
MW-U1	37.35	10.84	12.06
MW-U2	30.96	10.19	11.56
MW-D1	22.82	15.20	15.62
MW-D2	22.51	12.75	12.69
MW-D3	22.72	6.77	6.98
MW-D4	29.91	10.52	10.96
MW-D5	36.05	8.49	8.53
MW-D6	37.49	21.58	22.05
MW-D7	27.03	7.48	7.35
MW-D8	27.65	7.57	7.65
MW-D9	27.31	6.61	7.01

Notes:

ft btoc = feet below the top of casing

ft bgs = feet below ground surface

MW-U1 and MW-U2 are background monitoring wells

Low-Flow Test Report:

Test Date / Time: 4/29/2025 11:48:33 AM

Project: CCPC

Operator Name: Z. Webb

Location Name: MW-U1 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 27.35 ft Total Depth: 37.35 ft Initial Depth to Water: 12 ft	Pump Type: Peristaltic Tubing Type: Polyethylene Pump Intake From TOC: 32.35 ft Estimated Total Volume Pumped: 8 liter Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.8 ft	Instrument Used: Aqua TROLL 400 Serial Number: 1167968
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Test Notes:

Appendix

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	
4/29/2025 11:48 AM	00:00	7.87 pH	24.36 °C	194.75 µS/cm	7.13 mg/L	2.45 NTU	158.0 mV	12.00 ft	200.00 ml/min
4/29/2025 11:53 AM	05:00	7.86 pH	25.82 °C	194.33 µS/cm	7.07 mg/L	2.23 NTU	361.1 mV	12.35 ft	200.00 ml/min
4/29/2025 11:58 AM	10:00	7.87 pH	24.81 °C	192.16 µS/cm	6.97 mg/L	1.90 NTU	294.8 mV	12.46 ft	200.00 ml/min
4/29/2025 12:03 PM	15:00	7.88 pH	23.22 °C	190.12 µS/cm	7.04 mg/L	1.62 NTU	301.6 mV	12.61 ft	200.00 ml/min
4/29/2025 12:08 PM	20:00	7.88 pH	22.53 °C	189.88 µS/cm	7.18 mg/L	1.18 NTU	301.5 mV	12.75 ft	200.00 ml/min
4/29/2025 12:13 PM	25:00	7.89 pH	22.25 °C	189.13 µS/cm	7.36 mg/L	1.03 NTU	300.1 mV	12.77 ft	200.00 ml/min
4/29/2025 12:18 PM	30:00	7.89 pH	22.04 °C	188.33 µS/cm	7.39 mg/L	0.97 NTU	292.6 mV	12.79 ft	200.00 ml/min
4/29/2025 12:23 PM	35:00	7.89 pH	22.12 °C	188.67 µS/cm	7.36 mg/L	0.60 NTU	290.2 mV	12.80 ft	200.00 ml/min

Samples

Sample ID:	Description:
MW-U1-20250429	Grab.

Low-Flow Test Report:

Test Date / Time: 4/29/2025 1:31:27 PM

Project: CCPC

Operator Name: Y. Wang

Location Name: MW-D1 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 13 ft Total Depth: 23 ft Initial Depth to Water: 15.62 ft	Pump Type: Peristaltic Tubing Type: Polyethylene Pump Intake From TOC: 17.5 ft Estimated Total Volume Pumped: 8 liter Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.81 ft	Instrument Used: Aqua TROLL 400 Serial Number: 1170065
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.3	+/- 10	+/- 10	+/- 5
4/29/2025 1:31 PM	05:00	7.53 pH	21.65 °C	314.75 µS/cm	4.39 mg/L	0.31 NTU	221.4 mV	16.02 ft
4/29/2025 1:36 PM	10:00	7.53 pH	21.74 °C	313.89 µS/cm	4.19 mg/L	0.31 NTU	181.4 mV	16.18 ft
4/29/2025 1:41 PM	15:00	7.53 pH	21.51 °C	314.42 µS/cm	4.25 mg/L	0.24 NTU	233.1 mV	16.21 ft
4/29/2025 1:46 PM	20:00	7.53 pH	22.18 °C	316.07 µS/cm	4.11 mg/L	0.58 NTU	187.1 mV	16.25 ft
4/29/2025 1:51 PM	25:00	7.51 pH	22.21 °C	316.41 µS/cm	4.09 mg/L	0.25 NTU	190.6 mV	16.29 ft
4/29/2025 1:56 PM	30:00	7.52 pH	22.32 °C	314.97 µS/cm	4.05 mg/L	0.35 NTU	244.1 mV	16.34 ft
4/29/2025 2:01 PM	35:00	7.49 pH	22.36 °C	316.21 µS/cm	3.90 mg/L	0.27 NTU	251.8 mV	16.39 ft
4/29/2025 2:06 PM	40:00	7.49 pH	22.47 °C	316.87 µS/cm	3.95 mg/L	0.31 NTU	258.3 mV	16.43 ft

Samples

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

Low-Flow Test Report:

Test Date / Time: 4/29/2025 1:20:27 PM

Project: CCPC

Operator Name: Y. Wang

Location Name: MW-D2 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 13 ft Total Depth: 23 ft Initial Depth to Water: 12.69 ft	Pump Type: Peristaltic Tubing Type: Polyethylene Pump Intake From TOC: 18 ft Estimated Total Volume Pumped: 7 liter Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 1.67 ft	Instrument Used: Aqua TROLL 400 Serial Number: 1170065
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 20	+/- 5
4/29/2025 3:20 PM	05:00	6.91 pH	24.06 °C	640.22 µS/cm	0.37 mg/L	2.25 NTU	172.7 mV	13.15 ft
4/29/2025 3:25 PM	10:00	6.90 pH	23.83 °C	646.54 µS/cm	0.25 mg/L	1.43 NTU	184.0 mV	13.35 ft
4/29/2025 3:30 PM	15:00	6.91 pH	23.81 °C	645.89 µS/cm	0.23 mg/L	0.86 NTU	193.8 mV	13.48 ft
4/29/2025 3:35 PM	20:00	6.89 pH	23.92 °C	643.82 µS/cm	0.35 mg/L	0.75 NTU	293.6 mV	13.59 ft
4/29/2025 3:40 PM	25:00	6.89 pH	23.78 °C	650.86 µS/cm	0.40 mg/L	0.68 NTU	271.6 mV	13.65 ft
4/29/2025 3:44 PM	29:16	6.89 pH	23.98 °C	662.90 µS/cm	0.32 mg/L	0.51 NTU	259.9 mV	13.81 ft
4/29/2025 3:49 PM	34:16	6.88 pH	24.10 °C	659.37 µS/cm	0.31 mg/L	0.48 NTU	273.5 mV	14.36 ft

Samples

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

Low-Flow Test Report:

Test Date / Time: 4/29/2025 5:05:47 PM

Project: CCPC

Operator Name: Z. Webb

Location Name: MW-D3 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 12.72 ft Total Depth: 22.72 ft Initial Depth to Water: 6.98 ft	Pump Type: Peristaltic Tubing Type: Polyethylene Pump Intake From TOC: 17.72 ft Estimated Total Volume Pumped: 13 liter Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 3.23 ft	Instrument Used: Aqua TROLL 400 Serial Number: 1167968
---	---	---

Test Notes:

Appendix

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	
4/29/2025 5:05 PM	00:00	7.43 pH	23.00 °C	343.67 µS/cm	2.92 mg/L	0.91 NTU	126.5 mV	6.98 ft	200.00 ml/min
4/29/2025 5:10 PM	05:00	7.44 pH	22.02 °C	338.19 µS/cm	3.06 mg/L	1.27 NTU	236.7 mV	8.57 ft	200.00 ml/min
4/29/2025 5:15 PM	10:00	7.46 pH	21.58 °C	333.55 µS/cm	3.25 mg/L	1.99 NTU	283.9 mV	9.62 ft	200.00 ml/min
4/29/2025 5:20 PM	15:00	7.48 pH	21.50 °C	328.56 µS/cm	3.38 mg/L	2.80 NTU	305.9 mV	10.09 ft	200.00 ml/min
4/29/2025 5:25 PM	20:00	7.48 pH	21.11 °C	327.06 µS/cm	3.39 mg/L	1.73 NTU	422.5 mV	10.13 ft	200.00 ml/min
4/29/2025 5:30 PM	25:00	7.47 pH	21.63 °C	327.59 µS/cm	3.42 mg/L	1.46 NTU	428.8 mV	10.15 ft	200.00 ml/min
4/29/2025 5:35 PM	30:00	7.48 pH	21.51 °C	326.01 µS/cm	3.45 mg/L	1.29 NTU	319.7 mV	10.17 ft	200.00 ml/min
4/29/2025 5:40 PM	35:00	7.47 pH	21.46 °C	327.36 µS/cm	3.45 mg/L	0.86 NTU	433.5 mV	10.20 ft	200.00 ml/min
4/29/2025 5:45 PM	40:00	7.48 pH	21.68 °C	326.68 µS/cm	3.51 mg/L	0.74 NTU	447.2 mV	10.20 ft	200.00 ml/min
4/29/2025 5:50 PM	45:00	7.48 pH	21.64 °C	324.82 µS/cm	3.48 mg/L	0.98 NTU	455.6 mV	10.21 ft	200.00 ml/min
4/29/2025 5:55 PM	50:00	7.48 pH	21.46 °C	326.48 µS/cm	3.49 mg/L	0.70 NTU	461.0 mV	10.21 ft	200.00 ml/min
4/29/2025 6:00 PM	55:00	7.47 pH	21.48 °C	327.60 µS/cm	3.44 mg/L	0.51 NTU	466.0 mV	10.21 ft	200.00 ml/min
4/29/2025 6:05 PM	01:00:00	7.48 pH	21.41 °C	324.43 µS/cm	3.51 mg/L	0.66 NTU	468.5 mV	10.21 ft	200.00 ml/min

Samples

Sample ID:	Description:
MW-D3-20250429	Grab.

EQUIPMENT CALIBRATION LOG

Field Technician Yanli Wang

Date 04/30/25

Time (start) 0803

Time (finish) 0820

smarTroll SN 1170065

Turbidity Meter Type HACH 2100A

SN 24290D00222

Weather Conditions Sunny

Facility and Unit CPC

Project No. GW6152

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	24014218		4490	450.6	4492.4	+/- 5 %	Yes No	/
pH (4)	01/2026	21.02	4.00	4.04	4.00	+/- 0.1 SU	Yes No	
Mid-Day pH (4) check		22.36 YW	4.00	4.04 YW		+/- 0.1 SU	Yes No	
pH (7)	24014266 01/2026	22.36	7.00	6.99	7.00	+/- 0.1 SU	Yes No	
Mid-Day pH (7) check		YW	7.00			+/- 0.1 SU	Yes No	
pH (10)	24011537 01/2026	23.13	10.00	9.90	10.01	+/- 0.1 SU	Yes No	
Mid-Day pH (10) check		YW	10.00			+/- 0.1 SU	Yes No	
ORP (mV)	2440162 01/2026	23.32	228	228.8	228.8	+/- 20mV	Yes No	
DO (%) (1pt, 100% water saturated air cal)			100	98.07	100.22	+/- 6 % saturation	Yes No	
Turbidity 0 NTU			0.10	9.91	9.97	+/- 0.5 NTU	Yes No	
Turbidity 1 NTU			1.00 ₂₀	20.7	20.1	+/- 0.5 NTU	Yes No	
Turbidity 10 NTU			10.00 ₁₀₀	102	99.8	+/- 0.5 NTU	Yes No	

EQUIPMENT CALIBRATION LOG

Field Technician Zain Webb Date 4-30-25 Time (start) 0806 Time (finish) 0834
 smarTroll SN 1167968 Turbidity Meter Type HACH 2100Q SN 23060D000290
 Weather Conditions Clear, 75°F Facility and Unit — Project No GW6152/03

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	24014218 01/2026	22.20	4490	4361.8	4490	+/- 5 %	<input checked="" type="radio"/> Yes <input type="radio"/> No	—
pH (4)			4.00	3.99	4.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	—
Mid-Day pH (4) check	—	—	4.00	—	—	+/- 0.1 SU	Yes <input type="radio"/> No	—
pH (7)	24014266 01/2026	23.02	7.00	6.95	7.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	—
Mid-Day pH (7) check			7.00	—	—	+/- 0.1 SU	Yes <input type="radio"/> No	—
pH (10)	24011537 01/2026	23.33	10.00	9.97	10.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	—
Mid-Day pH (10) check			10.00	—	—	+/- 0.1 SU	Yes <input type="radio"/> No	—
ORP (mV)		22.92	228	227.2	228.0	+/- 20mV	<input checked="" type="radio"/> Yes <input type="radio"/> No	—
DO (%) (1pt, 100% water saturated air cal)			100	97.00%	100.00%	+/- 6 % saturation	<input checked="" type="radio"/> Yes <input type="radio"/> No	—
Turbidity ⁰ NTU			20	22.5	20	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	—
Turbidity ²⁰ NTU 100			100 ²⁰ 100	97.6	100	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	—
Turbidity ²⁰ NTU 800			1000 ²⁰ 800	757	800	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	—

EQUIPMENT CALIBRATION LOG

Field Technician: Yongli Wang

Date: 04/29/25

Time (start): 10:45

Time (finish): 11:05

smarTroll SN: 1170065

Turbidity Meter Type: HACH 21002

SN: 240901220222

Weather Conditions: Sunny

Facility and Unit: CCPL

Project No: GW6152

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	24014218		4490	4178	4484.3	+/- 5 %	✓ No	/
pH (4)	01/2026	23.61	4.00	4.02	4.00	+/- 0.1 SU	✓ No	
Mid-Day pH (4) check		Yn	4.00			+/- 0.1 SU	Yes No	
pH (7)	24014266 01/2026	24.07	7.00	6.97	7.00	+/- 0.1 SU	✓ No	
Mid-Day pH (7) check		Yn	7.00			+/- 0.1 SU	Yes No	
pH (10)	24011537 01/2026	24.06	10.00	9.90	10.01	+/- 0.1 SU	✓ No	
Mid-Day pH (10) check		Yn	10.00			+/- 0.1 SU	Yes No	
ORP (mV)	22490162 01/2026	24.11	228	223.7	227.9	+/- 20mV	✓ No	
DO (%) (1pt, 100% water saturated air cal)			100	103.32	99.81	+/- 6 % saturation	Yes No	
Turbidity 0 NTU			0.10	10.5	10.1	+/- 0.5 NTU	✓ No	
Turbidity 1 NTU			1.00	21	19.9	+/- 0.5 NTU	✓ No	Yn
Turbidity 10 NTU			10.00	103	101	+/- 0.5 NTU	✓ No	

EQUIPMENT CALIBRATION LOG

Field Technician: Zain Webb

Date: 4-29-25

Time (start): 0909

Time (finish): 0929

smarTroll SN: 1167968

Turbidity Meter Type: HACH 2100a

SN: 23060D000290

Weather Conditions: Cloudy, 75°F

Facility and Unit: —

Project No: GW6152/03

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	24014218	23.50	4490	4318.	4490.00	+/- 5 %	(Yes) No	—
pH (4)	01/2026		4.00	3.99	4.00	+/- 0.1 SU	(Yes) No	—
Mid-Day pH (4) check	24014218 01/2026	26.88	4.00	4.10	4.00	+/- 0.1 SU	(Yes) No	—
pH (7)	24014266 01/2026	28.88	7.00	6.97	7.00	+/- 0.1 SU	(Yes) No	—
Mid-Day pH (7) check	24014266 01/2026	27.75	7.00	7.06	7.00	+/- 0.1 SU	(Yes) No	—
pH (10)	24011537 01/2026	23.90	10.00	10.39	10.00	+/- 0.1 SU	(Yes) No	—
Mid-Day pH (10) check	24011537 01/2026	28.09	10.00	10.02	10.00	+/- 0.1 SU	(Yes) No	—
ORP (mV)	22490162 01/2026	23.78	228	223.8	228.0	+/- 20mV	(Yes) No	—
DO (%) (1pt, 100% water saturated air cal)			100	99.402	100%	+/- 6 % saturation	(Yes) No	—
Turbidity 20 NTU			20	20.1	20	+/- 0.5 NTU	(Yes) No	—
Turbidity ²⁰ 100 NTU			100 100	97.9	100	+/- 0.5 NTU	(Yes) No	—
Turbidity ²⁰ 800 NTU			1000 800	767	800	+/- 0.5 NTU	(Yes) No	—

October 2025

TEAM BRIEF
CCPC, 961 Power Dam Rd., Warwick, GA 31796

Contact List:

Mehmet Iscimen – Office 678-202-9542, Cell 404-316-1906

Dawit Yifru – Office 678.202.9569, Cell 770.371.6027

Yongli Wang – Cell 806.283.1717

Jacob Tracy – Cell 404.434.2074

Equipment Rental – AIR 770.448.9955

Eurofins Test America, Pensacola – 850-471-6222

Ronnie Miller (CCPC): 229-273-3811 Ext 401 (office), 229-322-2842 (Cell)

Depth to Groundwater Level Measurement

1. Open all monitoring wells and wait ~15 min for the water level to equilibrate. Take a full round of water level measurements prior to sampling. **Measure total well depth at the end of the sampling event.** Decontaminate water level indicator between wells. The following table has the list of wells for water level measurement and the most recent depth to water and total well depth.

Monitoring Well ID	Total Well Depth (ft bgs)	Depth to Water (ft btoc) 4/23/2025	Depth to Water (ft btoc) 10/22/2025
MW-U1	37.35	7.85	15.06
MW-U2	30.96	7.48	14.54
MW-D1	22.82	13.53	16.45
MW-D2	22.51	11.73	14.82
MW-D3	22.72	6.18	8.21
MW-D4	29.91	8.92	13.28
MW-D5	36.05	7.23	10.38
MW-D6	37.49	19.92	24.35
MW-D7	27.03	6.29	8.55
MW-D8	27.65	6.46	9.13
MW-D9	27.31	6.25	11.25

Notes:

ft btoc = feet below the top of casing

ft bgs = feet below ground surface

MW-U1 and MW-U2 are background monitoring wells

GROUNDWATER SAMPLING LOG

SITE NAME: CRISP COUNTY POWER COMMISSION	SITE LOCATION: 961 Power Dam Road, Warwick, GA 31796
WELL NO: MW-11	SAMPLE ID: MW-11-2025/022
DATE: 10-22-25	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 273 feet to 573.5 feet	STATIC DEPTH TO WATER (feet): 1506	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) = (373.5 feet - 1506 feet) X 0.16 gallons/foot = 306 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): 32-35		FINAL PUMP OR TUBING DEPTH IN WELL (feet): _____		PURGING INITIATED AT: 1130
				PURGING ENDED AT: 1231
				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)
1130	1	1	200	1535	6.762	29.67	191.9	6.135	0.95	83.7	clear
1135	1	2	200	1542	7.426	24.47	201.0	6.235	1.23	52.3	↓
1140	1	3	200	1550	7.497	24.15	201.2	6.125	0.67	57.1	↓
1145	1	4	200	1545	7.504	24.11	200.3	6.100	0.83	58.4	↓
1150	1	5	200	1546	7.536	24.06	200.8	6.080	1.03	57.5	↓
1155	1	6	200	1547	7.548	24.13	200.7	6.088	0.92	53.5	↓

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: <i>Yongli Wang (Hessytube)</i>			SAMPLER(S) SIGNATURE(S): <i>Yongli Wang</i>			SAMPLING INITIATED AT: 1155		SAMPLING ENDED AT: 1231	
PUMP OR TUBING DEPTH IN WELL (feet): 32-35			TUBING MATERIAL CODE: LDPE			FIELD-FILTERED: Y <input checked="" type="checkbox"/>		FILTER SIZE: _____ μm	
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/>			TUBING Y <input checked="" type="checkbox"/> (replaced)			DUPLICATE: Y <input checked="" type="checkbox"/>			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-11-2025/022	1	HDPE	1.9L	HNO3	----	7.548	9315, 9320, Ra226, Ra228	APP	250
	1	HDPE	1.0L	NONE	----	7.548	SM4500, 2540C	APP	250
	1	HDPE	0.25L	HNO3	----	7.548	6010D, 6020B	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; RFPF = 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.

TD = 3735 ft

GROUNDWATER SAMPLING LOG

SITE NAME: CRISP COUNTY POWER COMMISSION	SITE LOCATION: 961 Power Dam Road, Warwick, GA 31796
WELL NO: MW-01	SAMPLE ID: MW-01-20251022
DATE: 10/22/2023	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 17.5 feet to 22.82 feet	STATIC DEPTH TO WATER (feet): 16.32	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) = (22.82 feet - 16.32 feet) X 0.16 gallons/foot = 1.04 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): 17.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 17.5	PURGING INITIATED AT: 15:10	PURGING ENDED AT: 15:45	TOTAL VOLUME PURGED (gallons): 6.5
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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)
15:15	1	1	200	16.61	7.089	25.49	317.7	3.219	0.97	68.3	Clear
15:20	1	2	200	16.82	7.020	24.99	318.9	3.356	1.08	104.0	Clear
15:25	1	3	200	16.96	7.013	24.78	322.4	2.939	0.9	169.2	Clear
15:30	1	4	200	17.11	7.038	24.69	324.3	2.706	0.75	232.1	Clear
15:35	1	5	200	17.25	7.069	24.58	324.1	2.163	0.8	334.9	Clear
15:40	0.75	5.75	150	17.33	7.111	24.60	323.4	2.632	0.83	413.7	Clear
15:45	0.75	6.5	130	17.41	7.141	24.39	322.3	2.610	0.72	487.3	Clear
TB											

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 = Bailor; 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: 15:45	SAMPLING ENDED AT: 16:45
PUMP OR TUBING DEPTH IN WELL (feet): _____	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	TUBING Y <input checked="" type="checkbox"/> N (replaced) <input type="checkbox"/>	DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	1	HDPE	1.9L	HNO3	----	7.141	9315, 9320, Ra226, Ra228 SM4500, 2540C 6010D, 6020B	APP	250
	1	HDPE	1.0L	NONE	----	7.141			
	1	HDPE	0.25L	HNO3	----	7.141			

FIELD SAMPLING CONDITIONS:

- Well Sign Present: Yes No
- Well Access: Good
- Sampling & Purging Equipment Condition: Good
- 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 = Bailor; 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-D2	SAMPLE ID: MW-D2-20251022
DATE: 10/22/25	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	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) = (22.55 feet - 14.82 feet) X 0.16 gallons/foot = 1.237 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): 18		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 18		PURGING INITIATED AT: 1531		PURGING ENDED AT: 1635		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)
1531	1	1	200	1505	6.614	32.66	535.7	3.965	6.11	217.3	clear
1536	1	2	200	1507	6.570	27.15	660.3	0.531	3.89	122.5	
1541	1	3	200	1505	6.570	26.79	662.1	0.257	1.47	112.3	
1546	1	4	200	1509	6.572	26.56	663.8	0.198	1.22	9.5	
1551	1	5	200	1501	6.570	26.46	665.5	0.162	0.78	89.2	
1556	1	6	200	1503	6.578	26.40	666.0	0.135	0.23	90.2	↓
1601	1	7	200								

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 = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Yonik Nung / Heatservice				SAMPLER(S) SIGNATURE(S): Yonik Nung				SAMPLING INITIATED AT: 1600		SAMPLING ENDED AT: 1635	
PUMP OR TUBING DEPTH IN WELL (feet): 29				TUBING MATERIAL CODE: LDPE				FIELD-FILTERED: Y <input checked="" type="checkbox"/> N		FILTER SIZE: _____ μm	
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N				TUBING Y <input checked="" type="checkbox"/> N (replaced)				DUPLICATE: Y <input checked="" type="checkbox"/> N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)				INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
MW-D2-20251022	1	HDPE	1.9L	HNO3	----	6.578	9315, 9320, Ra226, Ra228	APP	250		
↓	1	HDPE	1.0L	NONE	----	6.578	SM4500, 2540C	APP	250		
↓	1	HDPE	0.25L	HNO3	----	6.578	6010D, 6020B	APP	250		

FIELD SAMPLING CONDITIONS:

- Well Sign Present: Yes No
- Well Access: Good
- Sampling & Purging Equipment Condition: Good
- 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 = Bailor; 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-03#	SAMPLE ID: MW-03-20231023
DATE: 10/23/23	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 12.72 feet to 20.72 feet	STATIC DEPTH TO WATER (feet): 8.13
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) = (20.72 feet - 8.13 feet) X 0.16 gallons/foot = 2.33 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):	17.72	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	17.72	PURGING INITIATED AT:	12:25	PURGING ENDED AT:	12:56	TOTAL VOLUME PURGED (gallons):	6
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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)
12:31	1	1	200	9.42	7.504	25.63	328.2	2.988	3.62	108	
12:36	1	2	200	9.69	7.527	24.69	330.4	3.155	3.24	168.8	
12:41	1	3	200	9.82	7.529	24.69	331.4	3.162	1.73	167.1	
12:46	1	4	200	9.85	7.528	24.65	331.6	3.198	1.25	159.4	
12:51	1	5	200	9.85	7.530	24.66	331.1	3.202	0.95	149.7	
12:56	1	6	200	9.91	7.530	24.64	331.6	3.212	1.14	141.9	
Sample @ 12:56											

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 / GEOSYNTEC	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT: 12:56	SAMPLING ENDED AT: 13:30						
PUMP OR TUBING DEPTH IN WELL (feet): 17.72	TUBING MATERIAL CODE: LDPE	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	FILTER SIZE: _____ μm						
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input type="checkbox"/> TUBING Y <input checked="" type="checkbox"/> N (replaced) <input type="checkbox"/>		DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>							
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	----	7.53	9315, 9320, Ra226, Ra228	APP	250
	1	HDPE	1.0L	NONE	----	7.53	SM4500, 2540C	APP	250
	1	HDPE	0.25L	HNO3	----	7.33	6010D, 6020B	APP	250

FIELD SAMPLING CONDITIONS:

- Well Sign Present: Yes No
- Well Access: Good
- Sampling & Purging Equipment Condition: Good
- 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; RFP = 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.

EQUIPMENT CALIBRATION LOG

Field Technician Jacob Tracy Date 10/22/23 Time (start) 10:40 Time (finish) 11:23
 smarTroll SN 909630 Turbidity Meter Type hach SN 220900000086
 Weather Conditions Sunny, cool Facility and Unit _____ Project No 6W6132

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	2401428 01/26	14.73	4490	4037	4490	+/- 5%	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
pH (4)			4.00	3.82	4.0	+/- 0.1 SU	Yes <input type="checkbox"/> No	
Mid-Day pH (4) check			4.00			+/- 0.1 SU	Yes <input type="checkbox"/> No	
pH (7)	24014266 01/2026	19.97	7.00	6.92	7.0	+/- 0.1 SU	Yes <input type="checkbox"/> No	
Mid-Day pH (7) check			7.00			+/- 0.1 SU	Yes <input type="checkbox"/> No	
pH (10)	24011577 01/26	19.77	10.00	9.86	10	+/- 0.1 SU	Yes <input type="checkbox"/> No	
Mid-Day pH (10) check			10.00			+/- 0.1 SU	Yes <input type="checkbox"/> No	
ORP (mV)	22490162 01/26	19.99	228	247.2	228	+/- 20mV	Yes <input type="checkbox"/> No	
DO (%) (1pt, 100% water saturated air cal)			100	113.6	100	+/- 6% saturation	Yes <input type="checkbox"/> No	
Turbidity 0 NTU			0			+/- 0.5 NTU	Yes <input type="checkbox"/> No	
Turbidity 1 NTU			20 100	20.1		+/- 0.5 NTU	Yes <input type="checkbox"/> No	
Turbidity 10 NTU			10.00 100	100		+/- 0.5 NTU	Yes <input type="checkbox"/> No	

800 789

EQUIPMENT CALIBRATION LOG

Field Technician Jacob Tracy Date 10/23/25 Time (start) 8:15 Time (finish) 8:30
 smarTroll SN 989630 Turbidity Meter Type Hach SN 22096000086
 Weather Conditions Sunny, clear Facility and Unit _____ Project No GW0152

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	24014248 01/20	11.84	4490	4470	4490	+/- 5 %	Yes No	
pH (4)			4.00	3.92	4	+/- 0.1 SU	Yes No	
Mid-Day pH (4) check			4.00	6.998	7	+/- 0.1 SU	Yes No	
pH (7)	24014266 01/26	12.68	7.00			+/- 0.1 SU	Yes No	
Mid-Day pH (7) check			7.00			+/- 0.1 SU	Yes No	
pH (10)	24011537 01/26	12.89	10.00	10.09	10.00	+/- 0.1 SU	Yes No	
Mid-Day pH (10) check			10.00			+/- 0.1 SU	Yes No	
ORP (mV)	2249002 01/26	12.93	228	234	228	+/- 20mV	Yes No	
DO (%) (1pt, 100% water saturated air cal)			100	97 94.72	100	+/- 6 % saturation	Yes No	
Turbidity 0 NTU			20	20.7		+/- 0.5 NTU	Yes No	
Turbidity 1 NTU			1.00			+/- 0.5 NTU	Yes No	
Turbidity 10 NTU			10.00 10	10.4	-	+/- 0.5 NTU	Yes No	

800
100
812
102

EQUIPMENT CALIBRATION LOG

Field Technician Yongji Wang Date 10/22/25 Time (start) 1037 Time (finish) 1100
 smarTroll SN 883553 Turbidity Meter Type HACH 2100a SN 2306000900
 Weather Conditions Sunny Facility and Unit CPL Project No. Gwb102

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	24014218	21.32	4490	3400	4485	+/- 5 %	Yes No	
pH (4)	01/2026		4.00	4.072	4.002	+/- 0.1 SU	Yes No	
Mid-Day pH (4) check			4.00			+/- 0.1 SU	Yes No	
pH (7)	24014266 01/2026	21.36	7.00	7.254	7.001	+/- 0.1 SU	Yes No	
Mid-Day pH (7) check			7.00			+/- 0.1 SU	Yes No	
pH (10)	24011537 01/2026	21.97	10.00	9.58	10.06	+/- 0.1 SU	Yes No	
Mid-Day pH (10) check			10.00			+/- 0.1 SU	Yes No	
ORP (mV)	22490162 01/2026	21.06	228	223.6	227.3	+/- 20mV	Yes No	
DO (%) (1pt, 100% water saturated air cal)			100	109	99	+/- 6 % saturation	Yes No	
Turbidity 0 NTU			0/10	10.9	10.1	+/- 0.5 NTU	Yes No	
Turbidity 1 NTU			1.0020	18.6	20	+/- 0.5 NTU	Yes No	
Turbidity 10 NTU			10.00 /100	12.1	10.1	+/- 0.5 NTU	Yes No	

EQUIPMENT CALIBRATION LOG

Field Technician Yongli Wang Date 10/23/25 Time (start) 0800 Time (finish) 0830
 smatTroll SN 883553 Turbidity Meter Type HACH 2100a SN 23060000990
 Weather Conditions Sunny Facility and Unit CUPC Project No GW6152

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	24014018	11.89	4490	4447	/	+/- 5 %	Yes No	
pH (4)	01/2026		4.00	3.887	4.000	+/- 0.1 SU	Yes No	
Mid-Day pH (4) check			4.00			+/- 0.1 SU	Yes No	
pH (7)	24014266 01/2026	12.53	7.00	6.976	7.046	+/- 0.1 SU	Yes No	
Mid-Day pH (7) check			7.00			+/- 0.1 SU	Yes No	
pH (10)	24011537 01/2026	12.70	10.00	9.893	10.00	+/- 0.1 SU	Yes No	
Mid-Day pH (10) check			10.00			+/- 0.1 SU	Yes No	
ORP (mV)	22490162 01/2026	12.49	228	242.4	228	+/- 20mV	Yes No	
DO (%) (1pt, 100% water saturated air cal)			100	97.44	99.91	+/- 6 % saturation	Yes No	
Turbidity 0 NTU			0	8.21	9.81	+/- 0.5 NTU	Yes No	
Turbidity 1 NTU			1.90 ₂₀	20.1	/	+/- 0.5 NTU	Yes No	
Turbidity 10 NTU			10.90 ₁₀₀	99.8	/	+/- 0.5 NTU	Yes No	

APPENDIX B

Laboratory Analytical Reports

April 2025

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/13/2025 8:43:46 PM

JOB DESCRIPTION

Crisp County Power Commission

JOB NUMBER

400-275207-1

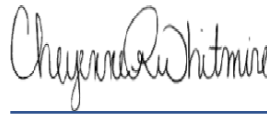
Eurofins Pensacola

Job Notes

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

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

Authorization



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Authorized for release by
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(850)471-6222



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Case Narrative

Client: Geosyntec Consultants Inc
Project: Crisp County Power Commission

Job ID: 400-275207-1

Job ID: 400-275207-1

Eurofins Pensacola

Job Narrative 400-275207-1

Receipt

The samples were received on 5/2/2025 10:10 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.0° C.

General Chemistry

Method SM 2540C: The sample duplicate (DUP) precision for analytical batch 400-708010 was outside control limits. Sample non-homogeneity is suspected.

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

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Detection Summary

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

Job ID: 400-275207-1

Client Sample ID: MW-D1-20250429

Lab Sample ID: 400-275207-1

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
Boron	0.073		0.050	0.022	mg/L	1		6020B	Total Recoverable
Calcium	54		0.25	0.14	mg/L	1		6020B	Total Recoverable
Lithium	0.0038		0.0025	0.0020	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	170		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	4.8		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.11		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	19		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	7.49				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-D2-20250429

Lab Sample ID: 400-275207-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.13		0.0025	0.00089	mg/L	1		6020B	Total Recoverable
Boron	0.12		0.050	0.022	mg/L	1		6020B	Total Recoverable
Cadmium	0.000085	J	0.0010	0.000078	mg/L	1		6020B	Total Recoverable
Calcium	130		0.25	0.14	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	360		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	4.4		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.070	J	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	21		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	6.88				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-D3-20250429

Lab Sample ID: 400-275207-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.030		0.0025	0.00089	mg/L	1		6020B	Total Recoverable
Boron	0.12		0.050	0.022	mg/L	1		6020B	Total Recoverable
Calcium	57		0.25	0.14	mg/L	1		6020B	Total Recoverable
Lithium	0.0021	J	0.0025	0.0020	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0047	J	0.010	0.00086	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	190		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	3.5		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.13		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	7.48				SU	1		Field Sampling	Total/NA

Client Sample ID: DUP-24-20250429

Lab Sample ID: 400-275207-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.031		0.0025	0.00089	mg/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

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

Job ID: 400-275207-1

Client Sample ID: DUP-24-20250429 (Continued)

Lab Sample ID: 400-275207-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.13		0.050	0.022	mg/L	1		6020B	Total Recoverable
Calcium	60		0.25	0.14	mg/L	1		6020B	Total Recoverable
Lithium	0.0032		0.0025	0.0020	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0050	J	0.010	0.00086	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	180		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	3.3		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.13		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	23		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola



Method Summary

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

Job ID: 400-275207-1

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 Commission

Job ID: 400-275207-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-275207-1	MW-D1-20250429	Water	04/29/25 14:09	05/02/25 10:10
400-275207-2	MW-D2-20250429	Water	04/29/25 15:52	05/02/25 10:10
400-275207-3	MW-D3-20250429	Water	04/29/25 18:10	05/02/25 10:10
400-275207-4	DUP-24-20250429	Water	04/29/25 00:00	05/02/25 10:10

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Client Sample Results

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

Job ID: 400-275207-1

Client Sample ID: MW-D1-20250429

Lab Sample ID: 400-275207-1

Date Collected: 04/29/25 14:09

Matrix: Water

Date Received: 05/02/25 10:10

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		05/05/25 05:26	05/05/25 17:42	1
Arsenic	ND		0.0013	0.00086	mg/L		05/05/25 05:26	05/05/25 17:42	1
Barium	0.0095		0.0025	0.00089	mg/L		05/05/25 05:26	05/05/25 17:42	1
Beryllium	ND		0.0020	0.00020	mg/L		05/05/25 05:26	05/05/25 17:42	1
Boron	0.073		0.050	0.022	mg/L		05/05/25 05:26	05/05/25 17:42	1
Cadmium	ND		0.0010	0.000078	mg/L		05/05/25 05:26	05/05/25 17:42	1
Calcium	54		0.25	0.14	mg/L		05/05/25 05:26	05/05/25 17:42	1
Chromium	ND		0.0025	0.0012	mg/L		05/05/25 05:26	05/05/25 17:42	1
Cobalt	ND		0.0025	0.00022	mg/L		05/05/25 05:26	05/05/25 17:42	1
Lead	ND		0.0013	0.00021	mg/L		05/05/25 05:26	05/05/25 17:42	1
Lithium	0.0038		0.0025	0.0020	mg/L		05/05/25 05:26	05/07/25 08:56	1
Molybdenum	ND		0.010	0.00086	mg/L		05/05/25 05:26	05/05/25 17:42	1
Selenium	ND		0.0013	0.00099	mg/L		05/05/25 05:26	05/05/25 17:42	1
Thallium	ND		0.00050	0.00026	mg/L		05/05/25 05:26	05/05/25 17:42	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		05/05/25 12:59	05/05/25 17:05	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			05/03/25 16:40	1
Chloride (SM 4500 Cl- E)	4.8		2.0	1.4	mg/L			05/09/25 11:08	1
Fluoride (SM 4500 F C)	0.11		0.10	0.022	mg/L			05/05/25 12:15	1
Sulfate (SM 4500 SO4 E)	19		5.0	1.4	mg/L			05/08/25 13:44	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.49				SU			04/29/25 13:09	1

Client Sample Results

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

Job ID: 400-275207-1

Client Sample ID: MW-D2-20250429

Lab Sample ID: 400-275207-2

Date Collected: 04/29/25 15:52

Matrix: Water

Date Received: 05/02/25 10:10

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		05/05/25 05:26	05/05/25 17:45	1
Arsenic	ND		0.0013	0.00086	mg/L		05/05/25 05:26	05/05/25 17:45	1
Barium	0.13		0.0025	0.00089	mg/L		05/05/25 05:26	05/05/25 17:45	1
Beryllium	ND		0.0020	0.00020	mg/L		05/05/25 05:26	05/05/25 17:45	1
Boron	0.12		0.050	0.022	mg/L		05/05/25 05:26	05/05/25 17:45	1
Cadmium	0.000085	J	0.0010	0.000078	mg/L		05/05/25 05:26	05/05/25 17:45	1
Calcium	130		0.25	0.14	mg/L		05/05/25 05:26	05/05/25 17:45	1
Chromium	ND		0.0025	0.0012	mg/L		05/05/25 05:26	05/05/25 17:45	1
Cobalt	ND		0.0025	0.00022	mg/L		05/05/25 05:26	05/05/25 17:45	1
Lead	ND		0.0013	0.00021	mg/L		05/05/25 05:26	05/05/25 17:45	1
Lithium	ND		0.0025	0.0020	mg/L		05/05/25 05:26	05/07/25 09:18	1
Molybdenum	ND		0.010	0.00086	mg/L		05/05/25 05:26	05/05/25 17:45	1
Selenium	ND		0.0013	0.00099	mg/L		05/05/25 05:26	05/05/25 17:45	1
Thallium	ND		0.00050	0.00026	mg/L		05/05/25 05:26	05/05/25 17:45	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		05/05/25 12:59	05/05/25 17:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	360		5.0	5.0	mg/L			05/03/25 16:40	1
Chloride (SM 4500 Cl- E)	4.4		2.0	1.4	mg/L			05/09/25 11:07	1
Fluoride (SM 4500 F C)	0.070	J	0.10	0.022	mg/L			05/05/25 12:22	1
Sulfate (SM 4500 SO4 E)	21		5.0	1.4	mg/L			05/08/25 13:45	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.88				SU			04/29/25 14:52	1

Client Sample Results

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

Job ID: 400-275207-1

Client Sample ID: MW-D3-20250429

Lab Sample ID: 400-275207-3

Date Collected: 04/29/25 18:10

Matrix: Water

Date Received: 05/02/25 10:10

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		05/05/25 05:26	05/05/25 17:32	1
Arsenic	ND		0.0013	0.00086	mg/L		05/05/25 05:26	05/05/25 17:32	1
Barium	0.030		0.0025	0.00089	mg/L		05/05/25 05:26	05/05/25 17:32	1
Beryllium	ND		0.0020	0.00020	mg/L		05/05/25 05:26	05/05/25 17:32	1
Boron	0.12		0.050	0.022	mg/L		05/05/25 05:26	05/05/25 17:32	1
Cadmium	ND		0.0010	0.000078	mg/L		05/05/25 05:26	05/05/25 17:32	1
Calcium	57		0.25	0.14	mg/L		05/05/25 05:26	05/05/25 17:32	1
Chromium	ND		0.0025	0.0012	mg/L		05/05/25 05:26	05/05/25 17:32	1
Cobalt	ND		0.0025	0.00022	mg/L		05/05/25 05:26	05/05/25 17:32	1
Lead	ND		0.0013	0.00021	mg/L		05/05/25 05:26	05/05/25 17:32	1
Lithium	0.0021	J	0.0025	0.0020	mg/L		05/05/25 05:26	05/07/25 08:46	1
Molybdenum	0.0047	J	0.010	0.00086	mg/L		05/05/25 05:26	05/05/25 17:32	1
Selenium	ND		0.0013	0.00099	mg/L		05/05/25 05:26	05/05/25 17:32	1
Thallium	ND		0.00050	0.00026	mg/L		05/05/25 05:26	05/05/25 17:32	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		05/05/25 12:59	05/05/25 17:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	190		5.0	5.0	mg/L			05/03/25 16:40	1
Chloride (SM 4500 Cl- E)	3.5		2.0	1.4	mg/L			05/09/25 11:06	1
Fluoride (SM 4500 F C)	0.13		0.10	0.022	mg/L			05/05/25 12:25	1
Sulfate (SM 4500 SO4 E)	23		5.0	1.4	mg/L			05/08/25 13:46	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.48				SU			04/29/25 17:10	1

Client Sample Results

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

Job ID: 400-275207-1

Client Sample ID: DUP-24-20250429

Lab Sample ID: 400-275207-4

Date Collected: 04/29/25 00:00

Matrix: Water

Date Received: 05/02/25 10:10

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		05/05/25 05:26	05/05/25 17:40	1
Arsenic	ND		0.0013	0.00086	mg/L		05/05/25 05:26	05/05/25 17:40	1
Barium	0.031		0.0025	0.00089	mg/L		05/05/25 05:26	05/05/25 17:40	1
Beryllium	ND		0.0020	0.00020	mg/L		05/05/25 05:26	05/05/25 17:40	1
Boron	0.13		0.050	0.022	mg/L		05/05/25 05:26	05/05/25 17:40	1
Cadmium	ND		0.0010	0.000078	mg/L		05/05/25 05:26	05/05/25 17:40	1
Calcium	60		0.25	0.14	mg/L		05/05/25 05:26	05/05/25 17:40	1
Chromium	ND		0.0025	0.0012	mg/L		05/05/25 05:26	05/05/25 17:40	1
Cobalt	ND		0.0025	0.00022	mg/L		05/05/25 05:26	05/05/25 17:40	1
Lead	ND		0.0013	0.00021	mg/L		05/05/25 05:26	05/05/25 17:40	1
Lithium	0.0032		0.0025	0.0020	mg/L		05/05/25 05:26	05/07/25 08:54	1
Molybdenum	0.0050 J		0.010	0.00086	mg/L		05/05/25 05:26	05/05/25 17:40	1
Selenium	ND		0.0013	0.00099	mg/L		05/05/25 05:26	05/05/25 17:40	1
Thallium	ND		0.00050	0.00026	mg/L		05/05/25 05:26	05/05/25 17:40	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		05/05/25 12:59	05/05/25 16:55	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			05/03/25 16:40	1
Chloride (SM 4500 Cl- E)	3.3		2.0	1.4	mg/L			05/09/25 11:06	1
Fluoride (SM 4500 F C)	0.13		0.10	0.022	mg/L			05/05/25 12:28	1
Sulfate (SM 4500 SO4 E)	23		5.0	1.4	mg/L			05/08/25 13:47	1

Definitions/Glossary

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

Job ID: 400-275207-1

Qualifiers

Metals

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

General Chemistry

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F3	Duplicate RPD exceeds the control limit
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 Commission

Job ID: 400-275207-1

Client Sample ID: MW-D1-20250429

Lab Sample ID: 400-275207-1

Date Collected: 04/29/25 14:09

Matrix: Water

Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			881808	RR	EET SAV	05/05/25 05:26
Total Recoverable	Analysis	6020B		1	881880	BWR	EET SAV	05/05/25 17:42
Total Recoverable	Prep	3005A			881808	RR	EET SAV	05/05/25 05:26
Total Recoverable	Analysis	6020B		1	881964	BWR	EET SAV	05/07/25 08:56
Total/NA	Prep	7470A			881859	MG	EET SAV	05/05/25 12:59
Total/NA	Analysis	7470A		1	881883	BJB	EET SAV	05/05/25 17:05
Total/NA	Analysis	SM 2540C		1	708010	EJT	EET PEN	05/03/25 16:40
Total/NA	Analysis	SM 4500 CI- E		1	708680	CJK	EET PEN	05/09/25 11:08
Total/NA	Analysis	SM 4500 F C		1	708098	JP	EET PEN	05/05/25 12:15
Total/NA	Analysis	SM 4500 SO4 E		1	708576	CJK	EET PEN	05/08/25 13:44
Total/NA	Analysis	Field Sampling		1	708168	CJ	EET PEN	04/29/25 13:09

Client Sample ID: MW-D2-20250429

Lab Sample ID: 400-275207-2

Date Collected: 04/29/25 15:52

Matrix: Water

Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			881808	RR	EET SAV	05/05/25 05:26
Total Recoverable	Analysis	6020B		1	881880	BWR	EET SAV	05/05/25 17:45
Total Recoverable	Prep	3005A			881808	RR	EET SAV	05/05/25 05:26
Total Recoverable	Analysis	6020B		1	881964	BWR	EET SAV	05/07/25 09:18
Total/NA	Prep	7470A			881859	MG	EET SAV	05/05/25 12:59
Total/NA	Analysis	7470A		1	881883	BJB	EET SAV	05/05/25 17:10
Total/NA	Analysis	SM 2540C		1	708010	EJT	EET PEN	05/03/25 16:40
Total/NA	Analysis	SM 4500 CI- E		1	708680	CJK	EET PEN	05/09/25 11:07
Total/NA	Analysis	SM 4500 F C		1	708098	JP	EET PEN	05/05/25 12:22
Total/NA	Analysis	SM 4500 SO4 E		1	708576	CJK	EET PEN	05/08/25 13:45
Total/NA	Analysis	Field Sampling		1	708168	CJ	EET PEN	04/29/25 14:52

Client Sample ID: MW-D3-20250429

Lab Sample ID: 400-275207-3

Date Collected: 04/29/25 18:10

Matrix: Water

Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			881808	RR	EET SAV	05/05/25 05:26
Total Recoverable	Analysis	6020B		1	881880	BWR	EET SAV	05/05/25 17:32
Total Recoverable	Prep	3005A			881808	RR	EET SAV	05/05/25 05:26
Total Recoverable	Analysis	6020B		1	881964	BWR	EET SAV	05/07/25 08:46
Total/NA	Prep	7470A			881859	MG	EET SAV	05/05/25 12:59
Total/NA	Analysis	7470A		1	881883	BJB	EET SAV	05/05/25 17:07
Total/NA	Analysis	SM 2540C		1	708010	EJT	EET PEN	05/03/25 16:40
Total/NA	Analysis	SM 4500 CI- E		1	708680	CJK	EET PEN	05/09/25 11:06
Total/NA	Analysis	SM 4500 F C		1	708098	JP	EET PEN	05/05/25 12:25

Lab Chronicle

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

Job ID: 400-275207-1

Client Sample ID: MW-D3-20250429

Lab Sample ID: 400-275207-3

Date Collected: 04/29/25 18:10

Matrix: Water

Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 SO4 E		1	708576	CJK	EET PEN	05/08/25 13:46
Total/NA	Analysis	Field Sampling		1	708168	CJ	EET PEN	04/29/25 17:10

Client Sample ID: DUP-24-20250429

Lab Sample ID: 400-275207-4

Date Collected: 04/29/25 00:00

Matrix: Water

Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			881808	RR	EET SAV	05/05/25 05:26
Total Recoverable	Analysis	6020B		1	881880	BWR	EET SAV	05/05/25 17:40
Total Recoverable	Prep	3005A			881808	RR	EET SAV	05/05/25 05:26
Total Recoverable	Analysis	6020B		1	881964	BWR	EET SAV	05/07/25 08:54
Total/NA	Prep	7470A			881859	MG	EET SAV	05/05/25 12:59
Total/NA	Analysis	7470A		1	881883	BJB	EET SAV	05/05/25 16:55
Total/NA	Analysis	SM 2540C		1	708010	EJT	EET PEN	05/03/25 16:40
Total/NA	Analysis	SM 4500 CI- E		1	708680	CJK	EET PEN	05/09/25 11:06
Total/NA	Analysis	SM 4500 F C		1	708098	JP	EET PEN	05/05/25 12:28
Total/NA	Analysis	SM 4500 SO4 E		1	708576	CJK	EET PEN	05/08/25 13:47

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

QC Association Summary

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

Job ID: 400-275207-1

Metals

Prep Batch: 881808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275207-1	MW-D1-20250429	Total Recoverable	Water	3005A	
400-275207-2	MW-D2-20250429	Total Recoverable	Water	3005A	
400-275207-3	MW-D3-20250429	Total Recoverable	Water	3005A	
400-275207-4	DUP-24-20250429	Total Recoverable	Water	3005A	
MB 680-881808/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-881808/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
400-275207-3 MS	MW-D3-20250429	Total Recoverable	Water	3005A	
400-275207-3 MSD	MW-D3-20250429	Total Recoverable	Water	3005A	

Prep Batch: 881859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275207-1	MW-D1-20250429	Total/NA	Water	7470A	
400-275207-2	MW-D2-20250429	Total/NA	Water	7470A	
400-275207-3	MW-D3-20250429	Total/NA	Water	7470A	
400-275207-4	DUP-24-20250429	Total/NA	Water	7470A	
MB 680-881859/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-881859/2-A	Lab Control Sample	Total/NA	Water	7470A	
400-275207-4 MS	DUP-24-20250429	Total/NA	Water	7470A	
400-275207-4 MSD	DUP-24-20250429	Total/NA	Water	7470A	

Analysis Batch: 881880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275207-1	MW-D1-20250429	Total Recoverable	Water	6020B	881808
400-275207-2	MW-D2-20250429	Total Recoverable	Water	6020B	881808
400-275207-3	MW-D3-20250429	Total Recoverable	Water	6020B	881808
400-275207-4	DUP-24-20250429	Total Recoverable	Water	6020B	881808
MB 680-881808/1-A	Method Blank	Total Recoverable	Water	6020B	881808
LCS 680-881808/2-A	Lab Control Sample	Total Recoverable	Water	6020B	881808
400-275207-3 MS	MW-D3-20250429	Total Recoverable	Water	6020B	881808
400-275207-3 MSD	MW-D3-20250429	Total Recoverable	Water	6020B	881808

Analysis Batch: 881883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275207-1	MW-D1-20250429	Total/NA	Water	7470A	881859
400-275207-2	MW-D2-20250429	Total/NA	Water	7470A	881859
400-275207-3	MW-D3-20250429	Total/NA	Water	7470A	881859
400-275207-4	DUP-24-20250429	Total/NA	Water	7470A	881859
MB 680-881859/1-A	Method Blank	Total/NA	Water	7470A	881859
LCS 680-881859/2-A	Lab Control Sample	Total/NA	Water	7470A	881859
400-275207-4 MS	DUP-24-20250429	Total/NA	Water	7470A	881859
400-275207-4 MSD	DUP-24-20250429	Total/NA	Water	7470A	881859

Analysis Batch: 881964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275207-1	MW-D1-20250429	Total Recoverable	Water	6020B	881808
400-275207-2	MW-D2-20250429	Total Recoverable	Water	6020B	881808
400-275207-3	MW-D3-20250429	Total Recoverable	Water	6020B	881808
400-275207-4	DUP-24-20250429	Total Recoverable	Water	6020B	881808
MB 680-881808/1-A	Method Blank	Total Recoverable	Water	6020B	881808
LCS 680-881808/2-A	Lab Control Sample	Total Recoverable	Water	6020B	881808
400-275207-3 MS	MW-D3-20250429	Total Recoverable	Water	6020B	881808

Eurofins Pensacola

QC Association Summary

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

Job ID: 400-275207-1

Metals (Continued)

Analysis Batch: 881964 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275207-3 MSD	MW-D3-20250429	Total Recoverable	Water	6020B	881808

General Chemistry

Analysis Batch: 708010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275207-1	MW-D1-20250429	Total/NA	Water	SM 2540C	
400-275207-2	MW-D2-20250429	Total/NA	Water	SM 2540C	
400-275207-3	MW-D3-20250429	Total/NA	Water	SM 2540C	
400-275207-4	DUP-24-20250429	Total/NA	Water	SM 2540C	
MB 400-708010/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-708010/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-275207-1 DU	MW-D1-20250429	Total/NA	Water	SM 2540C	

Analysis Batch: 708098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275207-1	MW-D1-20250429	Total/NA	Water	SM 4500 F C	
400-275207-2	MW-D2-20250429	Total/NA	Water	SM 4500 F C	
400-275207-3	MW-D3-20250429	Total/NA	Water	SM 4500 F C	
400-275207-4	DUP-24-20250429	Total/NA	Water	SM 4500 F C	
MB 400-708098/9	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-708098/11	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MRL 400-708098/10	Lab Control Sample	Total/NA	Water	SM 4500 F C	
400-275207-1 MSD	MW-D1-20250429	Total/NA	Water	SM 4500 F C	
400-275223-B-3 DU	Duplicate	Total/NA	Water	SM 4500 F C	

Analysis Batch: 708576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275207-1	MW-D1-20250429	Total/NA	Water	SM 4500 SO4 E	
400-275207-2	MW-D2-20250429	Total/NA	Water	SM 4500 SO4 E	
400-275207-3	MW-D3-20250429	Total/NA	Water	SM 4500 SO4 E	
400-275207-4	DUP-24-20250429	Total/NA	Water	SM 4500 SO4 E	
MB 400-708576/12	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-708576/13	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-708576/14	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
240-223608-A-5 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
240-223608-A-5 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 708680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275207-1	MW-D1-20250429	Total/NA	Water	SM 4500 CI- E	
400-275207-2	MW-D2-20250429	Total/NA	Water	SM 4500 CI- E	
400-275207-3	MW-D3-20250429	Total/NA	Water	SM 4500 CI- E	
400-275207-4	DUP-24-20250429	Total/NA	Water	SM 4500 CI- E	
MB 400-708680/13	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 400-708680/14	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	
MRL 400-708680/15	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	
400-275211-B-2 MS	Matrix Spike	Total/NA	Water	SM 4500 CI- E	
400-275211-B-2 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 CI- E	

QC Association Summary

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

Job ID: 400-275207-1

Field Service / Mobile Lab

Analysis Batch: 708168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275207-1	MW-D1-20250429	Total/NA	Water	Field Sampling	
400-275207-2	MW-D2-20250429	Total/NA	Water	Field Sampling	
400-275207-3	MW-D3-20250429	Total/NA	Water	Field Sampling	

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

QC Sample Results

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

Job ID: 400-275207-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-881808/1-A
Matrix: Water
Analysis Batch: 881880

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 881808

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	ND		0.0025	0.00034	mg/L		05/05/25 05:26	05/05/25 17:27	1
Arsenic	ND		0.0013	0.00086	mg/L		05/05/25 05:26	05/05/25 17:27	1
Barium	ND		0.0025	0.00089	mg/L		05/05/25 05:26	05/05/25 17:27	1
Beryllium	ND		0.0020	0.00020	mg/L		05/05/25 05:26	05/05/25 17:27	1
Boron	ND		0.050	0.022	mg/L		05/05/25 05:26	05/05/25 17:27	1
Cadmium	ND		0.0010	0.000078	mg/L		05/05/25 05:26	05/05/25 17:27	1
Calcium	ND		0.25	0.14	mg/L		05/05/25 05:26	05/05/25 17:27	1
Chromium	ND		0.0025	0.0012	mg/L		05/05/25 05:26	05/05/25 17:27	1
Cobalt	ND		0.0025	0.00022	mg/L		05/05/25 05:26	05/05/25 17:27	1
Lead	ND		0.0013	0.00021	mg/L		05/05/25 05:26	05/05/25 17:27	1
Molybdenum	ND		0.010	0.00086	mg/L		05/05/25 05:26	05/05/25 17:27	1
Selenium	ND		0.0013	0.00099	mg/L		05/05/25 05:26	05/05/25 17:27	1
Thallium	ND		0.00050	0.00026	mg/L		05/05/25 05:26	05/05/25 17:27	1

Lab Sample ID: MB 680-881808/1-A
Matrix: Water
Analysis Batch: 881964

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 881808

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lithium	ND		0.0025	0.0020	mg/L		05/05/25 05:26	05/07/25 08:41	1

Lab Sample ID: LCS 680-881808/2-A
Matrix: Water
Analysis Batch: 881880

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 881808

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.102		mg/L		102	80 - 120
Barium	0.100	0.102		mg/L		102	80 - 120
Beryllium	0.0500	0.0550		mg/L		110	80 - 120
Boron	0.400	0.409		mg/L		102	80 - 120
Cadmium	0.0500	0.0523		mg/L		105	80 - 120
Calcium	5.00	5.21		mg/L		104	80 - 120
Chromium	0.100	0.103		mg/L		103	80 - 120
Cobalt	0.0500	0.0547		mg/L		109	80 - 120
Lead	0.500	0.511		mg/L		102	80 - 120
Molybdenum	0.100	0.106		mg/L		106	80 - 120
Selenium	0.100	0.102		mg/L		102	80 - 120
Thallium	0.0500	0.0505		mg/L		101	80 - 120

Lab Sample ID: LCS 680-881808/2-A
Matrix: Water
Analysis Batch: 881964

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 881808

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits

QC Sample Results

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

Job ID: 400-275207-1

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

Lab Sample ID: 400-275207-3 MS
Matrix: Water
Analysis Batch: 881880

Client Sample ID: MW-D3-20250429
Prep Type: Total Recoverable
Prep Batch: 881808

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD
Antimony	ND		0.0500	0.0504		mg/L		101	75 - 125	
Arsenic	ND		0.100	0.0993		mg/L		99	75 - 125	
Barium	0.030		0.100	0.130		mg/L		100	75 - 125	
Beryllium	ND		0.0500	0.0545		mg/L		109	75 - 125	
Boron	0.12		0.400	0.506		mg/L		97	75 - 125	
Cadmium	ND		0.0500	0.0514		mg/L		103	75 - 125	
Calcium	57		5.00	60.5	4	mg/L		74	75 - 125	
Chromium	ND		0.100	0.0991		mg/L		99	75 - 125	
Cobalt	ND		0.0500	0.0524		mg/L		105	75 - 125	
Lead	ND		0.500	0.505		mg/L		101	75 - 125	
Molybdenum	0.0047	J	0.100	0.108		mg/L		103	75 - 125	
Selenium	ND		0.100	0.0984		mg/L		98	75 - 125	
Thallium	ND		0.0500	0.0499		mg/L		100	75 - 125	

Lab Sample ID: 400-275207-3 MS
Matrix: Water
Analysis Batch: 881964

Client Sample ID: MW-D3-20250429
Prep Type: Total Recoverable
Prep Batch: 881808

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD
Lithium	0.0021	J	0.500	0.496		mg/L		99	75 - 125	

Lab Sample ID: 400-275207-3 MSD
Matrix: Water
Analysis Batch: 881880

Client Sample ID: MW-D3-20250429
Prep Type: Total Recoverable
Prep Batch: 881808

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Antimony	ND		0.0500	0.0520		mg/L		104	75 - 125	3	20	
Arsenic	ND		0.100	0.102		mg/L		102	75 - 125	3	20	
Barium	0.030		0.100	0.133		mg/L		102	75 - 125	2	20	
Beryllium	ND		0.0500	0.0563		mg/L		113	75 - 125	3	20	
Boron	0.12		0.400	0.528		mg/L		103	75 - 125	4	20	
Cadmium	ND		0.0500	0.0529		mg/L		106	75 - 125	3	20	
Calcium	57		5.00	62.7	4	mg/L		118	75 - 125	4	20	
Chromium	ND		0.100	0.102		mg/L		102	75 - 125	3	20	
Cobalt	ND		0.0500	0.0542		mg/L		108	75 - 125	3	20	
Lead	ND		0.500	0.515		mg/L		103	75 - 125	2	20	
Molybdenum	0.0047	J	0.100	0.112		mg/L		107	75 - 125	3	20	
Selenium	ND		0.100	0.102		mg/L		102	75 - 125	3	20	
Thallium	ND		0.0500	0.0515		mg/L		103	75 - 125	3	20	

Lab Sample ID: 400-275207-3 MSD
Matrix: Water
Analysis Batch: 881964

Client Sample ID: MW-D3-20250429
Prep Type: Total Recoverable
Prep Batch: 881808

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Lithium	0.0021	J	0.500	0.496		mg/L		99	75 - 125	0	20	

QC Sample Results

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

Job ID: 400-275207-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-881859/1-A
Matrix: Water
Analysis Batch: 881883

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 881859

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000080	mg/L		05/05/25 12:59	05/05/25 16:46	1

Lab Sample ID: LCS 680-881859/2-A
Matrix: Water
Analysis Batch: 881883

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 881859

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00236		mg/L		94	80 - 120

Lab Sample ID: 400-275207-4 MS
Matrix: Water
Analysis Batch: 881883

Client Sample ID: DUP-24-20250429
Prep Type: Total/NA
Prep Batch: 881859

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00100	0.000943		mg/L		94	80 - 120

Lab Sample ID: 400-275207-4 MSD
Matrix: Water
Analysis Batch: 881883

Client Sample ID: DUP-24-20250429
Prep Type: Total/NA
Prep Batch: 881859

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00100	0.00105		mg/L		105	80 - 120	10	20

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

Lab Sample ID: MB 400-708010/1
Matrix: Water
Analysis Batch: 708010

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			05/03/25 16:40	1

Lab Sample ID: LCS 400-708010/2
Matrix: Water
Analysis Batch: 708010

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	260		mg/L		89	78 - 122

Lab Sample ID: 400-275207-1 DU
Matrix: Water
Analysis Batch: 708010

Client Sample ID: MW-D1-20250429
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	170		182	F3	mg/L		6	5

QC Sample Results

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

Job ID: 400-275207-1

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-708680/13
Matrix: Water
Analysis Batch: 708680

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			05/09/25 10:59	1

Lab Sample ID: LCS 400-708680/14
Matrix: Water
Analysis Batch: 708680

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	48.7		mg/L		97	90 - 110

Lab Sample ID: MRL 400-708680/15
Matrix: Water
Analysis Batch: 708680

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2.00	1.68	J	mg/L		84	50 - 150

Lab Sample ID: 400-275211-B-2 MS
Matrix: Water
Analysis Batch: 708680

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1.4	J	20.0	20.0		mg/L		100	73 - 120

Lab Sample ID: 400-275211-B-2 MSD
Matrix: Water
Analysis Batch: 708680

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1.4	J	20.0	21.6		mg/L		108	73 - 120	8	8

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-708098/9
Matrix: Water
Analysis Batch: 708098

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			05/05/25 12:07	1

Lab Sample ID: LCS 400-708098/11
Matrix: Water
Analysis Batch: 708098

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	4.92		mg/L		98	90 - 110

QC Sample Results

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

Job ID: 400-275207-1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: MRL 400-708098/10
Matrix: Water
Analysis Batch: 708098

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.100	0.103		mg/L		103	50 - 150

Lab Sample ID: 400-275207-1 MSD
Matrix: Water
Analysis Batch: 708098

Client Sample ID: MW-D1-20250429
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.11		1.00	1.13		mg/L		102	75 - 125	0	4

Lab Sample ID: 400-275223-B-3 DU
Matrix: Water
Analysis Batch: 708098

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Fluoride	0.092	J	0.0884	J	mg/L		4	4

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-708576/12
Matrix: Water
Analysis Batch: 708576

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		5.0	1.4	mg/L			05/08/25 13:37	1

Lab Sample ID: LCS 400-708576/13
Matrix: Water
Analysis Batch: 708576

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 400-708576/14
Matrix: Water
Analysis Batch: 708576

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	5.00	3.76	J	mg/L		75	50 - 150

Lab Sample ID: 240-223608-A-5 MS
Matrix: Water
Analysis Batch: 708576

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	45	J F1	10.0	48.0	J 4	mg/L		26	77 - 128

QC Sample Results

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

Job ID: 400-275207-1

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

Lab Sample ID: 240-223608-A-5 MSD

Matrix: Water


Analysis Batch: 708576

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	45	J F1	10.0	47.7	J 4	mg/L		24	77 - 128	1	5

Chain of Custody Record

Client Information		Lab PM: Whitmore, Cheyenne R		Carrier Tracking No(s): 400-134357-29334.1		COC No: 400-134357-29334.1	
Client Contact: Yongli Wang & Jacob Tracy		E-Mail: Cheyenne.Whitmore@et.eurofins.com		State of Origin: GA		Page: 1 of 1	
Company: Geosyntec Consultants Inc		PWSID:		Job #:		Preservation Codes: D - HNO3 N - None	
Address: 1255 Roberts Blvd, NW Suite 200		Due Date Requested:		Analysis Requested		 400-275207 Chain of Custody	
City: Kennesaw		TAT Requested (days): Standard		9315 Ra226, 9320 Ra228, Ra226Ra228 GPPC SM4500 Cl, F - Chloride 6020 - Sb, As, B, Ba, Be, Cd, Cr, Co, Li, Pb, Ti, Se, Mo 7470A - Mercury 2540C - Total Dissolved Solids 4500_F_C - Fluoride SM4500_SO4_E - Sulfate Field Sampling - Field pH			
State, Zip: GA, 30144		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Matrix		Special Instructions/Note:	
Phone: 770-371-6027		Purchase Order not required		Sample Type (C=Comp, G=grab)		pH = 7.49	
Email: dyifru@geosyntec.com		PO #: _____		Sample Time		pH = 6.88	
Project Name: CCR App.III/IV GW Monitoring Crisp Co		WO #: _____		Sample Date		pH = 7.48	
Site: Crisp County Power Commission		Project #: 40007960		Sample Date		JW JW JW JW	
		SSOW#: _____		Sample Date			
				Sample Date			
				Sample Date			
Sample Identification		Preservation Code		Deliverable		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
MW-D1 - 20250429		G		Water		<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal By Lab _____ Months	
MW-D2 - 20250429		G		Water		Special Instructions/QC Requirements:	
MW-D3 - 20250429		G		Water		<input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant	
DUP-24 - 20250429		G		Water		Deliverable Requested: I, II, III, IV, Other (specify) _____ Empty Kit Relinquished by: _____ Date: _____ Relinquished by: Yongli Wang Date/Time: 05/11/25 0731 Company: Geosyntec Relinquished by: _____ Date/Time: _____ Company: _____ Relinquished by: _____ Date/Time: _____ Company: _____ Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No.: _____ Cooler Temperature(s) °C and Other Remarks: 0.00C/128	



Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 400-275207-1

Login Number: 275207

List Source: Eurofins Pensacola

List Number: 1

Creator: Beecher (Roberts), Alexis J

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 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	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Accreditation/Certification Summary

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

Job ID: 400-275207-1

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	06-30-25
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
California	State	2510	06-30-25
Florida	NELAP	E81010	06-30-25
Georgia	State	E81010(FL)	06-30-25
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-25
Louisiana (All)	NELAP	30976	06-30-25
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	08-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-25
Tennessee	State	TN02907	06-30-25
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-25
USDA	US Federal Programs	FLGNV23001	01-08-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
Virginia	NELAP	460166	06-14-25
West Virginia DEP	State	136	03-31-26

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	06-30-25
ANAB	Dept. of Defense ELAP	L2463	09-22-26
Arkansas (DW)	State	GA00006	06-30-25
Arkansas DEQ	State	88-00692	02-09-26
Florida	NELAP	E87052	06-30-25
Georgia	State	E87052	06-30-25
Georgia (DW)	State	803	06-30-25
Hawaii	State	<cert No.>	06-30-25
Illinois	NELAP	200022	11-30-25
Iowa	State	353	07-01-25
Kentucky (UST)	State	108138	06-30-24 *
Louisiana (All)	NELAP	30690	06-30-25
Maine	State	GA00006	09-25-26
Maryland	State	250	12-31-25
Mississippi	State	<cert No.>	06-30-25
Nebraska	State	NE-OS-7-04	06-30-25
New Mexico	State	GA00006	06-30-25
North Carolina (DW)	State	13701	07-31-25
North Carolina (WW/SW)	State	269	12-31-25
Puerto Rico	State	GA00006	01-15-26
South Carolina	State	98001	06-30-25
Tennessee	State	TN02961	06-30-25

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

Accreditation/Certification Summary

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

Job ID: 400-275207-1

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
Texas	TCEQ Water Supply	T104704185	06-30-25
USDA	US Federal Programs	P330-18-00313	04-04-27
Virginia	NELAP	460161	06-14-25
Wyoming	State	8TMS-L	06-30-25

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/5/2025 7:33:31 PM

JOB DESCRIPTION

Crisp County Power Commission

JOB NUMBER

400-275207-2

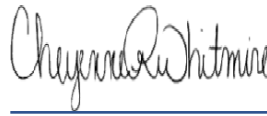
Eurofins Pensacola

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
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Method Summary

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

Job ID: 400-275207-2

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 Commission

Job ID: 400-275207-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-275207-1	MW-D1-20250429	Water	04/29/25 14:09	05/02/25 10:10
400-275207-2	MW-D2-20250429	Water	04/29/25 15:52	05/02/25 10:10
400-275207-3	MW-D3-20250429	Water	04/29/25 18:10	05/02/25 10:10
400-275207-4	DUP-24-20250429	Water	04/29/25 00:00	05/02/25 10:10

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Client Sample Results

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

Job ID: 400-275207-2

Client Sample ID: MW-D1-20250429

Lab Sample ID: 400-275207-1

Date Collected: 04/29/25 14:09

Matrix: Water

Date Received: 05/02/25 10:10

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0166	U	0.144	0.144	1.00	0.290	pCi/L	05/06/25 07:55	06/03/25 20:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.0		30 - 110					05/06/25 07:55	06/03/25 20:07	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	0.0445	U	0.362	0.362	1.00	0.660	pCi/L	05/06/25 08:02	06/03/25 11:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.0		30 - 110					05/06/25 08:02	06/03/25 11:52	1
Y Carrier	74.0		30 - 110					05/06/25 08:02	06/03/25 11:52	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	0.0610	U	0.390	0.390	5.00	0.660	pCi/L		06/04/25 12:19	1

Client Sample Results

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

Job ID: 400-275207-2

Client Sample ID: MW-D2-20250429

Lab Sample ID: 400-275207-2

Date Collected: 04/29/25 15:52

Matrix: Water

Date Received: 05/02/25 10:10

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0251	U	0.200	0.200	1.00	0.384	pCi/L	05/06/25 07:55	06/03/25 20:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		30 - 110					05/06/25 07:55	06/03/25 20:07	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	0.357	U	0.391	0.392	1.00	0.637	pCi/L	05/06/25 08:02	06/03/25 11:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		30 - 110					05/06/25 08:02	06/03/25 11:53	1
Y Carrier	77.0		30 - 110					05/06/25 08:02	06/03/25 11:53	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.382	U	0.439	0.440	5.00	0.637	pCi/L		06/04/25 12:19	1

Client Sample Results

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

Job ID: 400-275207-2

Client Sample ID: MW-D3-20250429

Lab Sample ID: 400-275207-3

Date Collected: 04/29/25 18:10

Matrix: Water

Date Received: 05/02/25 10:10

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.152	U	0.186	0.187	1.00	0.307	pCi/L	05/06/25 07:55	06/03/25 20:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.5		30 - 110					05/06/25 07:55	06/03/25 20:07	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	0.561	U	0.415	0.418	1.00	0.638	pCi/L	05/06/25 08:02	06/03/25 11:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.5		30 - 110					05/06/25 08:02	06/03/25 11:53	1
Y Carrier	81.5		30 - 110					05/06/25 08:02	06/03/25 11:53	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.712		0.455	0.458	5.00	0.638	pCi/L		06/04/25 12:19	1

Client Sample Results

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

Job ID: 400-275207-2

Client Sample ID: DUP-24-20250429

Lab Sample ID: 400-275207-4

Date Collected: 04/29/25 00:00

Matrix: Water

Date Received: 05/02/25 10:10

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0810	U	0.106	0.106	1.00	0.288	pCi/L	05/06/25 07:55	06/03/25 20:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.1		30 - 110					05/06/25 07:55	06/03/25 20:08	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.141	U	0.443	0.443	1.00	0.781	pCi/L	05/06/25 08:02	06/03/25 11:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.1		30 - 110					05/06/25 08:02	06/03/25 11:53	1
Y Carrier	78.9		30 - 110					05/06/25 08:02	06/03/25 11:53	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.0602	U	0.456	0.456	5.00	0.781	pCi/L		06/04/25 12:19	1

Definitions/Glossary

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

Job ID: 400-275207-2

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 Commission

Job ID: 400-275207-2

Client Sample ID: MW-D1-20250429

Lab Sample ID: 400-275207-1

Date Collected: 04/29/25 14:09

Matrix: Water

Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			716183	OGC	EET SL	05/06/25 07:55
Total/NA	Analysis	9315		1	720467	FLC	EET SL	06/03/25 20:07
Total/NA	Prep	PrecSep_0			716185	OGC	EET SL	05/06/25 08:02
Total/NA	Analysis	9320		1	720474	FLC	EET SL	06/03/25 11:52
Total/NA	Analysis	Ra226_Ra228		1	720797	SCB	EET SL	06/04/25 12:19

Client Sample ID: MW-D2-20250429

Lab Sample ID: 400-275207-2

Date Collected: 04/29/25 15:52

Matrix: Water

Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			716183	OGC	EET SL	05/06/25 07:55
Total/NA	Analysis	9315		1	720467	FLC	EET SL	06/03/25 20:07
Total/NA	Prep	PrecSep_0			716185	OGC	EET SL	05/06/25 08:02
Total/NA	Analysis	9320		1	720468	FLC	EET SL	06/03/25 11:53
Total/NA	Analysis	Ra226_Ra228		1	720797	SCB	EET SL	06/04/25 12:19

Client Sample ID: MW-D3-20250429

Lab Sample ID: 400-275207-3

Date Collected: 04/29/25 18:10

Matrix: Water

Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			716183	OGC	EET SL	05/06/25 07:55
Total/NA	Analysis	9315		1	720467	FLC	EET SL	06/03/25 20:07
Total/NA	Prep	PrecSep_0			716185	OGC	EET SL	05/06/25 08:02
Total/NA	Analysis	9320		1	720468	FLC	EET SL	06/03/25 11:53
Total/NA	Analysis	Ra226_Ra228		1	720797	SCB	EET SL	06/04/25 12:19

Client Sample ID: DUP-24-20250429

Lab Sample ID: 400-275207-4

Date Collected: 04/29/25 00:00

Matrix: Water

Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			716183	OGC	EET SL	05/06/25 07:55
Total/NA	Analysis	9315		1	720467	FLC	EET SL	06/03/25 20:08
Total/NA	Prep	PrecSep_0			716185	OGC	EET SL	05/06/25 08:02
Total/NA	Analysis	9320		1	720468	FLC	EET SL	06/03/25 11:53
Total/NA	Analysis	Ra226_Ra228		1	720797	SCB	EET SL	06/04/25 12:19

Laboratory References:

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

QC Association Summary

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

Job ID: 400-275207-2

Rad

Prep Batch: 716183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275207-1	MW-D1-20250429	Total/NA	Water	PrecSep-21	
400-275207-2	MW-D2-20250429	Total/NA	Water	PrecSep-21	
400-275207-3	MW-D3-20250429	Total/NA	Water	PrecSep-21	
400-275207-4	DUP-24-20250429	Total/NA	Water	PrecSep-21	
MB 160-716183/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-716183/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-267632-AQ-5-A DU	Duplicate	Total/NA	Water	PrecSep-21	

Prep Batch: 716185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275207-1	MW-D1-20250429	Total/NA	Water	PrecSep_0	
400-275207-2	MW-D2-20250429	Total/NA	Water	PrecSep_0	
400-275207-3	MW-D3-20250429	Total/NA	Water	PrecSep_0	
400-275207-4	DUP-24-20250429	Total/NA	Water	PrecSep_0	
MB 160-716185/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-716185/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-267632-AQ-5-B DU	Duplicate	Total/NA	Water	PrecSep_0	

QC Sample Results

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

Job ID: 400-275207-2

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-716183/1-A
Matrix: Water
Analysis Batch: 720473

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 716183

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.2029	U	0.194	0.195	1.00	0.296	pCi/L	05/06/25 07:55	06/03/25 20:06	1
Carrier	MB	MB	Limits			Prepared	Analyzed	Dil Fac		
	%Yield	Qualifier								
Ba Carrier	86.6		30 - 110			05/06/25 07:55	06/03/25 20:06	1		

Lab Sample ID: LCS 160-716183/2-A
Matrix: Water
Analysis Batch: 720473

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716183

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	9.58	8.885		1.20	1.00	0.389	pCi/L	93	75 - 125
Carrier	LCS	LCS	Limits			Prepared	Analyzed	Dil Fac	
	%Yield	Qualifier							
Ba Carrier	92.0		30 - 110						

Lab Sample ID: 500-267632-AQ-5-A DU
Matrix: Water
Analysis Batch: 720467

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 716183

Analyte	Sample	Sample	DU	DU	Total	RL	MDC	Unit	RER	RER Limit
	Result	Qual	Result	Qual	Uncert. (2σ+/-)					
Radium-226	0.540		0.5347		0.256	1.00	0.283	pCi/L	0.01	1
Carrier	DU	DU	Limits			Prepared	Analyzed	Dil Fac		
	%Yield	Qualifier								
Ba Carrier	90.5		30 - 110							

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-716185/1-A
Matrix: Water
Analysis Batch: 720474

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 716185

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	0.1763	U	0.360	0.360	1.00	0.624	pCi/L	05/06/25 08:02	06/03/25 11:50	1
Carrier	MB	MB	Limits			Prepared	Analyzed	Dil Fac		
	%Yield	Qualifier								
Ba Carrier	86.6		30 - 110			05/06/25 08:02	06/03/25 11:50	1		
Y Carrier	78.9		30 - 110			05/06/25 08:02	06/03/25 11:50	1		

QC Sample Results

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

Job ID: 400-275207-2

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

Lab Sample ID: LCS 160-716185/2-A
Matrix: Water
Analysis Batch: 720474

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716185

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	
										Radium-228
LCS LCS										
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	92.0		30 - 110							
Y Carrier	77.0		30 - 110							

Lab Sample ID: 500-267632-AQ-5-B DU
Matrix: Water
Analysis Batch: 720474

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 716185

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
DU DU										
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	90.5		30 - 110							
Y Carrier	75.5		30 - 110							

Chain of Custody Record

Client Information		Sampler: Yongli Wang & Jacob Tracy		Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s): 400-134357-29334.1	
Client Contact: Dawit Yifru		Phone: 515-708-3635		E-Mail: Cheyenne.Whitmire@et.eurofins.com	State of Origin: GA	
Company: Geosyntec Consultants Inc		PWSID:		Job #: 400-275207 Chain of Custody		
Address: 1255 Roberts Blvd, NW Suite 200		Due Date Requested:		Preservation Codes: D - HNO3 N - None		
City: Kennesaw		TAT Requested (days): Standard		Barcode: 400-275207 Chain of Custody		
State, Zip: GA, 30144		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Phone: 770-371-6027		PO #: Purchase Order not required				
Email: dyifru@geosyntec.com		WC #:				
Project Name: CCR App.III/IV GW Monitoring Crisp Co		Project #: 40007960				
Site: Crisp County Power Commission		SSOW#:				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/soil, BT=tissue, A=air)	Analysis Requested												Special Instructions/Note:
					9315_Ra226_9320_Ra228_Ra226Ra228_GFPc	SM4500_Cl_F - Chloride	6020 - Sb,As,Ba,Be,Ca,Cd,Cr,Cu,LI,Pb,Tl,Se,Mo	7470A - Mercury	2540C - Total Dissolved Solids	4500_F_C - Fluoride	SM4500_SO4_E - Sulfate	Field Sampling - Field pH					
MW-D1 - 20250429	04/29/25	1409	G	Water	N	X	X	X	X	X	X	X	X	X	X	X	pH = 7.49
MW-D2 - 20250429	04/29/25	1552	G	Water	N	X	X	X	X	X	X	X	X	X	X	X	pH = 6.88
MW-D3 - 20250429	04/29/25	1810	G	Water	N	X	X	X	X	X	X	X	X	X	X	X	pH = 7.48
DUP-24 - 20250429	04/29/25	0000	G	Water	N	X	X	X	X	X	X	X	X	X	X	X	
<i>Yifru</i>																	

<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Deliverable Requested: I, II, III, IV, Other (specify)	
Empty Kit Relinquished by: <i>Yongli Wang</i>		Date: 05/11/25 0731	
Relinquished by: <i>Yongli Wang</i>		Date/Time: 05/11/25 0731	
Relinquished by:		Date/Time:	
Relinquished by:		Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:	

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab		Archive For: _____ Months	
Special Instructions/QC Requirements:		Method of Shipment:	
Received by: <i>Yifru</i>		Date/Time: 5-2-25 1010	
Received by:		Date/Time:	
Received by:		Date/Time:	
Cooler Temperature(s) °C and Other Remarks: <i>0.00C/128</i>		Company:	



Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 400-275207-2

Login Number: 275207

List Source: Eurofins Pensacola

List Number: 1

Creator: Beecher (Roberts), Alexis J

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 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	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.



Accreditation/Certification Summary

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

Job ID: 400-275207-2

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	05-06-27
ANAB	Dept. of Defense ELAP	L2305	04-06-27
ANAB	Dept. of Energy	L2305.01	04-06-27
ANAB	ISO/IEC 17025	L2305	04-06-27
Arizona	State	AZ0813	12-08-25
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-25
Connecticut	State	PH-0241	03-31-27
Florida	NELAP	E87689	06-30-25
HI - RadChem Recognition	State	n/a	06-30-25
Illinois	NELAP	200023	11-30-25
Iowa	State	373	12-01-26
Kansas	NELAP	E-10236	10-31-25
Kentucky (DW)	State	KY90125	12-31-25
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-25
Louisiana (All)	NELAP	106151	06-30-25
Louisiana (DW)	State	LA011	12-31-25
Maryland	State	310	09-30-25
Massachusetts	State	M-MO054	06-30-25
MI - RadChem Recognition	State	9005	06-30-25
Missouri	State	780	06-30-25
Nevada	State	MO00054	07-31-25
New Jersey	NELAP	MO002	06-30-25
New Mexico	State	MO00054	06-30-25
New York	NELAP	11616	03-31-26
North Carolina (DW)	State	29700	07-31-25
North Dakota	State	R-207	06-30-25
Oklahoma	NELAP	9997	08-31-25
Oregon	NELAP	4157	09-01-25
Pennsylvania	NELAP	68-00540	02-28-26
South Carolina	State	85002	06-30-25
Texas	NELAP	T104704193	07-31-25
US Fish & Wildlife	US Federal Programs	058448	07-31-25
USDA	US Federal Programs	525-23-138-94730	05-18-26
Utah	NELAP	MO00054	07-31-25
Virginia	NELAP	460230	06-14-25
Washington	State	C592	08-30-25
West Virginia DEP	State	381	10-31-25

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/13/2025 8:44:15 PM

JOB DESCRIPTION

Crisp County Power Commission

JOB NUMBER

400-275211-1

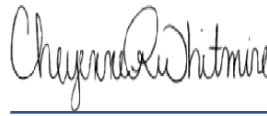
Eurofins Pensacola

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
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(850)471-6222



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Case Narrative

Client: Geosyntec Consultants Inc
Project: Crisp County Power Commission

Job ID: 400-275211-1

Job ID: 400-275211-1

Eurofins Pensacola

Job Narrative 400-275211-1

Receipt

The samples were received on 5/2/2025 10:10 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.0° C.

General Chemistry

Method SM 2540C: The sample duplicate (DUP) precision for analytical batch 400-708010 was outside control limits. Sample non-homogeneity is suspected.

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



Detection Summary

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

Job ID: 400-275211-1

Client Sample ID: MW-U1-20250429

Lab Sample ID: 400-275211-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0020	J	0.0025	0.00089	mg/L	1		6020B	Total Recoverable
Calcium	38		0.25	0.14	mg/L	1		6020B	Total Recoverable
Chromium	0.0013	J	0.0025	0.0012	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	110		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	0.060	J	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Field pH	7.89				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-U2-20250429

Lab Sample ID: 400-275211-2

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	13		0.25	0.14	mg/L	1		6020B	Total Recoverable
Lithium	0.0021	J	0.0025	0.0020	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	66		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	1.4	J	2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.038	J	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	19		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	7.17				SU	1		Field Sampling	Total/NA

Client Sample ID: EB-20250430

Lab Sample ID: 400-275211-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0031		0.0025	0.0020	mg/L	1		6020B	Total Recoverable

Client Sample ID: FB-20250430

Lab Sample ID: 400-275211-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.0030		0.0025	0.0020	mg/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

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

Job ID: 400-275211-1

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 Commission

Job ID: 400-275211-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-275211-1	MW-U1-20250429	Water	04/29/25 12:28	05/02/25 10:10
400-275211-2	MW-U2-20250429	Water	04/29/25 12:22	05/02/25 10:10
400-275211-3	EB-20250430	Water	04/30/25 11:48	05/02/25 10:10
400-275211-4	FB-20250430	Water	04/30/25 11:37	05/02/25 10:10

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

Client Sample Results

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

Job ID: 400-275211-1

Client Sample ID: MW-U1-20250429

Lab Sample ID: 400-275211-1

Date Collected: 04/29/25 12:28

Matrix: Water

Date Received: 05/02/25 10:10

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		05/05/25 05:26	05/05/25 17:58	1
Arsenic	ND		0.0013	0.00086	mg/L		05/05/25 05:26	05/05/25 17:58	1
Barium	0.0020	J	0.0025	0.00089	mg/L		05/05/25 05:26	05/05/25 17:58	1
Beryllium	ND		0.0020	0.00020	mg/L		05/05/25 05:26	05/05/25 17:58	1
Boron	ND		0.050	0.022	mg/L		05/05/25 05:26	05/05/25 17:58	1
Cadmium	ND		0.0010	0.000078	mg/L		05/05/25 05:26	05/05/25 17:58	1
Calcium	38		0.25	0.14	mg/L		05/05/25 05:26	05/05/25 17:58	1
Chromium	0.0013	J	0.0025	0.0012	mg/L		05/05/25 05:26	05/05/25 17:58	1
Cobalt	ND		0.0025	0.00022	mg/L		05/05/25 05:26	05/05/25 17:58	1
Lead	ND		0.0013	0.00021	mg/L		05/05/25 05:26	05/05/25 17:58	1
Lithium	ND		0.0025	0.0020	mg/L		05/05/25 05:26	05/07/25 09:08	1
Molybdenum	ND		0.010	0.00086	mg/L		05/05/25 05:26	05/05/25 17:58	1
Selenium	ND		0.0013	0.00099	mg/L		05/05/25 05:26	05/05/25 17:58	1
Thallium	ND		0.00050	0.00026	mg/L		05/05/25 05:26	05/05/25 17:58	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		05/05/25 12:59	05/05/25 17:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	110		5.0	5.0	mg/L			05/03/25 16:40	1
Chloride (SM 4500 Cl- E)	1.6	J	2.0	1.4	mg/L			05/09/25 11:05	1
Fluoride (SM 4500 F C)	0.060	J	0.10	0.022	mg/L			05/05/25 12:30	1
Sulfate (SM 4500 SO4 E)	ND		5.0	1.4	mg/L			05/08/25 13:47	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.89				SU			04/29/25 11:28	1

Client Sample Results

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

Job ID: 400-275211-1

Client Sample ID: MW-U2-20250429

Lab Sample ID: 400-275211-2

Date Collected: 04/29/25 12:22

Matrix: Water

Date Received: 05/02/25 10:10

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		05/05/25 05:26	05/05/25 18:00	1
Arsenic	ND		0.0013	0.00086	mg/L		05/05/25 05:26	05/05/25 18:00	1
Barium	0.011		0.0025	0.00089	mg/L		05/05/25 05:26	05/05/25 18:00	1
Beryllium	ND		0.0020	0.00020	mg/L		05/05/25 05:26	05/05/25 18:00	1
Boron	ND		0.050	0.022	mg/L		05/05/25 05:26	05/05/25 18:00	1
Cadmium	ND		0.0010	0.000078	mg/L		05/05/25 05:26	05/05/25 18:00	1
Calcium	13		0.25	0.14	mg/L		05/05/25 05:26	05/05/25 18:00	1
Chromium	ND		0.0025	0.0012	mg/L		05/05/25 05:26	05/05/25 18:00	1
Cobalt	ND		0.0025	0.00022	mg/L		05/05/25 05:26	05/05/25 18:00	1
Lead	ND		0.0013	0.00021	mg/L		05/05/25 05:26	05/05/25 18:00	1
Lithium	0.0021	J	0.0025	0.0020	mg/L		05/05/25 05:26	05/07/25 09:10	1
Molybdenum	ND		0.010	0.00086	mg/L		05/05/25 05:26	05/05/25 18:00	1
Selenium	ND		0.0013	0.00099	mg/L		05/05/25 05:26	05/05/25 18:00	1
Thallium	ND		0.00050	0.00026	mg/L		05/05/25 05:26	05/05/25 18:00	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		05/05/25 12:59	05/05/25 17:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	66		5.0	5.0	mg/L			05/03/25 16:40	1
Chloride (SM 4500 Cl- E)	1.4	J	2.0	1.4	mg/L			05/09/25 11:04	1
Fluoride (SM 4500 F C)	0.038	J	0.10	0.022	mg/L			05/05/25 12:33	1
Sulfate (SM 4500 SO4 E)	19		5.0	1.4	mg/L			05/08/25 13:48	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.17				SU			04/29/25 11:22	1

Client Sample Results

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

Job ID: 400-275211-1

Client Sample ID: EB-20250430

Lab Sample ID: 400-275211-3

Date Collected: 04/30/25 11:48

Matrix: Water

Date Received: 05/02/25 10:10

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		05/05/25 05:26	05/05/25 17:47	1
Arsenic	ND		0.0013	0.00086	mg/L		05/05/25 05:26	05/05/25 17:47	1
Barium	ND		0.0025	0.00089	mg/L		05/05/25 05:26	05/05/25 17:47	1
Beryllium	ND		0.0020	0.00020	mg/L		05/05/25 05:26	05/05/25 17:47	1
Boron	ND		0.050	0.022	mg/L		05/05/25 05:26	05/05/25 17:47	1
Cadmium	ND		0.0010	0.000078	mg/L		05/05/25 05:26	05/05/25 17:47	1
Calcium	ND		0.25	0.14	mg/L		05/05/25 05:26	05/05/25 17:47	1
Chromium	ND		0.0025	0.0012	mg/L		05/05/25 05:26	05/05/25 17:47	1
Cobalt	ND		0.0025	0.00022	mg/L		05/05/25 05:26	05/05/25 17:47	1
Lead	ND		0.0013	0.00021	mg/L		05/05/25 05:26	05/05/25 17:47	1
Lithium	0.0031		0.0025	0.0020	mg/L		05/05/25 05:26	05/07/25 09:00	1
Molybdenum	ND		0.010	0.00086	mg/L		05/05/25 05:26	05/05/25 17:47	1
Selenium	ND		0.0013	0.00099	mg/L		05/05/25 05:26	05/05/25 17:47	1
Thallium	ND		0.00050	0.00026	mg/L		05/05/25 05:26	05/05/25 17:47	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		05/05/25 12:59	05/05/25 17:21	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			05/03/25 16:40	1
Chloride (SM 4500 Cl- E)	ND		2.0	1.4	mg/L			05/09/25 11:03	1
Fluoride (SM 4500 F C)	ND		0.10	0.022	mg/L			05/05/25 12:36	1
Sulfate (SM 4500 SO4 E)	ND		5.0	1.4	mg/L			05/08/25 13:48	1

Client Sample Results

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

Job ID: 400-275211-1

Client Sample ID: FB-20250430

Lab Sample ID: 400-275211-4

Date Collected: 04/30/25 11:37

Matrix: Water

Date Received: 05/02/25 10:10

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		05/05/25 05:26	05/05/25 17:50	1
Arsenic	ND		0.0013	0.00086	mg/L		05/05/25 05:26	05/05/25 17:50	1
Barium	ND		0.0025	0.00089	mg/L		05/05/25 05:26	05/05/25 17:50	1
Beryllium	ND		0.0020	0.00020	mg/L		05/05/25 05:26	05/05/25 17:50	1
Boron	ND		0.050	0.022	mg/L		05/05/25 05:26	05/05/25 17:50	1
Cadmium	ND		0.0010	0.000078	mg/L		05/05/25 05:26	05/05/25 17:50	1
Calcium	ND		0.25	0.14	mg/L		05/05/25 05:26	05/05/25 17:50	1
Chromium	ND		0.0025	0.0012	mg/L		05/05/25 05:26	05/05/25 17:50	1
Cobalt	ND		0.0025	0.00022	mg/L		05/05/25 05:26	05/05/25 17:50	1
Lead	ND		0.0013	0.00021	mg/L		05/05/25 05:26	05/05/25 17:50	1
Lithium	0.0030		0.0025	0.0020	mg/L		05/05/25 05:26	05/07/25 09:06	1
Molybdenum	ND		0.010	0.00086	mg/L		05/05/25 05:26	05/05/25 17:50	1
Selenium	ND		0.0013	0.00099	mg/L		05/05/25 05:26	05/05/25 17:50	1
Thallium	ND		0.00050	0.00026	mg/L		05/05/25 05:26	05/05/25 17:50	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		05/05/25 12:59	05/05/25 17:14	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			05/03/25 16:40	1
Chloride (SM 4500 Cl- E)	ND		2.0	1.4	mg/L			05/09/25 11:02	1
Fluoride (SM 4500 F C)	ND		0.10	0.022	mg/L			05/05/25 12:39	1
Sulfate (SM 4500 SO4 E)	ND		5.0	1.4	mg/L			05/08/25 13:49	1

Definitions/Glossary

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

Job ID: 400-275211-1

Qualifiers

Metals

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

General Chemistry

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F3	Duplicate RPD exceeds the control limit
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 Commission

Job ID: 400-275211-1

Client Sample ID: MW-U1-20250429

Lab Sample ID: 400-275211-1

Date Collected: 04/29/25 12:28

Matrix: Water

Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			881808	RR	EET SAV	05/05/25 05:26
Total Recoverable	Analysis	6020B		1	881880	BWR	EET SAV	05/05/25 17:58
Total Recoverable	Prep	3005A			881808	RR	EET SAV	05/05/25 05:26
Total Recoverable	Analysis	6020B		1	881964	BWR	EET SAV	05/07/25 09:08
Total/NA	Prep	7470A			881859	MG	EET SAV	05/05/25 12:59
Total/NA	Analysis	7470A		1	881883	BJB	EET SAV	05/05/25 17:12
Total/NA	Analysis	SM 2540C		1	708010	EJT	EET PEN	05/03/25 16:40
Total/NA	Analysis	SM 4500 CI- E		1	708680	CJK	EET PEN	05/09/25 11:05
Total/NA	Analysis	SM 4500 F C		1	708098	JP	EET PEN	05/05/25 12:30
Total/NA	Analysis	SM 4500 SO4 E		1	708576	CJK	EET PEN	05/08/25 13:47
Total/NA	Analysis	Field Sampling		1	708168	CJ	EET PEN	04/29/25 11:28

Client Sample ID: MW-U2-20250429

Lab Sample ID: 400-275211-2

Date Collected: 04/29/25 12:22

Matrix: Water

Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			881808	RR	EET SAV	05/05/25 05:26
Total Recoverable	Analysis	6020B		1	881880	BWR	EET SAV	05/05/25 18:00
Total Recoverable	Prep	3005A			881808	RR	EET SAV	05/05/25 05:26
Total Recoverable	Analysis	6020B		1	881964	BWR	EET SAV	05/07/25 09:10
Total/NA	Prep	7470A			881859	MG	EET SAV	05/05/25 12:59
Total/NA	Analysis	7470A		1	881883	BJB	EET SAV	05/05/25 17:02
Total/NA	Analysis	SM 2540C		1	708010	EJT	EET PEN	05/03/25 16:40
Total/NA	Analysis	SM 4500 CI- E		1	708680	CJK	EET PEN	05/09/25 11:04
Total/NA	Analysis	SM 4500 F C		1	708098	JP	EET PEN	05/05/25 12:33
Total/NA	Analysis	SM 4500 SO4 E		1	708576	CJK	EET PEN	05/08/25 13:48
Total/NA	Analysis	Field Sampling		1	708168	CJ	EET PEN	04/29/25 11:22

Client Sample ID: EB-20250430

Lab Sample ID: 400-275211-3

Date Collected: 04/30/25 11:48

Matrix: Water

Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			881808	RR	EET SAV	05/05/25 05:26
Total Recoverable	Analysis	6020B		1	881880	BWR	EET SAV	05/05/25 17:47
Total Recoverable	Prep	3005A			881808	RR	EET SAV	05/05/25 05:26
Total Recoverable	Analysis	6020B		1	881964	BWR	EET SAV	05/07/25 09:00
Total/NA	Prep	7470A			881859	MG	EET SAV	05/05/25 12:59
Total/NA	Analysis	7470A		1	881883	BJB	EET SAV	05/05/25 17:21
Total/NA	Analysis	SM 2540C		1	708010	EJT	EET PEN	05/03/25 16:40
Total/NA	Analysis	SM 4500 CI- E		1	708680	CJK	EET PEN	05/09/25 11:03
Total/NA	Analysis	SM 4500 F C		1	708098	JP	EET PEN	05/05/25 12:36

Lab Chronicle

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

Job ID: 400-275211-1

Client Sample ID: EB-20250430

Lab Sample ID: 400-275211-3

Date Collected: 04/30/25 11:48

Matrix: Water

Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 SO4 E		1	708576	CJK	EET PEN	05/08/25 13:48

Client Sample ID: FB-20250430

Lab Sample ID: 400-275211-4

Date Collected: 04/30/25 11:37

Matrix: Water

Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			881808	RR	EET SAV	05/05/25 05:26
Total Recoverable	Analysis	6020B		1	881880	BWR	EET SAV	05/05/25 17:50
Total Recoverable	Prep	3005A			881808	RR	EET SAV	05/05/25 05:26
Total Recoverable	Analysis	6020B		1	881964	BWR	EET SAV	05/07/25 09:06
Total/NA	Prep	7470A			881859	MG	EET SAV	05/05/25 12:59
Total/NA	Analysis	7470A		1	881883	BJB	EET SAV	05/05/25 17:14
Total/NA	Analysis	SM 2540C		1	708010	EJT	EET PEN	05/03/25 16:40
Total/NA	Analysis	SM 4500 CI- E		1	708680	CJK	EET PEN	05/09/25 11:02
Total/NA	Analysis	SM 4500 F C		1	708098	JP	EET PEN	05/05/25 12:39
Total/NA	Analysis	SM 4500 SO4 E		1	708576	CJK	EET PEN	05/08/25 13:49

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

QC Association Summary

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

Job ID: 400-275211-1

Metals

Prep Batch: 881808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275211-1	MW-U1-20250429	Total Recoverable	Water	3005A	
400-275211-2	MW-U2-20250429	Total Recoverable	Water	3005A	
400-275211-3	EB-20250430	Total Recoverable	Water	3005A	
400-275211-4	FB-20250430	Total Recoverable	Water	3005A	
MB 680-881808/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-881808/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
400-275207-C-3-B MS	Matrix Spike	Total Recoverable	Water	3005A	
400-275207-C-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 881859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275211-1	MW-U1-20250429	Total/NA	Water	7470A	
400-275211-2	MW-U2-20250429	Total/NA	Water	7470A	
400-275211-3	EB-20250430	Total/NA	Water	7470A	
400-275211-4	FB-20250430	Total/NA	Water	7470A	
MB 680-881859/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-881859/2-A	Lab Control Sample	Total/NA	Water	7470A	
400-275207-C-4-C MS	Matrix Spike	Total/NA	Water	7470A	
400-275207-C-4-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 881880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275211-1	MW-U1-20250429	Total Recoverable	Water	6020B	881808
400-275211-2	MW-U2-20250429	Total Recoverable	Water	6020B	881808
400-275211-3	EB-20250430	Total Recoverable	Water	6020B	881808
400-275211-4	FB-20250430	Total Recoverable	Water	6020B	881808
MB 680-881808/1-A	Method Blank	Total Recoverable	Water	6020B	881808
LCS 680-881808/2-A	Lab Control Sample	Total Recoverable	Water	6020B	881808
400-275207-C-3-B MS	Matrix Spike	Total Recoverable	Water	6020B	881808
400-275207-C-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	881808

Analysis Batch: 881883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275211-1	MW-U1-20250429	Total/NA	Water	7470A	881859
400-275211-2	MW-U2-20250429	Total/NA	Water	7470A	881859
400-275211-3	EB-20250430	Total/NA	Water	7470A	881859
400-275211-4	FB-20250430	Total/NA	Water	7470A	881859
MB 680-881859/1-A	Method Blank	Total/NA	Water	7470A	881859
LCS 680-881859/2-A	Lab Control Sample	Total/NA	Water	7470A	881859
400-275207-C-4-C MS	Matrix Spike	Total/NA	Water	7470A	881859
400-275207-C-4-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	881859

Analysis Batch: 881964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275211-1	MW-U1-20250429	Total Recoverable	Water	6020B	881808
400-275211-2	MW-U2-20250429	Total Recoverable	Water	6020B	881808
400-275211-3	EB-20250430	Total Recoverable	Water	6020B	881808
400-275211-4	FB-20250430	Total Recoverable	Water	6020B	881808
MB 680-881808/1-A	Method Blank	Total Recoverable	Water	6020B	881808
LCS 680-881808/2-A	Lab Control Sample	Total Recoverable	Water	6020B	881808
400-275207-C-3-B MS	Matrix Spike	Total Recoverable	Water	6020B	881808

Eurofins Pensacola

QC Association Summary

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

Job ID: 400-275211-1

Metals (Continued)

Analysis Batch: 881964 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275207-C-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	881808

General Chemistry

Analysis Batch: 708010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275211-1	MW-U1-20250429	Total/NA	Water	SM 2540C	
400-275211-2	MW-U2-20250429	Total/NA	Water	SM 2540C	
400-275211-3	EB-20250430	Total/NA	Water	SM 2540C	
400-275211-4	FB-20250430	Total/NA	Water	SM 2540C	
MB 400-708010/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-708010/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-275207-B-1 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 708098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275211-1	MW-U1-20250429	Total/NA	Water	SM 4500 F C	
400-275211-2	MW-U2-20250429	Total/NA	Water	SM 4500 F C	
400-275211-3	EB-20250430	Total/NA	Water	SM 4500 F C	
400-275211-4	FB-20250430	Total/NA	Water	SM 4500 F C	
MB 400-708098/9	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-708098/11	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MRL 400-708098/10	Lab Control Sample	Total/NA	Water	SM 4500 F C	
400-275223-B-3 DU	Duplicate	Total/NA	Water	SM 4500 F C	

Analysis Batch: 708576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275211-1	MW-U1-20250429	Total/NA	Water	SM 4500 SO4 E	
400-275211-2	MW-U2-20250429	Total/NA	Water	SM 4500 SO4 E	
400-275211-3	EB-20250430	Total/NA	Water	SM 4500 SO4 E	
400-275211-4	FB-20250430	Total/NA	Water	SM 4500 SO4 E	
MB 400-708576/12	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-708576/13	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-708576/14	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
240-223608-A-5 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
240-223608-A-5 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 708680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275211-1	MW-U1-20250429	Total/NA	Water	SM 4500 CI- E	
400-275211-2	MW-U2-20250429	Total/NA	Water	SM 4500 CI- E	
400-275211-3	EB-20250430	Total/NA	Water	SM 4500 CI- E	
400-275211-4	FB-20250430	Total/NA	Water	SM 4500 CI- E	
MB 400-708680/13	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 400-708680/14	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	
MRL 400-708680/15	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	
400-275211-2 MS	MW-U2-20250429	Total/NA	Water	SM 4500 CI- E	
400-275211-2 MSD	MW-U2-20250429	Total/NA	Water	SM 4500 CI- E	

QC Association Summary

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

Job ID: 400-275211-1

Field Service / Mobile Lab

Analysis Batch: 708168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275211-1	MW-U1-20250429	Total/NA	Water	Field Sampling	
400-275211-2	MW-U2-20250429	Total/NA	Water	Field Sampling	

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

QC Sample Results

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

Job ID: 400-275211-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-881808/1-A
Matrix: Water
Analysis Batch: 881880

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 881808

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0025	0.00034	mg/L		05/05/25 05:26	05/05/25 17:27	1
Arsenic	ND		0.0013	0.00086	mg/L		05/05/25 05:26	05/05/25 17:27	1
Barium	ND		0.0025	0.00089	mg/L		05/05/25 05:26	05/05/25 17:27	1
Beryllium	ND		0.0020	0.00020	mg/L		05/05/25 05:26	05/05/25 17:27	1
Boron	ND		0.050	0.022	mg/L		05/05/25 05:26	05/05/25 17:27	1
Cadmium	ND		0.0010	0.000078	mg/L		05/05/25 05:26	05/05/25 17:27	1
Calcium	ND		0.25	0.14	mg/L		05/05/25 05:26	05/05/25 17:27	1
Chromium	ND		0.0025	0.0012	mg/L		05/05/25 05:26	05/05/25 17:27	1
Cobalt	ND		0.0025	0.00022	mg/L		05/05/25 05:26	05/05/25 17:27	1
Lead	ND		0.0013	0.00021	mg/L		05/05/25 05:26	05/05/25 17:27	1
Molybdenum	ND		0.010	0.00086	mg/L		05/05/25 05:26	05/05/25 17:27	1
Selenium	ND		0.0013	0.00099	mg/L		05/05/25 05:26	05/05/25 17:27	1
Thallium	ND		0.00050	0.00026	mg/L		05/05/25 05:26	05/05/25 17:27	1

Lab Sample ID: MB 680-881808/1-A
Matrix: Water
Analysis Batch: 881964

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 881808

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	ND		0.0025	0.0020	mg/L		05/05/25 05:26	05/07/25 08:41	1

Lab Sample ID: LCS 680-881808/2-A
Matrix: Water
Analysis Batch: 881880

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 881808

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0515		mg/L		103	80 - 120
Arsenic	0.100	0.102		mg/L		102	80 - 120
Barium	0.100	0.102		mg/L		102	80 - 120
Beryllium	0.0500	0.0550		mg/L		110	80 - 120
Boron	0.400	0.409		mg/L		102	80 - 120
Cadmium	0.0500	0.0523		mg/L		105	80 - 120
Calcium	5.00	5.21		mg/L		104	80 - 120
Chromium	0.100	0.103		mg/L		103	80 - 120
Cobalt	0.0500	0.0547		mg/L		109	80 - 120
Lead	0.500	0.511		mg/L		102	80 - 120
Molybdenum	0.100	0.106		mg/L		106	80 - 120
Selenium	0.100	0.102		mg/L		102	80 - 120
Thallium	0.0500	0.0505		mg/L		101	80 - 120

Lab Sample ID: LCS 680-881808/2-A
Matrix: Water
Analysis Batch: 881964

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 881808

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.500	0.498		mg/L		100	80 - 120

QC Sample Results

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

Job ID: 400-275211-1

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

Lab Sample ID: 400-275207-C-3-B MS
Matrix: Water
Analysis Batch: 881880

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 881808

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD
Antimony	ND		0.0500	0.0504		mg/L		101	75 - 125	
Arsenic	ND		0.100	0.0993		mg/L		99	75 - 125	
Barium	0.030		0.100	0.130		mg/L		100	75 - 125	
Beryllium	ND		0.0500	0.0545		mg/L		109	75 - 125	
Boron	0.12		0.400	0.506		mg/L		97	75 - 125	
Cadmium	ND		0.0500	0.0514		mg/L		103	75 - 125	
Calcium	57		5.00	60.5	4	mg/L		74	75 - 125	
Chromium	ND		0.100	0.0991		mg/L		99	75 - 125	
Cobalt	ND		0.0500	0.0524		mg/L		105	75 - 125	
Lead	ND		0.500	0.505		mg/L		101	75 - 125	
Molybdenum	0.0047	J	0.100	0.108		mg/L		103	75 - 125	
Selenium	ND		0.100	0.0984		mg/L		98	75 - 125	
Thallium	ND		0.0500	0.0499		mg/L		100	75 - 125	

Lab Sample ID: 400-275207-C-3-B MS
Matrix: Water
Analysis Batch: 881964

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 881808

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD
Lithium	0.0021	J	0.500	0.496		mg/L		99	75 - 125	

Lab Sample ID: 400-275207-C-3-C MSD
Matrix: Water
Analysis Batch: 881880

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 881808

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Antimony	ND		0.0500	0.0520		mg/L		104	75 - 125	3	20	
Arsenic	ND		0.100	0.102		mg/L		102	75 - 125	3	20	
Barium	0.030		0.100	0.133		mg/L		102	75 - 125	2	20	
Beryllium	ND		0.0500	0.0563		mg/L		113	75 - 125	3	20	
Boron	0.12		0.400	0.528		mg/L		103	75 - 125	4	20	
Cadmium	ND		0.0500	0.0529		mg/L		106	75 - 125	3	20	
Calcium	57		5.00	62.7	4	mg/L		118	75 - 125	4	20	
Chromium	ND		0.100	0.102		mg/L		102	75 - 125	3	20	
Cobalt	ND		0.0500	0.0542		mg/L		108	75 - 125	3	20	
Lead	ND		0.500	0.515		mg/L		103	75 - 125	2	20	
Molybdenum	0.0047	J	0.100	0.112		mg/L		107	75 - 125	3	20	
Selenium	ND		0.100	0.102		mg/L		102	75 - 125	3	20	
Thallium	ND		0.0500	0.0515		mg/L		103	75 - 125	3	20	

Lab Sample ID: 400-275207-C-3-C MSD
Matrix: Water
Analysis Batch: 881964

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 881808

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Lithium	0.0021	J	0.500	0.496		mg/L		99	75 - 125	0	20	

QC Sample Results

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

Job ID: 400-275211-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-881859/1-A
Matrix: Water
Analysis Batch: 881883

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 881859

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000080	mg/L		05/05/25 12:59	05/05/25 16:46	1

Lab Sample ID: LCS 680-881859/2-A
Matrix: Water
Analysis Batch: 881883

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 881859

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00236		mg/L		94	80 - 120

Lab Sample ID: 400-275207-C-4-C MS
Matrix: Water
Analysis Batch: 881883

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 881859

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00100	0.000943		mg/L		94	80 - 120

Lab Sample ID: 400-275207-C-4-D MSD
Matrix: Water
Analysis Batch: 881883

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 881859

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00100	0.00105		mg/L		105	80 - 120	10	20

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

Lab Sample ID: MB 400-708010/1
Matrix: Water
Analysis Batch: 708010

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			05/03/25 16:40	1

Lab Sample ID: LCS 400-708010/2
Matrix: Water
Analysis Batch: 708010

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	260		mg/L		89	78 - 122

Lab Sample ID: 400-275207-B-1 DU
Matrix: Water
Analysis Batch: 708010

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	170		182	F3	mg/L		6	5

QC Sample Results

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

Job ID: 400-275211-1

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-708680/13
Matrix: Water
Analysis Batch: 708680

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			05/09/25 10:59	1

Lab Sample ID: LCS 400-708680/14
Matrix: Water
Analysis Batch: 708680

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	48.7		mg/L		97	90 - 110

Lab Sample ID: MRL 400-708680/15
Matrix: Water
Analysis Batch: 708680

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2.00	1.68	J	mg/L		84	50 - 150

Lab Sample ID: 400-275211-2 MS
Matrix: Water
Analysis Batch: 708680

Client Sample ID: MW-U2-20250429
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1.4	J	20.0	20.0		mg/L		100	73 - 120

Lab Sample ID: 400-275211-2 MSD
Matrix: Water
Analysis Batch: 708680

Client Sample ID: MW-U2-20250429
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1.4	J	20.0	21.6		mg/L		108	73 - 120	8	8

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-708098/9
Matrix: Water
Analysis Batch: 708098

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			05/05/25 12:07	1

Lab Sample ID: LCS 400-708098/11
Matrix: Water
Analysis Batch: 708098

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	4.92		mg/L		98	90 - 110

QC Sample Results

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

Job ID: 400-275211-1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: MRL 400-708098/10
 Matrix: Water
 Analysis Batch: 708098

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.100	0.103		mg/L		103	50 - 150

Lab Sample ID: 400-275223-B-3 DU
 Matrix: Water
 Analysis Batch: 708098

Client Sample ID: Duplicate
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Fluoride	0.092	J	0.0884	J	mg/L		4	4

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-708576/12
 Matrix: Water
 Analysis Batch: 708576

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		5.0	1.4	mg/L			05/08/25 13:37	1

Lab Sample ID: LCS 400-708576/13
 Matrix: Water
 Analysis Batch: 708576

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 400-708576/14
 Matrix: Water
 Analysis Batch: 708576

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	5.00	3.76	J	mg/L		75	50 - 150

Lab Sample ID: 240-223608-A-5 MS
 Matrix: Water
 Analysis Batch: 708576

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	45	J F1	10.0	48.0	J 4	mg/L		26	77 - 128

Lab Sample ID: 240-223608-A-5 MSD
 Matrix: Water
 Analysis Batch: 708576

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	45	J F1	10.0	47.7	J 4	mg/L		24	77 - 128	1	5

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 400-275211-1

Login Number: 275211

List Source: Eurofins Pensacola

List Number: 1

Creator: Beecher (Roberts), Alexis J

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 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	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Accreditation/Certification Summary

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

Job ID: 400-275211-1

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	06-30-25
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
California	State	2510	06-30-25
Florida	NELAP	E81010	06-30-25
Georgia	State	E81010(FL)	06-30-25
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-25
Louisiana (All)	NELAP	30976	06-30-25
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	08-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-25
Tennessee	State	TN02907	06-30-25
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-25
USDA	US Federal Programs	FLGNV23001	01-08-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
Virginia	NELAP	460166	06-14-25
West Virginia DEP	State	136	03-31-26

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	06-30-25
ANAB	Dept. of Defense ELAP	L2463	09-22-26
Arkansas (DW)	State	GA00006	06-30-25
Arkansas DEQ	State	88-00692	02-09-26
Florida	NELAP	E87052	06-30-25
Georgia	State	E87052	06-30-25
Georgia (DW)	State	803	06-30-25
Hawaii	State	<cert No.>	06-30-25
Illinois	NELAP	200022	11-30-25
Iowa	State	353	07-01-25
Kentucky (UST)	State	108138	06-30-24 *
Louisiana (All)	NELAP	30690	06-30-25
Maine	State	GA00006	09-25-26
Maryland	State	250	12-31-25
Mississippi	State	<cert No.>	06-30-25
Nebraska	State	NE-OS-7-04	06-30-25
New Mexico	State	GA00006	06-30-25
North Carolina (DW)	State	13701	07-31-25
North Carolina (WW/SW)	State	269	12-31-25
Puerto Rico	State	GA00006	01-15-26
South Carolina	State	98001	06-30-25
Tennessee	State	TN02961	06-30-25

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

Accreditation/Certification Summary

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

Job ID: 400-275211-1

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
Texas	TCEQ Water Supply	T104704185	06-30-25
USDA	US Federal Programs	P330-18-00313	04-04-27
Virginia	NELAP	460161	06-14-25
Wyoming	State	8TMS-L	06-30-25

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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 Commission

JOB NUMBER

400-275211-2

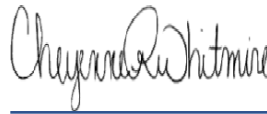
Eurofins Pensacola

Job Notes

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

Authorization



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Authorized for release by
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Method Summary

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

Job ID: 400-275211-2

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 Commission

Job ID: 400-275211-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-275211-1	MW-U1-20250429	Water	04/29/25 12:28	05/02/25 10:10
400-275211-2	MW-U2-20250429	Water	04/29/25 12:22	05/02/25 10:10
400-275211-3	EB-20250430	Water	04/30/25 11:48	05/02/25 10:10
400-275211-4	FB-20250430	Water	04/30/25 11:37	05/02/25 10:10

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Client Sample Results

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

Job ID: 400-275211-2

Client Sample ID: MW-U1-20250429

Lab Sample ID: 400-275211-1

Date Collected: 04/29/25 12:28

Matrix: Water

Date Received: 05/02/25 10:10

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.146	U	0.171	0.172	1.00	0.278	pCi/L	05/06/25 07:55	06/03/25 20:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.8		30 - 110					05/06/25 07:55	06/03/25 20:08	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.564	U	0.481	0.484	1.00	0.763	pCi/L	05/06/25 08:02	06/03/25 11:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.8		30 - 110					05/06/25 08:02	06/03/25 11:53	1
Y Carrier	80.0		30 - 110					05/06/25 08:02	06/03/25 11:53	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.710	U	0.510	0.514	5.00	0.763	pCi/L		06/04/25 12:19	1

Client Sample Results

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

Job ID: 400-275211-2

Client Sample ID: MW-U2-20250429

Lab Sample ID: 400-275211-2

Date Collected: 04/29/25 12:22

Matrix: Water

Date Received: 05/02/25 10:10

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0518	U	0.149	0.149	1.00	0.283	pCi/L	05/06/25 07:55	06/03/25 20:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.3		30 - 110					05/06/25 07:55	06/03/25 20:08	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.171	U	0.348	0.348	1.00	0.605	pCi/L	05/06/25 08:02	06/03/25 11:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.3		30 - 110					05/06/25 08:02	06/03/25 11:36	1
Y Carrier	80.4		30 - 110					05/06/25 08:02	06/03/25 11:36	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.222	U	0.379	0.379	5.00	0.605	pCi/L		06/04/25 12:19	1

Client Sample Results

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

Job ID: 400-275211-2

Client Sample ID: EB-20250430

Lab Sample ID: 400-275211-3

Date Collected: 04/30/25 11:48

Matrix: Water

Date Received: 05/02/25 10:10

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.141	U	0.187	0.188	1.00	0.314	pCi/L	05/06/25 07:55	06/03/25 20:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.3		30 - 110					05/06/25 07:55	06/03/25 20:08	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.462	U	0.388	0.390	1.00	0.605	pCi/L	05/06/25 08:02	06/03/25 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.3		30 - 110					05/06/25 08:02	06/03/25 11:54	1
Y Carrier	80.4		30 - 110					05/06/25 08:02	06/03/25 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	0.603	U	0.431	0.433	5.00	0.605	pCi/L		06/04/25 12:19	1

Client Sample Results

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

Job ID: 400-275211-2

Client Sample ID: FB-20250430

Lab Sample ID: 400-275211-4

Date Collected: 04/30/25 11:37

Matrix: Water

Date Received: 05/02/25 10:10

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0818	U	0.154	0.155	1.00	0.276	pCi/L	05/06/25 07:55	06/03/25 20:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.8		30 - 110					05/06/25 07:55	06/03/25 20:08	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.277	U	0.368	0.369	1.00	0.615	pCi/L	05/06/25 08:02	06/03/25 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.8		30 - 110					05/06/25 08:02	06/03/25 11:54	1
Y Carrier	86.0		30 - 110					05/06/25 08:02	06/03/25 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	0.359	U	0.399	0.400	5.00	0.615	pCi/L		06/04/25 12:19	1

Definitions/Glossary

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

Job ID: 400-275211-2

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 Commission

Job ID: 400-275211-2

Client Sample ID: MW-U1-20250429

Lab Sample ID: 400-275211-1

Date Collected: 04/29/25 12:28

Matrix: Water

Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			716183	OGC	EET SL	05/06/25 07:55
Total/NA	Analysis	9315		1	720467	FLC	EET SL	06/03/25 20:08
Total/NA	Prep	PrecSep_0			716185	OGC	EET SL	05/06/25 08:02
Total/NA	Analysis	9320		1	720468	FLC	EET SL	06/03/25 11:53
Total/NA	Analysis	Ra226_Ra228		1	720797	SCB	EET SL	06/04/25 12:19

Client Sample ID: MW-U2-20250429

Lab Sample ID: 400-275211-2

Date Collected: 04/29/25 12:22

Matrix: Water

Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			716183	OGC	EET SL	05/06/25 07:55
Total/NA	Analysis	9315		1	720467	FLC	EET SL	06/03/25 20:08
Total/NA	Prep	PrecSep_0			716185	OGC	EET SL	05/06/25 08:02
Total/NA	Analysis	9320		1	720468	FLC	EET SL	06/03/25 11:36
Total/NA	Analysis	Ra226_Ra228		1	720797	SCB	EET SL	06/04/25 12:19

Client Sample ID: EB-20250430

Lab Sample ID: 400-275211-3

Date Collected: 04/30/25 11:48

Matrix: Water

Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			716183	OGC	EET SL	05/06/25 07:55
Total/NA	Analysis	9315		1	720467	FLC	EET SL	06/03/25 20:08
Total/NA	Prep	PrecSep_0			716185	OGC	EET SL	05/06/25 08:02
Total/NA	Analysis	9320		1	720468	FLC	EET SL	06/03/25 11:54
Total/NA	Analysis	Ra226_Ra228		1	720797	SCB	EET SL	06/04/25 12:19

Client Sample ID: FB-20250430

Lab Sample ID: 400-275211-4

Date Collected: 04/30/25 11:37

Matrix: Water

Date Received: 05/02/25 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			716183	OGC	EET SL	05/06/25 07:55
Total/NA	Analysis	9315		1	720467	FLC	EET SL	06/03/25 20:08
Total/NA	Prep	PrecSep_0			716185	OGC	EET SL	05/06/25 08:02
Total/NA	Analysis	9320		1	720468	FLC	EET SL	06/03/25 11:54
Total/NA	Analysis	Ra226_Ra228		1	720797	SCB	EET SL	06/04/25 12:19

Laboratory References:

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

QC Association Summary

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

Job ID: 400-275211-2

Rad

Prep Batch: 716183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275211-1	MW-U1-20250429	Total/NA	Water	PrecSep-21	
400-275211-2	MW-U2-20250429	Total/NA	Water	PrecSep-21	
400-275211-3	EB-20250430	Total/NA	Water	PrecSep-21	
400-275211-4	FB-20250430	Total/NA	Water	PrecSep-21	
MB 160-716183/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-716183/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-267632-AQ-5-A DU	Duplicate	Total/NA	Water	PrecSep-21	

Prep Batch: 716185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-275211-1	MW-U1-20250429	Total/NA	Water	PrecSep_0	
400-275211-2	MW-U2-20250429	Total/NA	Water	PrecSep_0	
400-275211-3	EB-20250430	Total/NA	Water	PrecSep_0	
400-275211-4	FB-20250430	Total/NA	Water	PrecSep_0	
MB 160-716185/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-716185/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-267632-AQ-5-B DU	Duplicate	Total/NA	Water	PrecSep_0	

QC Sample Results

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

Job ID: 400-275211-2

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-716183/1-A
Matrix: Water
Analysis Batch: 720473

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 716183

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.2029	U	0.194	0.195	1.00	0.296	pCi/L	05/06/25 07:55	06/03/25 20:06	1
Carrier	MB	MB	Limits				Prepared		Analyzed	
Ba Carrier	%Yield	Qualifier	30 - 110				05/06/25 07:55		06/03/25 20:06	
	86.6									

Lab Sample ID: LCS 160-716183/2-A
Matrix: Water
Analysis Batch: 720473

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716183

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits	
				Uncert. (2σ+/-)						
Radium-226	9.58	8.885		1.20	1.00	0.389	pCi/L	93	75 - 125	
Carrier	LCS	LCS	Limits							
Ba Carrier	%Yield	Qualifier	30 - 110							
	92.0									

Lab Sample ID: 500-267632-AQ-5-A DU
Matrix: Water
Analysis Batch: 720467

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 716183

Analyte	Sample	Sample	DU	DU	Total	RL	MDC	Unit	RER	RER Limit
	Result	Qual	Result	Qual	Uncert. (2σ+/-)					
Radium-226	0.540		0.5347		0.256	1.00	0.283	pCi/L	0.01	1
Carrier	DU	DU	Limits							
Ba Carrier	%Yield	Qualifier	30 - 110							
	90.5									

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-716185/1-A
Matrix: Water
Analysis Batch: 720474

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 716185

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	0.1763	U	0.360	0.360	1.00	0.624	pCi/L	05/06/25 08:02	06/03/25 11:50	1
Carrier	MB	MB	Limits				Prepared		Analyzed	
Ba Carrier	%Yield	Qualifier	30 - 110				05/06/25 08:02		06/03/25 11:50	
	86.6									
Y Carrier	78.9		30 - 110				05/06/25 08:02		06/03/25 11:50	

QC Sample Results

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

Job ID: 400-275211-2

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

Lab Sample ID: LCS 160-716185/2-A
Matrix: Water
Analysis Batch: 720474

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 716185


Analyte	Spike Added	LCS		Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
		Result	Qual						
Radium-228	9.38	11.10		1.46	1.00	0.564	pCi/L	118	75 - 125
LCS LCS									
Carrier	%Yield	Qualifier	Limits						
Ba Carrier	92.0		30 - 110						
Y Carrier	77.0		30 - 110						

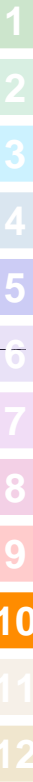
Lab Sample ID: 500-267632-AQ-5-B DU
Matrix: Water
Analysis Batch: 720474

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 716185

Analyte	Sample		DU		Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
	Result	Qual	Result	Qual						
Radium-228	0.577	U	0.4695	U	0.382	1.00	0.590	pCi/L	0.13	1
DU DU										
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	90.5		30 - 110							
Y Carrier	75.5		30 - 110							

Chain of Custody Record

Client Information		Lab PIV: Whitmire, Cheyenne R		Carrier Tracking No(s): 400-134357-29334.1		
Sampler: Yongli Wang & Jacob Tracy		E-Mail: Cheyenne.Whitmire@et.eurofins.com		Page: 1 of 1		
Phone: 515-708-3635		State of Origin: GA		Job #: _____		
Company: Geosyntec Consultants Inc		PWSID: _____		Preservation Codes: D - HNO3 N - None		
Address: 1255 Roberts Blvd, NW Suite 200		Due Date Requested: _____		 400-275211 Chain of Custody		
City: Kennesaw		TAT Requested (days): Standard				
State, Zip: GA, 30144		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Phone: 770-371-6027		Purchase Order not required				
Email: dyifru@geosyntec.com		PO #: _____				
Project Name: CCR App. III/IV GW Monitoring Crisp Co		Project #: 40007960		WO #: _____		
Site: Crisp County Power Commission		SSOW#: _____		Special Instructions/Note: _____		
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 Sampling - Field pH
MW-U1 -2025 0429	04/29/25 1228	G	Water	N	X	pH = 7.89
MW-U2 -2025 0429	04/29/25 1222	G	Water	N	X	pH = 7.17
EB -2025 0430	04/30/25 1148	G	Water	N	X	
FB -2025 0430	04/30/25 1137	G	Water	N	X	
<i>YN</i>						
Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify) _____						
Empty Kit Relinquished by: _____		Date: _____		Time: _____		Method of Shipment: _____
Relinquished by: Yongli Wang		Date/Time: 5/1/25 0831		Company: Geosyntec		Date/Time: 5/2/25 1810 Company: _____
Relinquished by: _____		Date/Time: _____		Company: _____		Date/Time: _____ Company: _____
Relinquished by: _____		Date/Time: _____		Company: _____		Date/Time: _____ Company: _____
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.: _____		Cooler Temperature(s) °C and Other Remarks: 0.0°C		Date/Time: _____ Company: _____



Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 400-275211-2

Login Number: 275211

List Source: Eurofins Pensacola

List Number: 1

Creator: Beecher (Roberts), Alexis J

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 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	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Accreditation/Certification Summary

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

Job ID: 400-275211-2

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	05-06-27
ANAB	Dept. of Defense ELAP	L2305	04-06-27
ANAB	Dept. of Energy	L2305.01	04-06-27
ANAB	ISO/IEC 17025	L2305	04-06-27
Arizona	State	AZ0813	12-08-25
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-25
Connecticut	State	PH-0241	03-31-27
Florida	NELAP	E87689	06-30-25
HI - RadChem Recognition	State	n/a	06-30-25
Illinois	NELAP	200023	11-30-25
Iowa	State	373	12-01-26
Kansas	NELAP	E-10236	10-31-25
Kentucky (DW)	State	KY90125	12-31-25
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-25
Louisiana (All)	NELAP	106151	06-30-25
Louisiana (DW)	State	LA011	12-31-25
Maryland	State	310	09-30-25
Massachusetts	State	M-MO054	06-30-25
MI - RadChem Recognition	State	9005	06-30-25
Missouri	State	780	06-30-25
Nevada	State	MO00054	07-31-25
New Jersey	NELAP	MO002	06-30-25
New Mexico	State	MO00054	06-30-25
New York	NELAP	11616	03-31-26
North Carolina (DW)	State	29700	07-31-25
North Dakota	State	R-207	06-30-25
Oklahoma	NELAP	9997	08-31-25
Oregon	NELAP	4157	09-01-25
Pennsylvania	NELAP	68-00540	02-28-26
South Carolina	State	85002	06-30-25
Texas	NELAP	T104704193	07-31-25
US Fish & Wildlife	US Federal Programs	058448	07-31-25
USDA	US Federal Programs	525-23-138-94730	05-18-26
Utah	NELAP	MO00054	07-31-25
Virginia	NELAP	460230	06-14-25
Washington	State	C592	08-30-25
West Virginia DEP	State	381	10-31-25

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

October 2025

ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/7/2025 6:18:06 PM

JOB DESCRIPTION

CCR App.III/IV GW Monitoring
Crisp County Power Commission

JOB NUMBER

400-284694-1

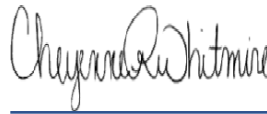
Eurofins Pensacola

Job Notes

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

Authorization



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Authorized for release by
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(850)471-6222



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Case Narrative

Client: Geosyntec Consultants Inc
Project: CCR App.III/IV GW Monitoring

Job ID: 400-284694-1

Job ID: 400-284694-1

Eurofins Pensacola

Job Narrative 400-284694-1

Receipt

The samples were received on 10/24/2025 8:33 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 0.0° C, 0.0° C, 0.3° C and 1.3° C.

Metals

Method 6020B: The continuing calibration verification (CCV) associated with batch 670-184347 recovered above the upper control limit for lead. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:400-284694-1 - 4; 400-284694-5-11(CCV 670-184520/130).

General Chemistry

Method SM 2540C: The sample duplicate (DUP) precision for analytical batch 400-728208 was outside control limits. Sample non-homogeneity is suspected.

Method SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-729683 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.

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

Eurofins Pensacola

Detection Summary

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-1
 SDG: Crisp County Power Commission

Client Sample ID: MW-U1-20251022

Lab Sample ID: 400-284694-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.0074	J	0.050	0.0035	mg/L	1		6010D	Total Recoverable
Calcium	36		0.50	0.058	mg/L	1		6010D	Total Recoverable
Barium	0.0019	J	0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Chromium	0.0014	J	0.0020	0.00039	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	94		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	1.9	J	2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.088	J	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	2.0	J	5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	7.548				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-U2-20251022

Lab Sample ID: 400-284694-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.010	J	0.050	0.0035	mg/L	1		6010D	Total Recoverable
Calcium	15		0.50	0.058	mg/L	1		6010D	Total Recoverable
Barium	0.013		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Chromium	0.0014	J	0.0020	0.00039	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	60		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	1.8	J	2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.047	J	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	22		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	6.995				SU	1		Field Sampling	Total/NA

Client Sample ID: EB-20251023

Lab Sample ID: 400-284694-3

No Detections.

Client Sample ID: FB-20251023

Lab Sample ID: 400-284694-4

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: Geosyntec Consultants Inc
Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-1
SDG: Crisp County Power Commission

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EET ORL
6020B	Metals (ICP/MS)	SW846	EET ORL
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 ORL

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 ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

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

Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-1
SDG: Crisp County Power Commission

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-284694-1	MW-U1-20251022	Water	10/22/25 11:55	10/24/25 08:33	Georgia
400-284694-2	MW-U2-20251022	Water	10/22/25 12:05	10/24/25 08:33	Georgia
400-284694-3	EB-20251023	Water	10/23/25 13:42	10/24/25 08:33	Georgia
400-284694-4	FB-20251023	Water	10/23/25 13:45	10/24/25 08:33	Georgia

- 1
- 2
- 3
- 4
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- 10
- 11
- 12
- 13
- 14

Client Sample Results

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-1
 SDG: Crisp County Power Commission

Client Sample ID: MW-U1-20251022

Lab Sample ID: 400-284694-1

Date Collected: 10/22/25 11:55

Matrix: Water

Date Received: 10/24/25 08:33

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.0074	J	0.050	0.0035	mg/L		10/28/25 11:25	10/28/25 18:02	1
Calcium	36		0.50	0.058	mg/L		10/28/25 11:25	10/28/25 18:02	1
Lithium	ND		0.020	0.018	mg/L		10/28/25 11:25	10/28/25 18:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.0019	J	0.0040	0.00037	mg/L		10/28/25 11:28	10/28/25 16:19	1
Cadmium	ND		0.0020	0.000070	mg/L		10/28/25 11:28	10/28/25 16:19	1
Chromium	0.0014	J	0.0020	0.00039	mg/L		10/28/25 11:28	10/28/25 16:19	1
Cobalt	ND		0.0020	0.00010	mg/L		10/28/25 11:28	10/28/25 16:19	1
Lead	ND	^+	0.0020	0.00024	mg/L		10/28/25 11:28	10/28/25 16:19	1
Molybdenum	ND		0.0020	0.00025	mg/L		10/28/25 11:28	10/28/25 16:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	94		5.0	5.0	mg/L			10/25/25 17:17	1
Chloride (SM 4500 Cl- E)	1.9	J	2.0	1.4	mg/L			10/27/25 10:22	1
Fluoride (SM 4500 F C)	0.088	J	0.10	0.022	mg/L			10/27/25 12:59	1
Sulfate (SM 4500 SO4 E)	2.0	J	5.0	1.4	mg/L			10/27/25 08:20	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.548				SU			10/22/25 10:55	1

Client Sample Results

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-1
 SDG: Crisp County Power Commission

Client Sample ID: MW-U2-20251022

Lab Sample ID: 400-284694-2

Date Collected: 10/22/25 12:05

Matrix: Water

Date Received: 10/24/25 08:33

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.010	J	0.050	0.0035	mg/L		10/28/25 11:25	10/28/25 18:04	1
Calcium	15		0.50	0.058	mg/L		10/28/25 11:25	10/28/25 18:04	1
Lithium	ND		0.020	0.018	mg/L		10/28/25 11:25	10/28/25 18:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.013		0.0040	0.00037	mg/L		10/28/25 11:28	10/28/25 16:24	1
Cadmium	ND		0.0020	0.000070	mg/L		10/28/25 11:28	10/28/25 16:24	1
Chromium	0.0014	J	0.0020	0.00039	mg/L		10/28/25 11:28	10/28/25 16:24	1
Cobalt	ND		0.0020	0.00010	mg/L		10/28/25 11:28	10/28/25 16:24	1
Lead	ND	^+	0.0020	0.00024	mg/L		10/28/25 11:28	10/28/25 16:24	1
Molybdenum	ND		0.0020	0.00025	mg/L		10/28/25 11:28	10/28/25 16:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	60		5.0	5.0	mg/L			10/25/25 17:17	1
Chloride (SM 4500 Cl- E)	1.8	J	2.0	1.4	mg/L			10/27/25 10:24	1
Fluoride (SM 4500 F C)	0.047	J	0.10	0.022	mg/L			10/27/25 13:02	1
Sulfate (SM 4500 SO4 E)	22		5.0	1.4	mg/L			10/27/25 08:20	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.995				SU			10/22/25 11:05	1

Client Sample Results

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-1
 SDG: Crisp County Power Commission

Client Sample ID: EB-20251023

Lab Sample ID: 400-284694-3

Date Collected: 10/23/25 13:42

Matrix: Water

Date Received: 10/24/25 08:33

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	ND		0.050	0.0035	mg/L		10/28/25 11:25	10/28/25 18:06	1
Calcium	ND		0.50	0.058	mg/L		10/28/25 11:25	10/28/25 18:06	1
Lithium	ND		0.020	0.018	mg/L		10/28/25 11:25	10/28/25 18:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		0.0040	0.00037	mg/L		10/28/25 11:28	10/28/25 16:26	1
Cadmium	ND		0.0020	0.000070	mg/L		10/28/25 11:28	10/28/25 16:26	1
Chromium	ND		0.0020	0.00039	mg/L		10/28/25 11:28	10/28/25 16:26	1
Cobalt	ND		0.0020	0.00010	mg/L		10/28/25 11:28	10/28/25 16:26	1
Lead	ND	^+	0.0020	0.00024	mg/L		10/28/25 11:28	10/28/25 16:26	1
Molybdenum	ND		0.0020	0.00025	mg/L		10/28/25 11:28	10/28/25 16:26	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			10/25/25 17:17	1
Chloride (SM 4500 Cl- E)	ND		2.0	1.4	mg/L			10/27/25 10:24	1
Fluoride (SM 4500 F C)	ND		0.10	0.022	mg/L			10/27/25 13:05	1
Sulfate (SM 4500 SO4 E)	ND		5.0	1.4	mg/L			11/06/25 15:01	1

Client Sample Results

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-1
 SDG: Crisp County Power Commission

Client Sample ID: FB-20251023

Lab Sample ID: 400-284694-4

Date Collected: 10/23/25 13:45

Matrix: Water

Date Received: 10/24/25 08:33

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	ND		0.050	0.0035	mg/L		10/28/25 11:25	10/28/25 18:08	1
Calcium	ND		0.50	0.058	mg/L		10/28/25 11:25	10/28/25 18:08	1
Lithium	ND		0.020	0.018	mg/L		10/28/25 11:25	10/28/25 18:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		0.0040	0.00037	mg/L		10/28/25 11:28	10/28/25 16:29	1
Cadmium	ND		0.0020	0.000070	mg/L		10/28/25 11:28	10/28/25 16:29	1
Chromium	ND		0.0020	0.00039	mg/L		10/28/25 11:28	10/28/25 16:29	1
Cobalt	ND		0.0020	0.00010	mg/L		10/28/25 11:28	10/28/25 16:29	1
Lead	ND	^+	0.0020	0.00024	mg/L		10/28/25 11:28	10/28/25 16:29	1
Molybdenum	ND		0.0020	0.00025	mg/L		10/28/25 11:28	10/28/25 16:29	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			10/25/25 17:17	1
Chloride (SM 4500 Cl- E)	ND		2.0	1.4	mg/L			10/27/25 10:25	1
Fluoride (SM 4500 F C)	ND		0.10	0.022	mg/L			10/27/25 13:22	1
Sulfate (SM 4500 SO4 E)	ND		5.0	1.4	mg/L			11/06/25 15:00	1

Definitions/Glossary

Client: Geosyntec Consultants Inc
Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-1
SDG: Crisp County Power Commission

Qualifiers

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
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
F1	MS and/or MSD recovery exceeds control limits.
F3	Duplicate RPD exceeds the control limit
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: CCR App.III/IV GW Monitoring

Job ID: 400-284694-1
 SDG: Crisp County Power Commission

Client Sample ID: MW-U1-20251022
Date Collected: 10/22/25 11:55
Date Received: 10/24/25 08:33

Lab Sample ID: 400-284694-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			184346	DP	EET ORL	10/28/25 11:25
Total Recoverable	Analysis	6010D		1	184518	AS	EET ORL	10/28/25 18:02
Total Recoverable	Prep	3005A			184347	DP	EET ORL	10/28/25 11:28
Total Recoverable	Analysis	6020B		1	184520	JA	EET ORL	10/28/25 16:19
Total/NA	Analysis	SM 2540C		1	728208	YC	EET PEN	10/25/25 17:17
Total/NA	Analysis	SM 4500 CI- E		1	728318	CJK	EET PEN	10/27/25 10:22
Total/NA	Analysis	SM 4500 F C		1	728367	JP	EET PEN	10/27/25 12:59
Total/NA	Analysis	SM 4500 SO4 E		1	728262	CJK	EET PEN	10/27/25 08:20
Total/NA	Analysis	Field Sampling		1	728397	CJ	EET PEN	10/22/25 10:55

Client Sample ID: MW-U2-20251022
Date Collected: 10/22/25 12:05
Date Received: 10/24/25 08:33

Lab Sample ID: 400-284694-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			184346	DP	EET ORL	10/28/25 11:25
Total Recoverable	Analysis	6010D		1	184518	AS	EET ORL	10/28/25 18:04
Total Recoverable	Prep	3005A			184347	DP	EET ORL	10/28/25 11:28
Total Recoverable	Analysis	6020B		1	184520	JA	EET ORL	10/28/25 16:24
Total/NA	Analysis	SM 2540C		1	728208	YC	EET PEN	10/25/25 17:17
Total/NA	Analysis	SM 4500 CI- E		1	728318	CJK	EET PEN	10/27/25 10:24
Total/NA	Analysis	SM 4500 F C		1	728367	JP	EET PEN	10/27/25 13:02
Total/NA	Analysis	SM 4500 SO4 E		1	728262	CJK	EET PEN	10/27/25 08:20
Total/NA	Analysis	Field Sampling		1	728397	CJ	EET PEN	10/22/25 11:05

Client Sample ID: EB-20251023
Date Collected: 10/23/25 13:42
Date Received: 10/24/25 08:33

Lab Sample ID: 400-284694-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			184346	DP	EET ORL	10/28/25 11:25
Total Recoverable	Analysis	6010D		1	184518	AS	EET ORL	10/28/25 18:06
Total Recoverable	Prep	3005A			184347	DP	EET ORL	10/28/25 11:28
Total Recoverable	Analysis	6020B		1	184520	JA	EET ORL	10/28/25 16:26
Total/NA	Analysis	SM 2540C		1	728208	YC	EET PEN	10/25/25 17:17
Total/NA	Analysis	SM 4500 CI- E		1	728318	CJK	EET PEN	10/27/25 10:24
Total/NA	Analysis	SM 4500 F C		1	728367	JP	EET PEN	10/27/25 13:05
Total/NA	Analysis	SM 4500 SO4 E		1	729683	CJK	EET PEN	11/06/25 15:01

Lab Chronicle

Client: Geosyntec Consultants Inc
Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-1
SDG: Crisp County Power Commission

Client Sample ID: FB-20251023

Lab Sample ID: 400-284694-4

Date Collected: 10/23/25 13:45

Matrix: Water

Date Received: 10/24/25 08:33

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Analyst</u>	<u>Lab</u>	<u>Prepared or Analyzed</u>
Total Recoverable	Prep	3005A			184346	DP	EET ORL	10/28/25 11:25
Total Recoverable	Analysis	6010D		1	184518	AS	EET ORL	10/28/25 18:08
Total Recoverable	Prep	3005A			184347	DP	EET ORL	10/28/25 11:28
Total Recoverable	Analysis	6020B		1	184520	JA	EET ORL	10/28/25 16:29
Total/NA	Analysis	SM 2540C		1	728208	YC	EET PEN	10/25/25 17:17
Total/NA	Analysis	SM 4500 CI- E		1	728318	CJK	EET PEN	10/27/25 10:25
Total/NA	Analysis	SM 4500 F C		1	728367	JP	EET PEN	10/27/25 13:22
Total/NA	Analysis	SM 4500 SO4 E		1	729683	CJK	EET PEN	11/06/25 15:00

Laboratory References:

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

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

QC Association Summary

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-1
 SDG: Crisp County Power Commission

Metals

Prep Batch: 184346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284694-1	MW-U1-20251022	Total Recoverable	Water	3005A	
400-284694-2	MW-U2-20251022	Total Recoverable	Water	3005A	
400-284694-3	EB-20251023	Total Recoverable	Water	3005A	
400-284694-4	FB-20251023	Total Recoverable	Water	3005A	
MB 670-184346/3-A	Method Blank	Total Recoverable	Water	3005A	
LCS 670-184346/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
400-284694-1 MS	MW-U1-20251022	Total Recoverable	Water	3005A	
400-284694-1 MSD	MW-U1-20251022	Total Recoverable	Water	3005A	

Prep Batch: 184347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284694-1	MW-U1-20251022	Total Recoverable	Water	3005A	
400-284694-2	MW-U2-20251022	Total Recoverable	Water	3005A	
400-284694-3	EB-20251023	Total Recoverable	Water	3005A	
400-284694-4	FB-20251023	Total Recoverable	Water	3005A	
MB 670-184347/3-A	Method Blank	Total Recoverable	Water	3005A	
LCS 670-184347/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 670-184347/2-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
400-284694-1 MS	MW-U1-20251022	Total Recoverable	Water	3005A	
400-284694-1 MSD	MW-U1-20251022	Total Recoverable	Water	3005A	

Analysis Batch: 184518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284694-1	MW-U1-20251022	Total Recoverable	Water	6010D	184346
400-284694-2	MW-U2-20251022	Total Recoverable	Water	6010D	184346
400-284694-3	EB-20251023	Total Recoverable	Water	6010D	184346
400-284694-4	FB-20251023	Total Recoverable	Water	6010D	184346
MB 670-184346/3-A	Method Blank	Total Recoverable	Water	6010D	184346
LCS 670-184346/1-A	Lab Control Sample	Total Recoverable	Water	6010D	184346
400-284694-1 MS	MW-U1-20251022	Total Recoverable	Water	6010D	184346
400-284694-1 MSD	MW-U1-20251022	Total Recoverable	Water	6010D	184346

Analysis Batch: 184520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284694-1	MW-U1-20251022	Total Recoverable	Water	6020B	184347
400-284694-2	MW-U2-20251022	Total Recoverable	Water	6020B	184347
400-284694-3	EB-20251023	Total Recoverable	Water	6020B	184347
400-284694-4	FB-20251023	Total Recoverable	Water	6020B	184347
MB 670-184347/3-A	Method Blank	Total Recoverable	Water	6020B	184347
LCS 670-184347/1-A	Lab Control Sample	Total Recoverable	Water	6020B	184347
LCSD 670-184347/2-A	Lab Control Sample Dup	Total Recoverable	Water	6020B	184347
400-284694-1 MS	MW-U1-20251022	Total Recoverable	Water	6020B	184347
400-284694-1 MSD	MW-U1-20251022	Total Recoverable	Water	6020B	184347

General Chemistry

Analysis Batch: 728208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284694-1	MW-U1-20251022	Total/NA	Water	SM 2540C	
400-284694-2	MW-U2-20251022	Total/NA	Water	SM 2540C	
400-284694-3	EB-20251023	Total/NA	Water	SM 2540C	

QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-1
SDG: Crisp County Power Commission

General Chemistry (Continued)

Analysis Batch: 728208 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284694-4	FB-20251023	Total/NA	Water	SM 2540C	
MB 400-728208/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-728208/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-284694-1 DU	MW-U1-20251022	Total/NA	Water	SM 2540C	

Analysis Batch: 728262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284694-1	MW-U1-20251022	Total/NA	Water	SM 4500 SO4 E	
400-284694-2	MW-U2-20251022	Total/NA	Water	SM 4500 SO4 E	
MB 400-728262/12	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-728262/13	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-284694-B-12 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
400-284694-B-12 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 728318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284694-1	MW-U1-20251022	Total/NA	Water	SM 4500 Cl- E	
400-284694-2	MW-U2-20251022	Total/NA	Water	SM 4500 Cl- E	
400-284694-3	EB-20251023	Total/NA	Water	SM 4500 Cl- E	
400-284694-4	FB-20251023	Total/NA	Water	SM 4500 Cl- E	
MB 400-728318/13	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-728318/14	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-728318/15	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-284694-1 MS	MW-U1-20251022	Total/NA	Water	SM 4500 Cl- E	
400-284694-1 MSD	MW-U1-20251022	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 728367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284694-1	MW-U1-20251022	Total/NA	Water	SM 4500 F C	
400-284694-2	MW-U2-20251022	Total/NA	Water	SM 4500 F C	
400-284694-3	EB-20251023	Total/NA	Water	SM 4500 F C	
400-284694-4	FB-20251023	Total/NA	Water	SM 4500 F C	
MB 400-728367/9	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-728367/11	Lab Control Sample	Total/NA	Water	SM 4500 F C	
400-284651-J-1 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
400-284651-J-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	
400-284694-B-5 DU	Duplicate	Total/NA	Water	SM 4500 F C	

Analysis Batch: 729683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284694-3	EB-20251023	Total/NA	Water	SM 4500 SO4 E	
400-284694-4	FB-20251023	Total/NA	Water	SM 4500 SO4 E	
MB 400-729683/39	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-729683/40	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-729683/36	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-285010-G-1 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
400-285010-G-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	

QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-1
SDG: Crisp County Power Commission

Field Service / Mobile Lab

Analysis Batch: 728397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284694-1	MW-U1-20251022	Total/NA	Water	Field Sampling	
400-284694-2	MW-U2-20251022	Total/NA	Water	Field Sampling	

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

QC Sample Results

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-1
 SDG: Crisp County Power Commission

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 670-184346/3-A
Matrix: Water
Analysis Batch: 184518

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 184346

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	ND		0.045	0.0032	mg/L		10/28/25 11:25	10/28/25 17:55	1
Calcium	ND		0.45	0.052	mg/L		10/28/25 11:25	10/28/25 17:55	1
Lithium	ND		0.018	0.016	mg/L		10/28/25 11:25	10/28/25 17:55	1

Lab Sample ID: LCS 670-184346/1-A
Matrix: Water
Analysis Batch: 184518

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 184346

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.100	0.0832		mg/L		83	80 - 120
Calcium	10.1	10.2		mg/L		101	80 - 120
Lithium	1.10	1.04		mg/L		95	80 - 120

Lab Sample ID: 400-284694-1 MS
Matrix: Water
Analysis Batch: 184518

Client Sample ID: MW-U1-20251022
Prep Type: Total Recoverable
Prep Batch: 184346

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.0074	J	0.111	0.105		mg/L		88	70 - 120
Calcium	36		11.2	47.2		mg/L		95	70 - 120
Lithium	ND		1.22	1.17		mg/L		96	70 - 120

Lab Sample ID: 400-284694-1 MSD
Matrix: Water
Analysis Batch: 184518

Client Sample ID: MW-U1-20251022
Prep Type: Total Recoverable
Prep Batch: 184346

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	0.0074	J	0.111	0.100		mg/L		84	70 - 120	4	20
Calcium	36		11.2	47.2		mg/L		96	70 - 120	0	20
Lithium	ND		1.22	1.17		mg/L		96	70 - 120	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 670-184347/3-A
Matrix: Water
Analysis Batch: 184520

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 184347

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		0.0036	0.00033	mg/L		10/28/25 11:28	10/28/25 16:11	1
Cadmium	ND		0.0018	0.000063	mg/L		10/28/25 11:28	10/28/25 16:11	1
Chromium	ND		0.0018	0.00035	mg/L		10/28/25 11:28	10/28/25 16:11	1
Cobalt	ND		0.0018	0.000092	mg/L		10/28/25 11:28	10/28/25 16:11	1
Lead	ND	^+	0.0018	0.00022	mg/L		10/28/25 11:28	10/28/25 16:11	1
Molybdenum	ND		0.0018	0.00022	mg/L		10/28/25 11:28	10/28/25 16:11	1

QC Sample Results

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-1
 SDG: Crisp County Power Commission

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

Lab Sample ID: LCS 670-184347/1-A
Matrix: Water
Analysis Batch: 184520

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 184347

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	
Barium	0.100	0.103		mg/L		103	80 - 120	
Cadmium	0.100	0.0955		mg/L		95	80 - 120	
Chromium	0.100	0.0987		mg/L		99	80 - 120	
Cobalt	0.100	0.0952		mg/L		95	80 - 120	
Lead	0.100	0.103	^+	mg/L		103	80 - 120	
Molybdenum	0.100	0.100		mg/L		100	80 - 120	

Lab Sample ID: LCSD 670-184347/2-A
Matrix: Water
Analysis Batch: 184520

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 184347

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	
							Limits		RPD	Limit
Barium	0.100	0.0991		mg/L		99	80 - 120	4	20	
Cadmium	0.100	0.0923		mg/L		92	80 - 120	3	20	
Chromium	0.100	0.0990		mg/L		99	80 - 120	0	20	
Cobalt	0.100	0.0967		mg/L		97	80 - 120	2	20	
Lead	0.100	0.0993	^+	mg/L		99	80 - 120	3	20	
Molybdenum	0.100	0.101		mg/L		101	80 - 120	1	20	

Lab Sample ID: 400-284694-1 MS
Matrix: Water
Analysis Batch: 184520

Client Sample ID: MW-U1-20251022
Prep Type: Total Recoverable
Prep Batch: 184347

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	
Barium	0.0019	J	0.111	0.117		mg/L		104	75 - 125	
Cadmium	ND		0.111	0.104		mg/L		94	75 - 125	
Chromium	0.0014	J	0.111	0.110		mg/L		98	75 - 125	
Cobalt	ND		0.111	0.105		mg/L		94	75 - 125	
Lead	ND	^+	0.111	0.112	^+	mg/L		100	75 - 125	
Molybdenum	ND		0.111	0.113		mg/L		102	75 - 125	

Lab Sample ID: 400-284694-1 MSD
Matrix: Water
Analysis Batch: 184520

Client Sample ID: MW-U1-20251022
Prep Type: Total Recoverable
Prep Batch: 184347

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	
									Limits		RPD	Limit
Barium	0.0019	J	0.111	0.118		mg/L		104	75 - 125	1	20	
Cadmium	ND		0.111	0.105		mg/L		95	75 - 125	1	20	
Chromium	0.0014	J	0.111	0.112		mg/L		99	75 - 125	1	20	
Cobalt	ND		0.111	0.106		mg/L		95	75 - 125	1	20	
Lead	ND	^+	0.111	0.113	^+	mg/L		101	75 - 125	1	20	
Molybdenum	ND		0.111	0.112		mg/L		101	75 - 125	1	20	

QC Sample Results

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-1
 SDG: Crisp County Power Commission

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

Lab Sample ID: MB 400-728208/1
Matrix: Water
Analysis Batch: 728208

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			10/25/25 17:17	1

Lab Sample ID: LCS 400-728208/2
Matrix: Water
Analysis Batch: 728208

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	293	274		mg/L		94	78 - 122

Lab Sample ID: 400-284694-1 DU
Matrix: Water
Analysis Batch: 728208

Client Sample ID: MW-U1-20251022
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	94		104	F3	mg/L		10	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-728318/13
Matrix: Water
Analysis Batch: 728318

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			10/27/25 10:13	1

Lab Sample ID: LCS 400-728318/14
Matrix: Water
Analysis Batch: 728318

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	49.9		mg/L		100	90 - 110

Lab Sample ID: MRL 400-728318/15
Matrix: Water
Analysis Batch: 728318

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	2.27		mg/L		114	50 - 150

Lab Sample ID: 400-284694-1 MS
Matrix: Water
Analysis Batch: 728318

Client Sample ID: MW-U1-20251022
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1.9	J	20.0	19.6		mg/L		88	73 - 120

QC Sample Results

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-1
 SDG: Crisp County Power Commission

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

Lab Sample ID: 400-284694-1 MSD
 Matrix: Water
 Analysis Batch: 728318

Client Sample ID: MW-U1-20251022
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1.9	J	20.0	20.5		mg/L		93	73 - 120	5	8

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-728367/9
 Matrix: Water
 Analysis Batch: 728367

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			10/27/25 12:27	1

Lab Sample ID: LCS 400-728367/11
 Matrix: Water
 Analysis Batch: 728367

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	5.00	5.11		mg/L		102	90 - 110

Lab Sample ID: 400-284651-J-1 MS
 Matrix: Water
 Analysis Batch: 728367

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	0.17		1.00	1.24		mg/L		106	75 - 125

Lab Sample ID: 400-284651-J-1 MSD
 Matrix: Water
 Analysis Batch: 728367

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	0.17		1.00	1.24		mg/L		106	75 - 125	0	4

Lab Sample ID: 400-284694-B-5 DU
 Matrix: Water
 Analysis Batch: 728367

Client Sample ID: Duplicate
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Fluoride	0.13		0.131		mg/L		0	4

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-728262/12
 Matrix: Water
 Analysis Batch: 728262

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			10/27/25 08:01	1

QC Sample Results

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-1
 SDG: Crisp County Power Commission

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

Lab Sample ID: LCS 400-728262/13
Matrix: Water
Analysis Batch: 728262

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	15.2		mg/L		102	90 - 110

Lab Sample ID: 400-284694-B-12 MS
Matrix: Water
Analysis Batch: 728262

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	15		10.0	26.1		mg/L		107	77 - 128

Lab Sample ID: 400-284694-B-12 MSD
Matrix: Water
Analysis Batch: 728262

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	15		10.0	26.0		mg/L		105	77 - 128	0	5

Lab Sample ID: MB 400-729683/39
Matrix: Water
Analysis Batch: 729683

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			11/06/25 14:50	1

Lab Sample ID: LCS 400-729683/40
Matrix: Water
Analysis Batch: 729683

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	15.0	14.8		mg/L		98	90 - 110

Lab Sample ID: MRL 400-729683/36
Matrix: Water
Analysis Batch: 729683

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	4.69	J	mg/L		94	50 - 150

Lab Sample ID: 400-285010-G-1 MS
Matrix: Water
Analysis Batch: 729683

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	14	F1	10.0	26.8	F1	mg/L		132	77 - 128

Lab Sample ID: 400-285010-G-1 MSD
Matrix: Water
Analysis Batch: 729683

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	14	F1	10.0	26.9	F1	mg/L		132	77 - 128	0	5

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Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 400-284694-1
SDG Number: Crisp County Power Commission

Login Number: 284694

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.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C 0.0°C 0.3°C 1.3°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-1
 SDG: Crisp County Power Commission

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	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-26
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-31-26
Kansas	NELAP	E-10253	10-31-26
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	12-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-26
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	FLGNV23001A1	01-08-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory: Eurofins Orlando

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	42800	06-30-26
Arkansas (DW)	State	FL00091	06-30-26
Florida	NELAP	E83018	06-30-26
Georgia	State	E83018 (FL)	06-30-26
Georgia (DW)	State	C055	06-30-26
Louisiana (DW)	State	LA039	12-31-25
Mississippi	State	MS00007	06-30-26
New Mexico	State	FL00091	06-30-26
North Carolina (DW)	State	12712	07-31-26
North Carolina (WW/SW)	State	699	12-31-25
Puerto Rico	State	FL00091	01-31-26
Tennessee	State	TN04930	06-30-26
Texas	NELAP	T104704571	02-28-26
USDA	US Federal Programs	P525-23-138-94710	05-18-26



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

CCR App.III/IV GW Monitoring
Crisp County Power Commission

JOB NUMBER

400-284694-2

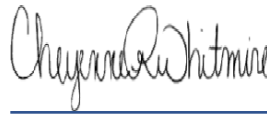
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Job Notes

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

Authorization



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Case Narrative

Client: Geosyntec Consultants Inc
Project: CCR App.III/IV GW Monitoring

Job ID: 400-284694-2

Job ID: 400-284694-2

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Job Narrative 400-284694-2

Receipt

The samples were received on 10/24/2025 8:33 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 0.0° C, 0.0° C, 0.3° C and 1.3° C.

RAD

Method 9320, RA-06-RC: Radium 228 Batch 743265. The Radium-228 laboratory control sample (LCS) associated with the following samples recovered at 127%: (LCS 160-743265/2-A). The limits in our LIMS system at 75-125% reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of 68-154%. The LCS is within criteria and no further action is required.

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

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Method Summary

Client: Geosyntec Consultants Inc
Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-2
SDG: Crisp County Power Commission

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: CCR App.III/IV GW Monitoring

Job ID: 400-284694-2
SDG: Crisp County Power Commission

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-284694-1	MW-U1-20251022	Water	10/22/25 11:55	10/24/25 08:33	Georgia
400-284694-2	MW-U2-20251022	Water	10/22/25 12:05	10/24/25 08:33	Georgia
400-284694-3	EB-20251023	Water	10/23/25 13:42	10/24/25 08:33	Georgia
400-284694-4	FB-20251023	Water	10/23/25 13:45	10/24/25 08:33	Georgia

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

Client Sample Results

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-2
 SDG: Crisp County Power Commission

Client Sample ID: MW-U1-20251022

Lab Sample ID: 400-284694-1

Date Collected: 10/22/25 11:55

Matrix: Water

Date Received: 10/24/25 08:33

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0777	U	0.224	0.224	1.00	0.468	pCi/L	10/31/25 15:37	11/26/25 16:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.2		30 - 110					10/31/25 15:37	11/26/25 16:58	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	0.466	U	0.443	0.445	1.00	0.709	pCi/L	10/31/25 15:43	11/26/25 10:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.2		30 - 110					10/31/25 15:43	11/26/25 10:01	1
Y Carrier	79.3		30 - 110					10/31/25 15:43	11/26/25 10:01	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	0.388	U	0.496	0.498	5.00	0.709	pCi/L		12/01/25 11:43	1

Client Sample Results

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-2
 SDG: Crisp County Power Commission

Client Sample ID: MW-U2-20251022

Lab Sample ID: 400-284694-2

Date Collected: 10/22/25 12:05

Matrix: Water

Date Received: 10/24/25 08:33

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0539	U	0.170	0.170	1.00	0.363	pCi/L	10/31/25 15:37	11/26/25 16:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.6		30 - 110					10/31/25 15:37	11/26/25 16:56	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.220	U	0.411	0.412	1.00	0.707	pCi/L	10/31/25 15:43	11/26/25 10:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.6		30 - 110					10/31/25 15:43	11/26/25 10:01	1
Y Carrier	79.3		30 - 110					10/31/25 15:43	11/26/25 10:01	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.166	U	0.445	0.446	5.00	0.707	pCi/L		12/01/25 11:43	1

Client Sample Results

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-2
 SDG: Crisp County Power Commission

Client Sample ID: EB-20251023

Lab Sample ID: 400-284694-3

Date Collected: 10/23/25 13:42

Matrix: Water

Date Received: 10/24/25 08:33

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	0.190	0.190	1.00	0.324	pCi/L	10/31/25 15:37	11/26/25 16:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.3		30 - 110					10/31/25 15:37	11/26/25 16:56	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.555	U	0.464	0.467	1.00	0.732	pCi/L	10/31/25 15:43	11/26/25 10:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.3		30 - 110					10/31/25 15:43	11/26/25 10:01	1
Y Carrier	84.5		30 - 110					10/31/25 15:43	11/26/25 10:01	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	0.684	U	0.501	0.504	5.00	0.732	pCi/L		12/01/25 11:43	1

Client Sample Results

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-2
 SDG: Crisp County Power Commission

Client Sample ID: FB-20251023

Lab Sample ID: 400-284694-4

Date Collected: 10/23/25 13:45

Matrix: Water

Date Received: 10/24/25 08:33

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0208	U	0.169	0.169	1.00	0.356	pCi/L	10/31/25 15:37	11/26/25 16:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.6		30 - 110					10/31/25 15:37	11/26/25 16:57	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	0.107	U	0.393	0.393	1.00	0.710	pCi/L	10/31/25 15:43	11/26/25 10:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.6		30 - 110					10/31/25 15:43	11/26/25 10:02	1
Y Carrier	77.4		30 - 110					10/31/25 15:43	11/26/25 10:02	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	0.0859	U	0.428	0.428	5.00	0.710	pCi/L		12/01/25 11:43	1

Definitions/Glossary

Client: Geosyntec Consultants Inc
Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-2
SDG: Crisp County Power Commission

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: CCR App.III/IV GW Monitoring

Job ID: 400-284694-2
 SDG: Crisp County Power Commission

Client Sample ID: MW-U1-20251022
Date Collected: 10/22/25 11:55
Date Received: 10/24/25 08:33

Lab Sample ID: 400-284694-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			743264	AMS	EET SL	10/31/25 15:37
Total/NA	Analysis	9315		1	747116	SWS	EET SL	11/26/25 16:58
Total/NA	Prep	PrecSep_0			743265	AMS	EET SL	10/31/25 15:43
Total/NA	Analysis	9320		1	747111	SWS	EET SL	11/26/25 10:01
Total/NA	Analysis	Ra226_Ra228		1	747372	CAH	EET SL	12/01/25 11:43

Client Sample ID: MW-U2-20251022
Date Collected: 10/22/25 12:05
Date Received: 10/24/25 08:33

Lab Sample ID: 400-284694-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			743264	AMS	EET SL	10/31/25 15:37
Total/NA	Analysis	9315		1	747117	SWS	EET SL	11/26/25 16:56
Total/NA	Prep	PrecSep_0			743265	AMS	EET SL	10/31/25 15:43
Total/NA	Analysis	9320		1	747111	SWS	EET SL	11/26/25 10:01
Total/NA	Analysis	Ra226_Ra228		1	747372	CAH	EET SL	12/01/25 11:43

Client Sample ID: EB-20251023
Date Collected: 10/23/25 13:42
Date Received: 10/24/25 08:33

Lab Sample ID: 400-284694-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			743264	AMS	EET SL	10/31/25 15:37
Total/NA	Analysis	9315		1	747117	SWS	EET SL	11/26/25 16:56
Total/NA	Prep	PrecSep_0			743265	AMS	EET SL	10/31/25 15:43
Total/NA	Analysis	9320		1	747111	SWS	EET SL	11/26/25 10:01
Total/NA	Analysis	Ra226_Ra228		1	747372	CAH	EET SL	12/01/25 11:43

Client Sample ID: FB-20251023
Date Collected: 10/23/25 13:45
Date Received: 10/24/25 08:33

Lab Sample ID: 400-284694-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			743264	AMS	EET SL	10/31/25 15:37
Total/NA	Analysis	9315		1	747117	SWS	EET SL	11/26/25 16:57
Total/NA	Prep	PrecSep_0			743265	AMS	EET SL	10/31/25 15:43
Total/NA	Analysis	9320		1	747111	SWS	EET SL	11/26/25 10:02
Total/NA	Analysis	Ra226_Ra228		1	747372	CAH	EET SL	12/01/25 11:43

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: CCR App.III/IV GW Monitoring

Job ID: 400-284694-2
SDG: Crisp County Power Commission

Rad

Prep Batch: 743264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284694-1	MW-U1-20251022	Total/NA	Water	PrecSep-21	
400-284694-2	MW-U2-20251022	Total/NA	Water	PrecSep-21	
400-284694-3	EB-20251023	Total/NA	Water	PrecSep-21	
400-284694-4	FB-20251023	Total/NA	Water	PrecSep-21	
MB 160-743264/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-743264/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
280-215725-C-2-A DU	Duplicate	Total/NA	Water	PrecSep-21	

Prep Batch: 743265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284694-1	MW-U1-20251022	Total/NA	Water	PrecSep_0	
400-284694-2	MW-U2-20251022	Total/NA	Water	PrecSep_0	
400-284694-3	EB-20251023	Total/NA	Water	PrecSep_0	
400-284694-4	FB-20251023	Total/NA	Water	PrecSep_0	
MB 160-743265/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-743265/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
280-215725-C-2-B DU	Duplicate	Total/NA	Water	PrecSep_0	

QC Sample Results

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-2
 SDG: Crisp County Power Commission

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-743264/1-A
Matrix: Water
Analysis Batch: 747110

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 743264

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.1064	U	0.168	0.169	1.00	0.293	pCi/L	10/31/25 15:37	11/26/25 16:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.6		30 - 110					10/31/25 15:37	11/26/25 16:43	1

Lab Sample ID: LCS 160-743264/2-A
Matrix: Water
Analysis Batch: 747110

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 743264

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	9.57	9.631		1.29	1.00	0.335	pCi/L	101	75 - 125
Carrier	%Yield	Qualifier	Limits						
Ba Carrier	82.9		30 - 110						

Lab Sample ID: 280-215725-C-2-A DU
Matrix: Water
Analysis Batch: 747116

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 743264

Analyte	Sample	Sample	DU	DU	Total	RL	MDC	Unit	RER	RER
	Result	Qual	Result	Qual	Uncert. (2σ+/-)					Limit
Radium-226	-0.0430	U	0.08460	U	0.171	1.00	0.308	pCi/L		0.37
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	93.4		30 - 110							

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-743265/1-A
Matrix: Water
Analysis Batch: 747158

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 743265

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	-0.2009	U	0.396	0.396	1.00	0.779	pCi/L	10/31/25 15:43	11/26/25 10:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.6		30 - 110					10/31/25 15:43	11/26/25 10:07	1
Y Carrier	80.0		30 - 110					10/31/25 15:43	11/26/25 10:07	1

QC Sample Results

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-2
 SDG: Crisp County Power Commission

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

Lab Sample ID: LCS 160-743265/2-A
Matrix: Water
Analysis Batch: 747158

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 743265

Analyte	Spike Added	LCS		Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
		Result	Qual						
Radium-228	7.90	10.06		1.47	1.00	0.780	pCi/L	127	75 - 125
LCS LCS									
Carrier	%Yield	Qualifier	Limits						
Ba Carrier	82.9		30 - 110						
Y Carrier	80.0		30 - 110						

Lab Sample ID: 280-215725-C-2-B DU
Matrix: Water
Analysis Batch: 747158

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 743265

Analyte	Sample		DU		Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
	Result	Qual	Result	Qual						
Radium-228	-0.312	U	0.2831	U	0.387	1.00	0.646	pCi/L	0.91	1
DU DU										
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	93.4		30 - 110							
Y Carrier	82.2		30 - 110							

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 400-284694-2

SDG Number: Crisp County Power Commission

Login Number: 284694

List Source: Eurofins Pensacola

List Number: 1

Creator: Pardonner, Brett

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C 0.0°C 0.3°C 1.3°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Pensacola

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-2
 SDG: Crisp County Power Commission

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	05-06-27
ANAB	Dept. of Defense ELAP	L2305	04-06-27
ANAB	Dept. of Energy	L2305.01	04-06-27
ANAB	ISO/IEC 17025	L2305	04-06-27
Arizona	State	AZ0813	12-08-25
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	07-01-26
Connecticut	State	PH-0241	03-31-27
Florida	NELAP	E87689	06-30-26
HI - RadChem Recognition	State	n/a	06-30-26
Illinois	NELAP	200023	11-30-25 *
Iowa	State	373	12-01-26
Kansas	NELAP	E-10236	10-31-26
Kentucky (DW)	State	KY90125	12-31-25
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-25
Louisiana (All)	NELAP	106151	06-30-26
Louisiana (DW)	State	LA011	12-31-25
Maryland	State	310	10-01-26
Massachusetts	State	M-MO054	06-30-26
MI - RadChem Recognition	State	9005	06-30-26
Missouri	State	780	06-30-28
Nevada	State	MO00054	07-31-26
New Jersey	NELAP	MO002	06-30-26
New Mexico	State	MO00054	06-30-26
New York	NELAP	11616	03-31-26
North Carolina (DW)	State	29700	06-30-26
North Dakota	State	R-207	06-30-25 *
Oklahoma	NELAP	9997	12-31-25
Oregon	NELAP	4157	09-01-26
Pennsylvania	NELAP	68-00540	02-28-26
South Carolina	State	85002	06-30-26
Texas	NELAP	T104704193	07-31-26
US Fish & Wildlife	US Federal Programs	058448	07-31-26
USDA	US Federal Programs	525-23-138-94730	05-18-26
Utah	NELAP	MO00054	07-31-26
Virginia	NELAP	460230	06-14-26
Washington	State	C592	08-31-26
West Virginia DEP	State	381	11-30-26

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/19/2025 8:08:03 PM

JOB DESCRIPTION

CCR App.III/IV GW Monitoring
Crisp County Power Commission

JOB NUMBER

400-284694-5

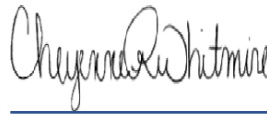
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Job Notes

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

Authorization



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Authorized for release by
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(850)471-6222



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Case Narrative

Client: Geosyntec Consultants Inc
Project: CCR App.III/IV GW Monitoring

Job ID: 400-284694-5

Job ID: 400-284694-5

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Job Narrative 400-284694-5

Receipt

The samples were received on 10/24/2025 8:33 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 0.0° C, 0.0° C, 0.3° C and 1.3° C.

General Chemistry

Method SM 2540C: The sample duplicate (DUP) precision for analytical batch 400-728208 was outside control limits. Sample non-homogeneity is suspected.

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-D1-20251022 (400-284694-12).

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

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Detection Summary

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-5
 SDG: Crisp County Power Commission

Client Sample ID: MW-D1-20251022

Lab Sample ID: 400-284694-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.061		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Calcium	58		0.50	0.058	mg/L	1		6010D	Total Recoverable
Barium	0.012		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Chromium	0.00066	J	0.0020	0.00039	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	190		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	5.4		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.11		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	15		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	7.141				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-D2-20251022

Lab Sample ID: 400-284694-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.12		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Calcium	130		0.50	0.058	mg/L	1		6010D	Total Recoverable
Barium	0.12		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Cadmium	0.00012	J	0.0020	0.000070	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	390		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	4.3		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.064	J	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	17		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	6.578				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-D3-20251023

Lab Sample ID: 400-284694-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.12		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Calcium	56		0.50	0.058	mg/L	1		6010D	Total Recoverable
Barium	0.031		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Chromium	0.00073	J	0.0020	0.00039	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0047		0.0020	0.00025	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	200		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	4.4		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.14		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	15		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	7.530				SU	1		Field Sampling	Total/NA

Client Sample ID: DUP-25-20251022

Lab Sample ID: 400-284694-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.065		0.050	0.0035	mg/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-5
 SDG: Crisp County Power Commission

Client Sample ID: DUP-25-20251022 (Continued)

Lab Sample ID: 400-284694-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	57		0.50	0.058	mg/L	1		6010D	Total Recoverable
Barium	0.012		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Chromium	0.00071	J	0.0020	0.00039	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	170		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	4.8		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.11		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA
Sulfate	16		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA

This Detection Summary does not include radiochemical test results.



Method Summary

Client: Geosyntec Consultants Inc
Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-5
SDG: Crisp County Power Commission

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EET ORL
6020B	Metals (ICP/MS)	SW846	EET ORL
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 ORL

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 ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

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

Sample Summary

Client: Geosyntec Consultants Inc
Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-5
SDG: Crisp County Power Commission

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-284694-12	MW-D1-20251022	Water	10/22/25 15:45	10/24/25 08:33	Georgia
400-284694-13	MW-D2-20251022	Water	10/22/25 16:00	10/24/25 08:33	Georgia
400-284694-14	MW-D3-20251023	Water	10/23/25 12:56	10/24/25 08:33	Georgia
400-284694-15	DUP-25-20251022	Water	10/22/25 00:00	10/24/25 08:33	Georgia

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Client Sample Results

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-5
 SDG: Crisp County Power Commission

Client Sample ID: MW-D1-20251022

Lab Sample ID: 400-284694-12

Date Collected: 10/22/25 15:45

Matrix: Water

Date Received: 10/24/25 08:33

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.061		0.050	0.0035	mg/L		10/28/25 11:25	10/28/25 18:32	1
Calcium	58		0.50	0.058	mg/L		10/28/25 11:25	10/28/25 18:32	1
Lithium	ND		0.020	0.018	mg/L		10/28/25 11:25	10/28/25 18:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.012		0.0040	0.00037	mg/L		10/28/25 11:28	10/28/25 17:18	1
Cadmium	ND		0.0020	0.000070	mg/L		10/28/25 11:28	10/28/25 17:18	1
Chromium	0.00066	J	0.0020	0.00039	mg/L		10/28/25 11:28	10/28/25 17:18	1
Molybdenum	ND		0.0020	0.00025	mg/L		10/28/25 11:28	10/28/25 17:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	190		5.0	5.0	mg/L			10/25/25 17:17	1
Chloride (SM 4500 Cl- E)	5.4		2.0	1.4	mg/L			10/27/25 10:31	1
Fluoride (SM 4500 F C)	0.11		0.10	0.022	mg/L			10/27/25 13:40	1
Sulfate (SM 4500 SO4 E)	15		5.0	1.4	mg/L			10/27/25 08:36	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.141				SU			10/22/25 14:45	1

Client Sample Results

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-5
 SDG: Crisp County Power Commission

Client Sample ID: MW-D2-20251022

Lab Sample ID: 400-284694-13

Date Collected: 10/22/25 16:00

Matrix: Water

Date Received: 10/24/25 08:33

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.12		0.050	0.0035	mg/L		10/28/25 11:25	10/28/25 18:34	1
Calcium	130		0.50	0.058	mg/L		10/28/25 11:25	10/28/25 18:34	1
Lithium	ND		0.020	0.018	mg/L		10/28/25 11:25	10/28/25 18:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.12		0.0040	0.00037	mg/L		10/28/25 11:28	10/28/25 17:20	1
Cadmium	0.00012	J	0.0020	0.000070	mg/L		10/28/25 11:28	10/28/25 17:20	1
Chromium	ND		0.0020	0.00039	mg/L		10/28/25 11:28	10/28/25 17:20	1
Molybdenum	ND		0.0020	0.00025	mg/L		10/28/25 11:28	10/28/25 17:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	390		5.0	5.0	mg/L			10/25/25 17:17	1
Chloride (SM 4500 Cl- E)	4.3		2.0	1.4	mg/L			10/27/25 10:31	1
Fluoride (SM 4500 F C)	0.064	J	0.10	0.022	mg/L			10/27/25 14:00	1
Sulfate (SM 4500 SO4 E)	17		5.0	1.4	mg/L			10/27/25 08:38	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.578				SU			10/22/25 15:00	1

Client Sample Results

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-5
 SDG: Crisp County Power Commission

Client Sample ID: MW-D3-20251023

Lab Sample ID: 400-284694-14

Date Collected: 10/23/25 12:56

Matrix: Water

Date Received: 10/24/25 08:33

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.12		0.050	0.0035	mg/L		10/28/25 11:25	10/28/25 18:37	1
Calcium	56		0.50	0.058	mg/L		10/28/25 11:25	10/28/25 18:37	1
Lithium	ND		0.020	0.018	mg/L		10/28/25 11:25	10/28/25 18:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.031		0.0040	0.00037	mg/L		10/28/25 11:28	10/28/25 17:23	1
Cadmium	ND		0.0020	0.000070	mg/L		10/28/25 11:28	10/28/25 17:23	1
Chromium	0.00073	J	0.0020	0.00039	mg/L		10/28/25 11:28	10/28/25 17:23	1
Molybdenum	0.0047		0.0020	0.00025	mg/L		10/28/25 11:28	10/28/25 17:23	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			10/25/25 17:17	1
Chloride (SM 4500 Cl- E)	4.4		2.0	1.4	mg/L			10/27/25 10:31	1
Fluoride (SM 4500 F C)	0.14		0.10	0.022	mg/L			10/27/25 14:08	1
Sulfate (SM 4500 SO4 E)	15		5.0	1.4	mg/L			11/04/25 13:25	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.530				SU			10/23/25 11:56	1

Client Sample Results

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-5
 SDG: Crisp County Power Commission

Client Sample ID: DUP-25-20251022

Lab Sample ID: 400-284694-15

Date Collected: 10/22/25 00:00

Matrix: Water

Date Received: 10/24/25 08:33

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.065		0.050	0.0035	mg/L		10/28/25 11:25	10/28/25 18:39	1
Calcium	57		0.50	0.058	mg/L		10/28/25 11:25	10/28/25 18:39	1
Lithium	ND		0.020	0.018	mg/L		10/28/25 11:25	10/28/25 18:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.012		0.0040	0.00037	mg/L		10/28/25 11:28	10/28/25 17:25	1
Cadmium	ND		0.0020	0.000070	mg/L		10/28/25 11:28	10/28/25 17:25	1
Chromium	0.00071	J	0.0020	0.00039	mg/L		10/28/25 11:28	10/28/25 17:25	1
Molybdenum	ND		0.0020	0.00025	mg/L		10/28/25 11:28	10/28/25 17:25	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			10/25/25 13:15	1
Chloride (SM 4500 Cl- E)	4.8		2.0	1.4	mg/L			10/27/25 10:32	1
Fluoride (SM 4500 F C)	0.11		0.10	0.022	mg/L			10/27/25 14:11	1
Sulfate (SM 4500 SO4 E)	16		5.0	1.4	mg/L			10/27/25 08:38	1

Definitions/Glossary

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-5
 SDG: Crisp County Power Commission

Qualifiers

Metals

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.

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: CCR App.III/IV GW Monitoring

Job ID: 400-284694-5
 SDG: Crisp County Power Commission

Client Sample ID: MW-D1-20251022
Date Collected: 10/22/25 15:45
Date Received: 10/24/25 08:33

Lab Sample ID: 400-284694-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			184346	DP	EET ORL	10/28/25 11:25
Total Recoverable	Analysis	6010D		1	184518	AS	EET ORL	10/28/25 18:32
Total Recoverable	Prep	3005A			184347	DP	EET ORL	10/28/25 11:28
Total Recoverable	Analysis	6020B		1	184520	JA	EET ORL	10/28/25 17:18
Total/NA	Analysis	SM 2540C		1	728208	YC	EET PEN	10/25/25 17:17
Total/NA	Analysis	SM 4500 CI- E		1	728318	CJK	EET PEN	10/27/25 10:31
Total/NA	Analysis	SM 4500 F C		1	728367	JP	EET PEN	10/27/25 13:40
Total/NA	Analysis	SM 4500 SO4 E		1	728262	CJK	EET PEN	10/27/25 08:36
Total/NA	Analysis	Field Sampling		1	728397	CJ	EET PEN	10/22/25 14:45

Client Sample ID: MW-D2-20251022
Date Collected: 10/22/25 16:00
Date Received: 10/24/25 08:33

Lab Sample ID: 400-284694-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			184346	DP	EET ORL	10/28/25 11:25
Total Recoverable	Analysis	6010D		1	184518	AS	EET ORL	10/28/25 18:34
Total Recoverable	Prep	3005A			184347	DP	EET ORL	10/28/25 11:28
Total Recoverable	Analysis	6020B		1	184520	JA	EET ORL	10/28/25 17:20
Total/NA	Analysis	SM 2540C		1	728208	YC	EET PEN	10/25/25 17:17
Total/NA	Analysis	SM 4500 CI- E		1	728318	CJK	EET PEN	10/27/25 10:31
Total/NA	Analysis	SM 4500 F C		1	728368	JP	EET PEN	10/27/25 14:00
Total/NA	Analysis	SM 4500 SO4 E		1	728262	CJK	EET PEN	10/27/25 08:38
Total/NA	Analysis	Field Sampling		1	728397	CJ	EET PEN	10/22/25 15:00

Client Sample ID: MW-D3-20251023
Date Collected: 10/23/25 12:56
Date Received: 10/24/25 08:33

Lab Sample ID: 400-284694-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			184346	DP	EET ORL	10/28/25 11:25
Total Recoverable	Analysis	6010D		1	184518	AS	EET ORL	10/28/25 18:37
Total Recoverable	Prep	3005A			184347	DP	EET ORL	10/28/25 11:28
Total Recoverable	Analysis	6020B		1	184520	JA	EET ORL	10/28/25 17:23
Total/NA	Analysis	SM 2540C		1	728208	YC	EET PEN	10/25/25 17:17
Total/NA	Analysis	SM 4500 CI- E		1	728318	CJK	EET PEN	10/27/25 10:31
Total/NA	Analysis	SM 4500 F C		1	728368	JP	EET PEN	10/27/25 14:08
Total/NA	Analysis	SM 4500 SO4 E		1	729369	CJK	EET PEN	11/04/25 13:25
Total/NA	Analysis	Field Sampling		1	728397	CJ	EET PEN	10/23/25 11:56

Lab Chronicle

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-5
 SDG: Crisp County Power Commission

Client Sample ID: DUP-25-20251022

Lab Sample ID: 400-284694-15

Date Collected: 10/22/25 00:00

Matrix: Water

Date Received: 10/24/25 08:33

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Analyst</u>	<u>Lab</u>	<u>Prepared or Analyzed</u>
Total Recoverable	Prep	3005A			184346	DP	EET ORL	10/28/25 11:25
Total Recoverable	Analysis	6010D		1	184518	AS	EET ORL	10/28/25 18:39
Total Recoverable	Prep	3005A			184347	DP	EET ORL	10/28/25 11:28
Total Recoverable	Analysis	6020B		1	184520	JA	EET ORL	10/28/25 17:25
Total/NA	Analysis	SM 2540C		1	728173	EJT	EET PEN	10/25/25 13:15
Total/NA	Analysis	SM 4500 CI- E		1	728318	CJK	EET PEN	10/27/25 10:32
Total/NA	Analysis	SM 4500 F C		1	728368	JP	EET PEN	10/27/25 14:11
Total/NA	Analysis	SM 4500 SO4 E		1	728262	CJK	EET PEN	10/27/25 08:38

Laboratory References:

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

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



QC Association Summary

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-5
 SDG: Crisp County Power Commission

Metals

Prep Batch: 184346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284694-12	MW-D1-20251022	Total Recoverable	Water	3005A	
400-284694-13	MW-D2-20251022	Total Recoverable	Water	3005A	
400-284694-14	MW-D3-20251023	Total Recoverable	Water	3005A	
400-284694-15	DUP-25-20251022	Total Recoverable	Water	3005A	
MB 670-184346/3-A	Method Blank	Total Recoverable	Water	3005A	
LCS 670-184346/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
400-284694-C-1-A MS	Matrix Spike	Total Recoverable	Water	3005A	
400-284694-C-1-B MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 184347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284694-12	MW-D1-20251022	Total Recoverable	Water	3005A	
400-284694-13	MW-D2-20251022	Total Recoverable	Water	3005A	
400-284694-14	MW-D3-20251023	Total Recoverable	Water	3005A	
400-284694-15	DUP-25-20251022	Total Recoverable	Water	3005A	
MB 670-184347/3-A	Method Blank	Total Recoverable	Water	3005A	
LCS 670-184347/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 670-184347/2-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
400-284694-C-1-D MS	Matrix Spike	Total Recoverable	Water	3005A	
400-284694-C-1-E MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 184518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284694-12	MW-D1-20251022	Total Recoverable	Water	6010D	184346
400-284694-13	MW-D2-20251022	Total Recoverable	Water	6010D	184346
400-284694-14	MW-D3-20251023	Total Recoverable	Water	6010D	184346
400-284694-15	DUP-25-20251022	Total Recoverable	Water	6010D	184346
MB 670-184346/3-A	Method Blank	Total Recoverable	Water	6010D	184346
LCS 670-184346/1-A	Lab Control Sample	Total Recoverable	Water	6010D	184346
400-284694-C-1-A MS	Matrix Spike	Total Recoverable	Water	6010D	184346
400-284694-C-1-B MSD	Matrix Spike Duplicate	Total Recoverable	Water	6010D	184346

Analysis Batch: 184520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284694-12	MW-D1-20251022	Total Recoverable	Water	6020B	184347
400-284694-13	MW-D2-20251022	Total Recoverable	Water	6020B	184347
400-284694-14	MW-D3-20251023	Total Recoverable	Water	6020B	184347
400-284694-15	DUP-25-20251022	Total Recoverable	Water	6020B	184347
MB 670-184347/3-A	Method Blank	Total Recoverable	Water	6020B	184347
LCS 670-184347/1-A	Lab Control Sample	Total Recoverable	Water	6020B	184347
LCSD 670-184347/2-A	Lab Control Sample Dup	Total Recoverable	Water	6020B	184347
400-284694-C-1-D MS	Matrix Spike	Total Recoverable	Water	6020B	184347
400-284694-C-1-E MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	184347

General Chemistry

Analysis Batch: 728173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284694-15	DUP-25-20251022	Total/NA	Water	SM 2540C	
MB 400-728173/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-728173/2	Lab Control Sample	Total/NA	Water	SM 2540C	

QC Association Summary

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-5
 SDG: Crisp County Power Commission

General Chemistry (Continued)

Analysis Batch: 728173 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284451-A-2 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 728208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284694-12	MW-D1-20251022	Total/NA	Water	SM 2540C	
400-284694-13	MW-D2-20251022	Total/NA	Water	SM 2540C	
400-284694-14	MW-D3-20251023	Total/NA	Water	SM 2540C	
MB 400-728208/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-728208/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-284694-12 DU	MW-D1-20251022	Total/NA	Water	SM 2540C	

Analysis Batch: 728262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284694-12	MW-D1-20251022	Total/NA	Water	SM 4500 SO4 E	
400-284694-13	MW-D2-20251022	Total/NA	Water	SM 4500 SO4 E	
400-284694-15	DUP-25-20251022	Total/NA	Water	SM 4500 SO4 E	
MB 400-728262/12	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-728262/13	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-728262/31	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-284694-12 MS	MW-D1-20251022	Total/NA	Water	SM 4500 SO4 E	
400-284694-12 MSD	MW-D1-20251022	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 728318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284694-12	MW-D1-20251022	Total/NA	Water	SM 4500 Cl- E	
400-284694-13	MW-D2-20251022	Total/NA	Water	SM 4500 Cl- E	
400-284694-14	MW-D3-20251023	Total/NA	Water	SM 4500 Cl- E	
400-284694-15	DUP-25-20251022	Total/NA	Water	SM 4500 Cl- E	
MB 400-728318/13	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 400-728318/44	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-728318/14	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCS 400-728318/45	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-728318/15	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-284694-B-1 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- E	
400-284694-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 728367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284694-12	MW-D1-20251022	Total/NA	Water	SM 4500 F C	
MB 400-728367/9	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-728367/11	Lab Control Sample	Total/NA	Water	SM 4500 F C	
400-284651-J-1 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
400-284651-J-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	
400-284694-B-5 DU	Duplicate	Total/NA	Water	SM 4500 F C	

Analysis Batch: 728368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284694-13	MW-D2-20251022	Total/NA	Water	SM 4500 F C	
400-284694-14	MW-D3-20251023	Total/NA	Water	SM 4500 F C	
400-284694-15	DUP-25-20251022	Total/NA	Water	SM 4500 F C	
MB 400-728368/1	Method Blank	Total/NA	Water	SM 4500 F C	

QC Association Summary

Client: Geosyntec Consultants Inc
Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-5
SDG: Crisp County Power Commission

General Chemistry (Continued)

Analysis Batch: 728368 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-728368/3	Lab Control Sample	Total/NA	Water	SM 4500 F C	
400-284694-13 MS	MW-D2-20251022	Total/NA	Water	SM 4500 F C	
400-284694-13 MSD	MW-D2-20251022	Total/NA	Water	SM 4500 F C	

Analysis Batch: 729369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284694-14	MW-D3-20251023	Total/NA	Water	SM 4500 SO4 E	
MB 400-729369/34	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-729369/32	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-729369/33	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-284651-K-4 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
400-284651-K-4 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	

Field Service / Mobile Lab

Analysis Batch: 728397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284694-12	MW-D1-20251022	Total/NA	Water	Field Sampling	
400-284694-13	MW-D2-20251022	Total/NA	Water	Field Sampling	
400-284694-14	MW-D3-20251023	Total/NA	Water	Field Sampling	

QC Sample Results

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-5
 SDG: Crisp County Power Commission

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 670-184346/3-A
Matrix: Water
Analysis Batch: 184518

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 184346

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	ND		0.045	0.0032	mg/L		10/28/25 11:25	10/28/25 17:55	1
Calcium	ND		0.45	0.052	mg/L		10/28/25 11:25	10/28/25 17:55	1
Lithium	ND		0.018	0.016	mg/L		10/28/25 11:25	10/28/25 17:55	1

Lab Sample ID: LCS 670-184346/1-A
Matrix: Water
Analysis Batch: 184518

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 184346

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.100	0.0832		mg/L		83	80 - 120
Calcium	10.1	10.2		mg/L		101	80 - 120
Lithium	1.10	1.04		mg/L		95	80 - 120

Lab Sample ID: 400-284694-C-1-A MS
Matrix: Water
Analysis Batch: 184518

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 184346

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.0074	J	0.111	0.105		mg/L		88	70 - 120
Calcium	36		11.2	47.2		mg/L		95	70 - 120
Lithium	ND		1.22	1.17		mg/L		96	70 - 120

Lab Sample ID: 400-284694-C-1-B MSD
Matrix: Water
Analysis Batch: 184518

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 184346

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Boron	0.0074	J	0.111	0.100		mg/L		84	70 - 120	4	20
Calcium	36		11.2	47.2		mg/L		96	70 - 120	0	20
Lithium	ND		1.22	1.17		mg/L		96	70 - 120	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 670-184347/3-A
Matrix: Water
Analysis Batch: 184520

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 184347

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		0.0036	0.00033	mg/L		10/28/25 11:28	10/28/25 16:11	1
Cadmium	ND		0.0018	0.000063	mg/L		10/28/25 11:28	10/28/25 16:11	1
Chromium	ND		0.0018	0.00035	mg/L		10/28/25 11:28	10/28/25 16:11	1
Molybdenum	ND		0.0018	0.00022	mg/L		10/28/25 11:28	10/28/25 16:11	1

Lab Sample ID: LCS 670-184347/1-A
Matrix: Water
Analysis Batch: 184520

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 184347

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.100	0.103		mg/L		103	80 - 120
Cadmium	0.100	0.0955		mg/L		95	80 - 120

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QC Sample Results

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-5
 SDG: Crisp County Power Commission

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

Lab Sample ID: LCS 670-184347/1-A
Matrix: Water
Analysis Batch: 184520

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 184347

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.100	0.0987		mg/L		99	80 - 120
Molybdenum	0.100	0.100		mg/L		100	80 - 120

Lab Sample ID: LCSD 670-184347/2-A
Matrix: Water
Analysis Batch: 184520

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 184347

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Barium	0.100	0.0991		mg/L		99	80 - 120	4	20
Cadmium	0.100	0.0923		mg/L		92	80 - 120	3	20
Chromium	0.100	0.0990		mg/L		99	80 - 120	0	20
Molybdenum	0.100	0.101		mg/L		101	80 - 120	1	20

Lab Sample ID: 400-284694-C-1-D MS
Matrix: Water
Analysis Batch: 184520

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 184347

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.0019	J	0.111	0.117		mg/L		104	75 - 125
Cadmium	ND		0.111	0.104		mg/L		94	75 - 125
Chromium	0.0014	J	0.111	0.110		mg/L		98	75 - 125
Molybdenum	ND		0.111	0.113		mg/L		102	75 - 125

Lab Sample ID: 400-284694-C-1-E MSD
Matrix: Water
Analysis Batch: 184520

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 184347

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Barium	0.0019	J	0.111	0.118		mg/L		104	75 - 125	1	20
Cadmium	ND		0.111	0.105		mg/L		95	75 - 125	1	20
Chromium	0.0014	J	0.111	0.112		mg/L		99	75 - 125	1	20
Molybdenum	ND		0.111	0.112		mg/L		101	75 - 125	1	20

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

Lab Sample ID: MB 400-728173/1
Matrix: Water
Analysis Batch: 728173

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			10/25/25 13:15	1

Lab Sample ID: LCS 400-728173/2
Matrix: Water
Analysis Batch: 728173

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	282		mg/L		96	78 - 122

QC Sample Results

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-5
 SDG: Crisp County Power Commission

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

Lab Sample ID: 400-284451-A-2 DU
Matrix: Water
Analysis Batch: 728173

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	740		736		mg/L		0.3	5

Lab Sample ID: MB 400-728208/1
Matrix: Water
Analysis Batch: 728208

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			10/25/25 17:17	1

Lab Sample ID: LCS 400-728208/2
Matrix: Water
Analysis Batch: 728208

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	293	274		mg/L		94	78 - 122

Lab Sample ID: 400-284694-12 DU
Matrix: Water
Analysis Batch: 728208

Client Sample ID: MW-D1-20251022
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	190		192		mg/L		5	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-728318/13
Matrix: Water
Analysis Batch: 728318

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			10/27/25 10:13	1

Lab Sample ID: MB 400-728318/44
Matrix: Water
Analysis Batch: 728318

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			10/27/25 10:30	1

Lab Sample ID: LCS 400-728318/14
Matrix: Water
Analysis Batch: 728318

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	49.9		mg/L		100	90 - 110

QC Sample Results

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-5
 SDG: Crisp County Power Commission

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

Lab Sample ID: LCS 400-728318/45
Matrix: Water
Analysis Batch: 728318

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	49.5		mg/L		99	90 - 110

Lab Sample ID: MRL 400-728318/15
Matrix: Water
Analysis Batch: 728318

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	2.27		mg/L		114	50 - 150

Lab Sample ID: 400-284694-B-1 MS
Matrix: Water
Analysis Batch: 728318

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1.9	J	20.0	19.6		mg/L		88	73 - 120

Lab Sample ID: 400-284694-B-1 MSD
Matrix: Water
Analysis Batch: 728318

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1.9	J	20.0	20.5		mg/L		93	73 - 120	5	8

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-728367/9
Matrix: Water
Analysis Batch: 728367

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			10/27/25 12:27	1

Lab Sample ID: LCS 400-728367/11
Matrix: Water
Analysis Batch: 728367

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	5.00	5.11		mg/L		102	90 - 110

Lab Sample ID: 400-284651-J-1 MS
Matrix: Water
Analysis Batch: 728367

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	0.17		1.00	1.24		mg/L		106	75 - 125

QC Sample Results

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-5
 SDG: Crisp County Power Commission

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: 400-284651-J-1 MSD
Matrix: Water
Analysis Batch: 728367

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	0.17		1.00	1.24		mg/L		106	75 - 125	0	4

Lab Sample ID: 400-284694-B-5 DU
Matrix: Water
Analysis Batch: 728367

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Fluoride	0.13		0.131		mg/L		0	4

Lab Sample ID: MB 400-728368/1
Matrix: Water
Analysis Batch: 728368

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			10/27/25 13:50	1

Lab Sample ID: LCS 400-728368/3
Matrix: Water
Analysis Batch: 728368

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	5.00	5.11		mg/L		102	90 - 110

Lab Sample ID: 400-284694-13 MS
Matrix: Water
Analysis Batch: 728368

Client Sample ID: MW-D2-20251022
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.064	J	1.00	1.06		mg/L		99	75 - 125

Lab Sample ID: 400-284694-13 MSD
Matrix: Water
Analysis Batch: 728368

Client Sample ID: MW-D2-20251022
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.064	J	1.00	1.06		mg/L		99	75 - 125	0	4

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-728262/12
Matrix: Water
Analysis Batch: 728262

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			10/27/25 08:01	1

QC Sample Results

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-5
 SDG: Crisp County Power Commission

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

Lab Sample ID: LCS 400-728262/13
Matrix: Water
Analysis Batch: 728262

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	15.2		mg/L		102	90 - 110

Lab Sample ID: MRL 400-728262/31
Matrix: Water
Analysis Batch: 728262

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	5.00	3.79	J	mg/L		76	50 - 150

Lab Sample ID: 400-284694-12 MS
Matrix: Water
Analysis Batch: 728262

Client Sample ID: MW-D1-20251022
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	15		10.0	26.1		mg/L		107	77 - 128

Lab Sample ID: 400-284694-12 MSD
Matrix: Water
Analysis Batch: 728262

Client Sample ID: MW-D1-20251022
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	15		10.0	26.0		mg/L		105	77 - 128	0	5

Lab Sample ID: MB 400-729369/34
Matrix: Water
Analysis Batch: 729369

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			11/04/25 13:14	1

Lab Sample ID: LCS 400-729369/32
Matrix: Water
Analysis Batch: 729369

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	15.2		mg/L		101	90 - 110

Lab Sample ID: MRL 400-729369/33
Matrix: Water
Analysis Batch: 729369

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	4.51	J	mg/L		90	50 - 150

Lab Sample ID: 400-284651-K-4 MS
Matrix: Water
Analysis Batch: 729369

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	11		10.0	23.7		mg/L		124	77 - 128

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QC Sample Results

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-5
 SDG: Crisp County Power Commission

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: 400-284651-K-4 MSD
Matrix: Water
Analysis Batch: 729369

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	11		10.0	24.0		mg/L		127	77 - 128	1	5

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Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 400-284694-5
SDG Number: Crisp County Power Commission

Login Number: 284694

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.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C 0.0°C 0.3°C 1.3°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-5
SDG: Crisp County Power Commission

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	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-26
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-31-26
Kansas	NELAP	E-10253	10-31-26
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	12-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-26
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	FLGNV23001A1	01-08-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Laboratory: Eurofins Orlando

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	42800	06-30-26
Arkansas (DW)	State	FL00091	06-30-26
Florida	NELAP	E83018	11-11-25
Georgia	State	E83018 (FL)	06-30-26
Georgia (DW)	State	C055	06-30-26
Louisiana (DW)	State	LA039	12-31-25
Mississippi	State	MS00007	06-30-26
New Mexico	State	FL00091	06-30-26
North Carolina (DW)	State	12712	07-31-26
North Carolina (WW/SW)	State	699	12-31-25
Puerto Rico	State	FL00091	01-31-26
Tennessee	State	TN04930	06-30-26
Texas	NELAP	T104704571	02-28-26
USDA	US Federal Programs	P525-23-138-94710	05-18-26

 **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

CCR App.III/IV GW Monitoring
Crisp County Power Commission

JOB NUMBER

400-284694-6

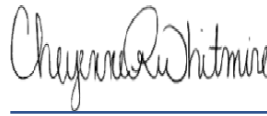
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Job Notes

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

Authorization



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Authorized for release by
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Method Summary

Client: Geosyntec Consultants Inc
Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-6
SDG: Crisp County Power Commission

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: CCR App.III/IV GW Monitoring

Job ID: 400-284694-6
SDG: Crisp County Power Commission

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
400-284694-12	MW-D1-20251022	Water	10/22/25 15:45	10/24/25 08:33	Georgia
400-284694-13	MW-D2-20251022	Water	10/22/25 16:00	10/24/25 08:33	Georgia
400-284694-14	MW-D3-20251023	Water	10/23/25 12:56	10/24/25 08:33	Georgia
400-284694-15	DUP-25-20251022	Water	10/22/25 00:00	10/24/25 08:33	Georgia

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Client Sample Results

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-6
 SDG: Crisp County Power Commission

Client Sample ID: MW-D1-20251022

Lab Sample ID: 400-284694-12

Date Collected: 10/22/25 15:45

Matrix: Water

Date Received: 10/24/25 08:33

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0358	U	0.151	0.151	1.00	0.286	pCi/L	10/31/25 15:28	12/01/25 17:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.8		30 - 110					10/31/25 15:28	12/01/25 17:27	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	-0.244	U	0.514	0.514	1.00	0.996	pCi/L	10/31/25 15:33	11/30/25 13:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.8		30 - 110					10/31/25 15:33	11/30/25 13:43	1
Y Carrier	83.7		30 - 110					10/31/25 15:33	11/30/25 13:43	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.208	U	0.536	0.536	5.00	0.996	pCi/L		12/02/25 09:31	1

Client Sample Results

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-6
 SDG: Crisp County Power Commission

Client Sample ID: MW-D2-20251022

Lab Sample ID: 400-284694-13

Date Collected: 10/22/25 16:00

Matrix: Water

Date Received: 10/24/25 08:33

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.216	U	0.178	0.179	1.00	0.267	pCi/L	10/31/25 15:28	12/01/25 17:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.2		30 - 110					10/31/25 15:28	12/01/25 17:27	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	0.881		0.501	0.508	1.00	0.719	pCi/L	10/31/25 15:33	11/30/25 13:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.2		30 - 110					10/31/25 15:33	11/30/25 13:43	1
Y Carrier	86.4		30 - 110					10/31/25 15:33	11/30/25 13:43	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.10		0.532	0.539	5.00	0.719	pCi/L		12/02/25 09:31	1

Client Sample Results

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-6
 SDG: Crisp County Power Commission

Client Sample ID: MW-D3-20251023

Lab Sample ID: 400-284694-14

Date Collected: 10/23/25 12:56

Matrix: Water

Date Received: 10/24/25 08:33

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0234	U	0.140	0.140	1.00	0.270	pCi/L	10/31/25 15:28	12/01/25 17:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.8		30 - 110					10/31/25 15:28	12/01/25 17:27	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	0.00966	U	0.438	0.438	1.00	0.814	pCi/L	10/31/25 15:33	11/30/25 13:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.8		30 - 110					10/31/25 15:33	11/30/25 13:43	1
Y Carrier	86.0		30 - 110					10/31/25 15:33	11/30/25 13:43	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.0330	U	0.460	0.460	5.00	0.814	pCi/L		12/02/25 09:31	1

Client Sample Results

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-6
 SDG: Crisp County Power Commission

Client Sample ID: DUP-25-20251022

Lab Sample ID: 400-284694-15

Date Collected: 10/22/25 00:00

Matrix: Water

Date Received: 10/24/25 08:33

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0206	U	0.110	0.110	1.00	0.218	pCi/L	10/31/25 15:28	12/01/25 17:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.9		30 - 110					10/31/25 15:28	12/01/25 17:28	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.318	U	0.453	0.454	1.00	0.763	pCi/L	10/31/25 15:33	11/30/25 13:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.9		30 - 110					10/31/25 15:33	11/30/25 13:46	1
Y Carrier	81.1		30 - 110					10/31/25 15:33	11/30/25 13:46	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	0.339	U	0.466	0.467	5.00	0.763	pCi/L		12/02/25 09:31	1

Definitions/Glossary

Client: Geosyntec Consultants Inc
Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-6
SDG: Crisp County Power Commission

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: CCR App.III/IV GW Monitoring

Job ID: 400-284694-6
 SDG: Crisp County Power Commission

Client Sample ID: MW-D1-20251022

Lab Sample ID: 400-284694-12

Date Collected: 10/22/25 15:45

Matrix: Water

Date Received: 10/24/25 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			743260	AMS	EET SL	10/31/25 15:28
Total/NA	Analysis	9315		1	747376	FLC	EET SL	12/01/25 17:27
Total/NA	Prep	PrecSep_0			743262	AMS	EET SL	10/31/25 15:33
Total/NA	Analysis	9320		1	747193	FLC	EET SL	11/30/25 13:43
Total/NA	Analysis	Ra226_Ra228		1	747372	CAH	EET SL	12/02/25 09:31

Client Sample ID: MW-D2-20251022

Lab Sample ID: 400-284694-13

Date Collected: 10/22/25 16:00

Matrix: Water

Date Received: 10/24/25 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			743260	AMS	EET SL	10/31/25 15:28
Total/NA	Analysis	9315		1	747376	FLC	EET SL	12/01/25 17:27
Total/NA	Prep	PrecSep_0			743262	AMS	EET SL	10/31/25 15:33
Total/NA	Analysis	9320		1	747193	FLC	EET SL	11/30/25 13:43
Total/NA	Analysis	Ra226_Ra228		1	747372	CAH	EET SL	12/02/25 09:31

Client Sample ID: MW-D3-20251023

Lab Sample ID: 400-284694-14

Date Collected: 10/23/25 12:56

Matrix: Water

Date Received: 10/24/25 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			743260	AMS	EET SL	10/31/25 15:28
Total/NA	Analysis	9315		1	747376	FLC	EET SL	12/01/25 17:27
Total/NA	Prep	PrecSep_0			743262	AMS	EET SL	10/31/25 15:33
Total/NA	Analysis	9320		1	747193	FLC	EET SL	11/30/25 13:43
Total/NA	Analysis	Ra226_Ra228		1	747372	CAH	EET SL	12/02/25 09:31

Client Sample ID: DUP-25-20251022

Lab Sample ID: 400-284694-15

Date Collected: 10/22/25 00:00

Matrix: Water

Date Received: 10/24/25 08:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			743260	AMS	EET SL	10/31/25 15:28
Total/NA	Analysis	9315		1	747376	FLC	EET SL	12/01/25 17:28
Total/NA	Prep	PrecSep_0			743262	AMS	EET SL	10/31/25 15:33
Total/NA	Analysis	9320		1	747193	FLC	EET SL	11/30/25 13:46
Total/NA	Analysis	Ra226_Ra228		1	747372	CAH	EET SL	12/02/25 09:31

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: CCR App.III/IV GW Monitoring

Job ID: 400-284694-6
SDG: Crisp County Power Commission

Rad

Prep Batch: 743260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284694-12	MW-D1-20251022	Total/NA	Water	PrecSep-21	
400-284694-13	MW-D2-20251022	Total/NA	Water	PrecSep-21	
400-284694-14	MW-D3-20251023	Total/NA	Water	PrecSep-21	
400-284694-15	DUP-25-20251022	Total/NA	Water	PrecSep-21	
MB 160-743260/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-743260/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-277010-C-1-A DU	Duplicate	Total/NA	Water	PrecSep-21	

Prep Batch: 743262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-284694-12	MW-D1-20251022	Total/NA	Water	PrecSep_0	
400-284694-13	MW-D2-20251022	Total/NA	Water	PrecSep_0	
400-284694-14	MW-D3-20251023	Total/NA	Water	PrecSep_0	
400-284694-15	DUP-25-20251022	Total/NA	Water	PrecSep_0	
MB 160-743262/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-743262/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-277010-C-1-B DU	Duplicate	Total/NA	Water	PrecSep_0	

QC Sample Results

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-6
 SDG: Crisp County Power Commission

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-743260/1-A
Matrix: Water
Analysis Batch: 747226

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 743260

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.009482	U	0.105	0.105	1.00	0.215	pCi/L	10/31/25 15:28	12/01/25 17:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.6		30 - 110					10/31/25 15:28	12/01/25 17:18	1

Lab Sample ID: LCS 160-743260/2-A
Matrix: Water
Analysis Batch: 747226

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 743260

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	9.57	9.150		1.13	1.00	0.236	pCi/L	96	75 - 125
Carrier	%Yield	Qualifier	Limits						
Ba Carrier	82.9		30 - 110						

Lab Sample ID: 500-277010-C-1-A DU
Matrix: Water
Analysis Batch: 747376

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 743260

Analyte	Sample	Sample	DU	DU	Total	RL	MDC	Unit	RER	RER
	Result	Qual	Result	Qual	Uncert. (2σ+/-)					Limit
Radium-226	0.0720	U	0.01869	U	0.108	1.00	0.215	pCi/L		0.20
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	87.7		30 - 110							

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-743262/1-A
Matrix: Water
Analysis Batch: 747196

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 743262

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	0.09343	U	0.407	0.407	1.00	0.738	pCi/L	10/31/25 15:33	11/30/25 13:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.6		30 - 110					10/31/25 15:33	11/30/25 13:43	1
Y Carrier	83.0		30 - 110					10/31/25 15:33	11/30/25 13:43	1

QC Sample Results

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-6
 SDG: Crisp County Power Commission

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

Lab Sample ID: LCS 160-743262/2-A
Matrix: Water
Analysis Batch: 747196

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 743262

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	7.89	7.720		1.31	1.00	0.740	pCi/L	98	75 - 125
LCS LCS									
Carrier	%Yield	Qualifier	Limits						
Ba Carrier	82.9		30 - 110						
Y Carrier	81.9		30 - 110						

Lab Sample ID: 500-277010-C-1-B DU
Matrix: Water
Analysis Batch: 747193

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 743262

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	1.43		0.7762	U	0.527	1.00	0.780	pCi/L	0.55	1
DU DU										
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	87.7		30 - 110							
Y Carrier	80.0		30 - 110							

Chain of Custody Record

Client Information		Sampler: Yongji Wang & Jacob Tracy		Lab PM: Whitmore, Cheyenne R		Carrier Tracking No(s): 400-134357-29334 1	
Client Contact: Dawit Yifru		Phone: 515-708-3635		E-Mail: Cheyenne Whitmore@et.eurofins.com		Page: Page 1 of 1	
Company: Geosyntec Consultants Inc		PWSID:		Analysis Requested		Job #:	
Address: 1255 Roberts Blvd, NW Suite 200		Due Date Requested		Field Sampling Field pH		Preservation Codes: D - HNO3 N - None	
City: Kennesaw		TAT Requested (days) Standard		SM4500_S04_E - Sulfate		Other	
State Zip: GA, 30144		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		4500_F_C - Fluoride			
Phone: 770-371-6027		PO #: Purchase Order not required		2540C - Total Dissolved Solids			
Email: dyifru@geosyntec.com		Project #: 40007960		6020B - Ba,Cd,Cr,Mo			
Project Name: CCR App III/IV GW Monitoring Crisp Co		SSOW#:		6010D - Ca, Li, B			
Site: Crisp County Power Commission		Sample Date		9316_Ra226_9320_Ra228_Ra226Ra228_GFPC			
Sample Identification		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=soil, BT=leachate, AA=air)		Special Instructions/Note:	
MM-D1 - 2025 1022	10/22/25	G	1545	Water	N	X	pH = 7.14
MM-D2 - 2025 1022	10/22/25	G	1600	Water	N	X	pH = 6.578
MM-D3 - 2025 1023	10/23/25	G	1256	Water	N	X	pH = 7.530
DUP-25 - 2025 1022	10/22/25	G	0000	Water	N	X	
Possible Hazard Identification		<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant		<input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological			
Deliverable Requested I II III, IV, Other (specify)		Date		Time		Special Instructions/QC Requirements.	
Empty Kit Relinquished by: <u>Yongji Wang</u>		Date/Time: 10/22/25 1420		Company: <u>Geosyntec</u>		Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For <input type="checkbox"/> Months	
Relinquished by: <u>Yongji Wang</u>		Date/Time:		Company:		Received by: <u>MS</u>	
Relinquished by:		Date/Time:		Company:		Received by:	
Custody Seals Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: <u>0.00C/18.8</u>		Received by: <u>MS</u>	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 400-284694-6

SDG Number: Crisp County Power Commission

Login Number: 284694

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.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C 0.0°C 0.3°C 1.3°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
 Project/Site: CCR App.III/IV GW Monitoring

Job ID: 400-284694-6
 SDG: Crisp County Power Commission

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	05-06-27
ANAB	Dept. of Defense ELAP	L2305	04-06-27
ANAB	Dept. of Energy	L2305.01	04-06-27
ANAB	ISO/IEC 17025	L2305	04-06-27
Arizona	State	AZ0813	12-08-25
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	07-01-26
Connecticut	State	PH-0241	03-31-27
Florida	NELAP	E87689	06-30-26
HI - RadChem Recognition	State	n/a	06-30-26
Illinois	NELAP	200023	11-30-25 *
Iowa	State	373	12-01-26
Kansas	NELAP	E-10236	10-31-26
Kentucky (DW)	State	KY90125	12-31-25
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-25
Louisiana (All)	NELAP	106151	06-30-26
Louisiana (DW)	State	LA011	12-31-25
Maryland	State	310	10-01-26
Massachusetts	State	M-MO054	06-30-26
MI - RadChem Recognition	State	9005	06-30-26
Missouri	State	780	06-30-28
Nevada	State	MO00054	07-31-26
New Jersey	NELAP	MO002	06-30-26
New Mexico	State	MO00054	06-30-26
New York	NELAP	11616	03-31-26
North Carolina (DW)	State	29700	06-30-26
North Dakota	State	R-207	06-30-25 *
Oklahoma	NELAP	9997	12-31-25
Oregon	NELAP	4157	09-01-26
Pennsylvania	NELAP	68-00540	02-28-26
South Carolina	State	85002	06-30-26
Texas	NELAP	T104704193	07-31-26
US Fish & Wildlife	US Federal Programs	058448	07-31-26
USDA	US Federal Programs	525-23-138-94730	05-18-26
Utah	NELAP	MO00054	07-31-26
Virginia	NELAP	460230	06-14-26
Washington	State	C592	08-31-26
West Virginia DEP	State	381	11-30-26

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

APPENDIX C

Statistical Analysis Reports

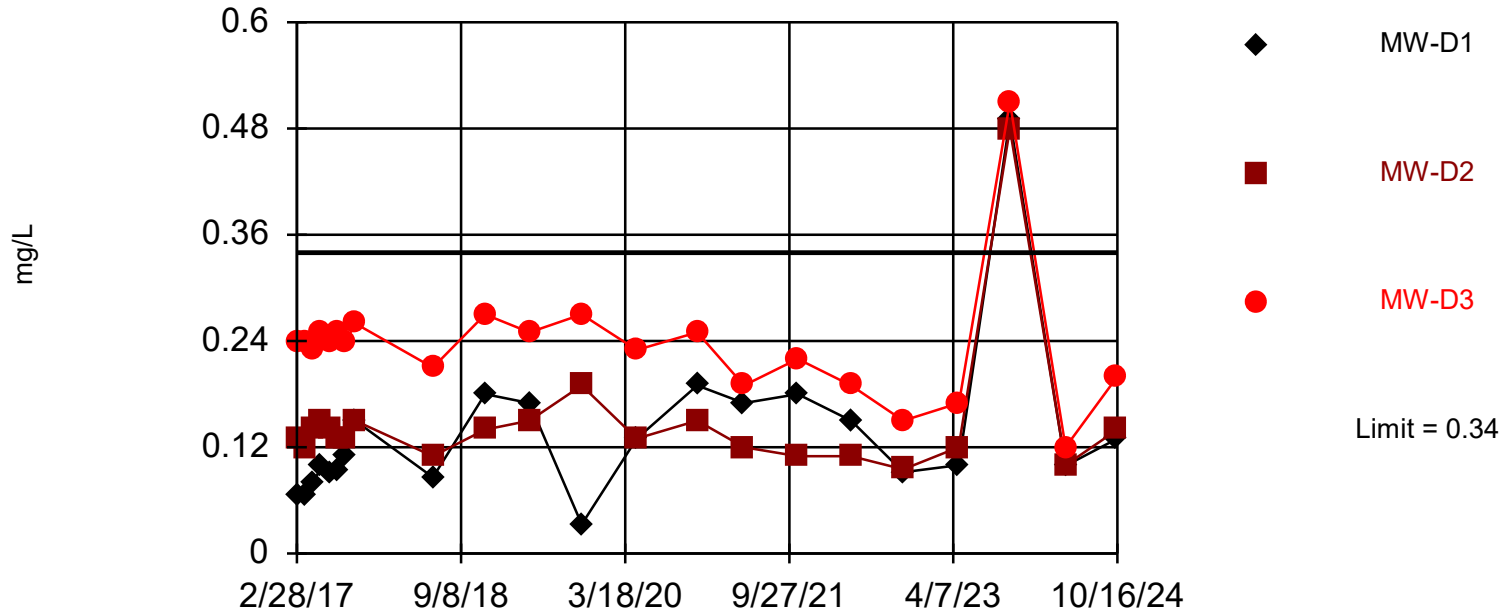
Prediction Limit

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event Printed 12/17/2024, 1:34 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-D1	0.34	n/a	10/16/20240.13	No	24	n/a	n/a	70.83	n/a	n/a		0.003103	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-D2	0.34	n/a	10/16/20240.14	No	24	n/a	n/a	70.83	n/a	n/a		0.003103	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-D3	0.34	n/a	10/16/20240.2	No	24	n/a	n/a	70.83	n/a	n/a		0.003103	NP Inter (NDs) 1 of 2
Calcium (mg/L)	MW-D1	37.95	n/a	10/16/202450	Yes	23	34.91	2.466	0	None	No		0.01741	Param Inter 1 of 2
Calcium (mg/L)	MW-D2	37.95	n/a	10/16/2024140	Yes	23	34.91	2.466	0	None	No		0.01741	Param Inter 1 of 2
Calcium (mg/L)	MW-D3	37.95	n/a	10/16/202479	Yes	23	34.91	2.466	0	None	No		0.01741	Param Inter 1 of 2
Chloride (mg/L)	MW-D1	9.833	n/a	10/16/20243.4	No	23	n/a	n/a	8.696	n/a	n/a		0.003391	NP Inter (normality) 1 of 2
Chloride (mg/L)	MW-D2	9.833	n/a	10/16/20246	No	23	n/a	n/a	8.696	n/a	n/a		0.003391	NP Inter (normality) 1 of 2
Chloride (mg/L)	MW-D3	9.833	n/a	10/16/20241.9J	No	23	n/a	n/a	8.696	n/a	n/a		0.003391	NP Inter (normality) 1 of 2
Field pH (SU)	MW-D1	9.43	5.07	10/16/20246.84	No	24	n/a	n/a	0	n/a	n/a		0.006206	NP Inter (normality) 1 of 2
Field pH (SU)	MW-D2	9.43	5.07	10/16/20246.76	No	24	n/a	n/a	0	n/a	n/a		0.006206	NP Inter (normality) 1 of 2
Field pH (SU)	MW-D3	9.43	5.07	10/16/20247.48	No	24	n/a	n/a	0	n/a	n/a		0.006206	NP Inter (normality) 1 of 2
Fluoride (mg/L)	MW-D1	0.09568	n/a	10/16/20240.078J	No	24	0.2597	0.0405	12.5	None	sqrt(x)		0.01741	Param Inter 1 of 2
Fluoride (mg/L)	MW-D2	0.09568	n/a	10/16/20240.066J	No	24	0.2597	0.0405	12.5	None	sqrt(x)		0.01741	Param Inter 1 of 2
Fluoride (mg/L)	MW-D3	0.09568	n/a	10/16/20240.13	Yes	24	0.2597	0.0405	12.5	None	sqrt(x)		0.01741	Param Inter 1 of 2
Sulfate (mg/L)	MW-D1	4.426	n/a	10/16/202416	Yes	23	0.972	0.4183	8.696	None	ln(x)		0.01741	Param Inter 1 of 2
Sulfate (mg/L)	MW-D2	4.426	n/a	10/16/202413	Yes	23	0.972	0.4183	8.696	None	ln(x)		0.01741	Param Inter 1 of 2
Sulfate (mg/L)	MW-D3	4.426	n/a	10/16/202422	Yes	23	0.972	0.4183	8.696	None	ln(x)		0.01741	Param Inter 1 of 2
Total Dissolved Solids...	MW-D1	128.3	n/a	10/16/2024130	Yes	23	102.1	21.26	0	None	No		0.01741	Param Inter 1 of 2
Total Dissolved Solids...	MW-D2	128.3	n/a	10/16/2024360	Yes	23	102.1	21.26	0	None	No		0.01741	Param Inter 1 of 2
Total Dissolved Solids...	MW-D3	128.3	n/a	10/16/2024210	Yes	23	102.1	21.26	0	None	No		0.01741	Param Inter 1 of 2

Within Limit

Prediction Limit Interwell Non-parametric



Prediction Limit

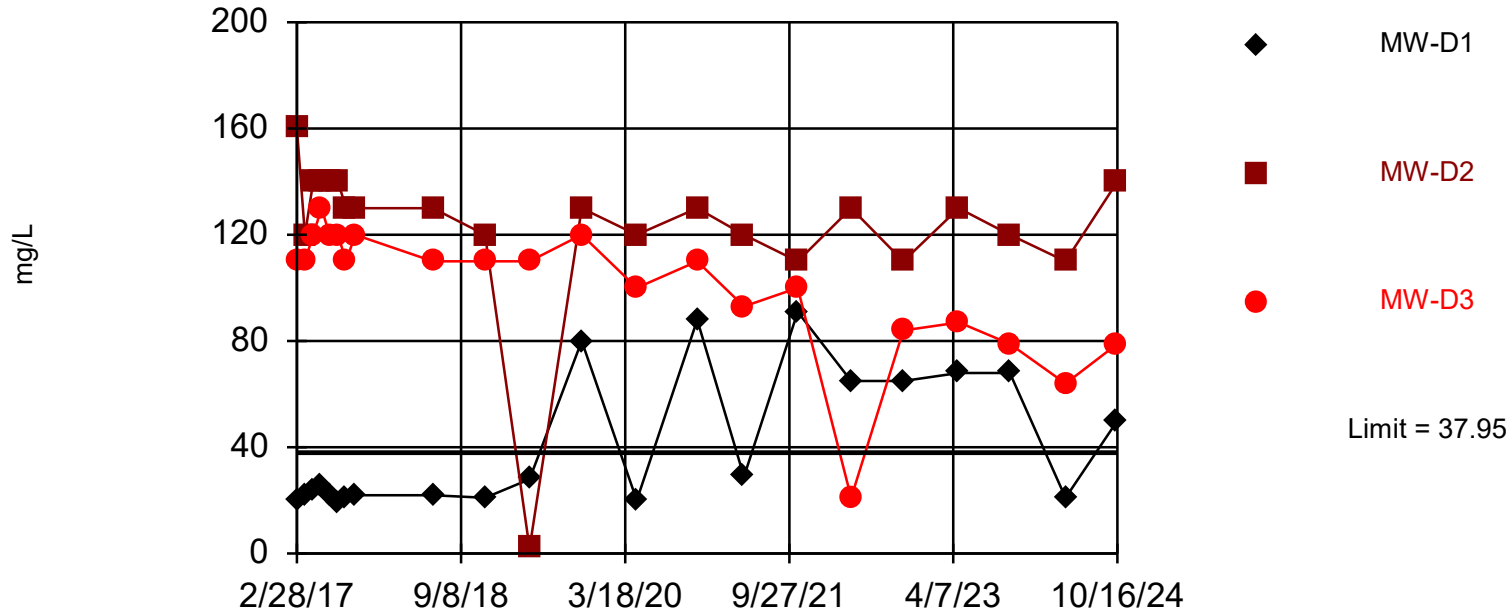
Constituent: Boron (mg/L) Analysis Run 12/17/2024 1:34 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

	MW-D1	MW-U1 (bg)	MW-D2	MW-D3
2/28/2017	0.065	<0.05	0.13	0.24
3/27/2017	0.066	<0.05	0.12	0.24
4/24/2017	0.079	<0.05	0.14	0.23
5/22/2017	0.1	<0.05	0.15	0.25
6/19/2017	0.091	<0.05	0.14	0.24
7/17/2017	0.094	<0.05	0.13	0.25
8/14/2017	0.11	<0.05	0.13	0.24
9/13/2017	0.15	<0.05	0.15	0.26
3/22/2018		0.0077		
6/5/2018	0.086	<0.05	0.11	0.21
11/29/2018	0.18	<0.05	0.14	0.27
4/29/2019	0.17	<0.05	0.15	0.25
10/23/2019	0.033	0.0051 (J)	0.19	0.27
4/27/2020	0.13	0.0042 (J)	0.13	0.23
11/19/2020	0.19	<0.05	0.15	0.25
4/26/2021	0.17	<0.05 (*)	0.12	0.19
10/26/2021	0.18	0.007 (J)	0.11 (B)	0.22
4/26/2022	0.15	0.0067 (J)	0.11	0.19
10/19/2022		<0.1		
10/20/2022	0.092 (J)		0.095 (J)	0.15
1/18/2023		<0.05 (*3+)		
4/26/2023	0.1 (B)	0.02 (JB)	0.12 (B)	
4/27/2023				0.17 (B)
10/17/2023	0.49	0.34	0.48	0.51
4/23/2024	0.099	<0.05	0.1	0.12
10/16/2024	0.13	<0.05	0.14	0.2

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

Prediction Limit Interwell Parametric



Background Data Summary: Mean=34.91, Std. Dev.=2.466, n=23. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9581, critical = 0.881. Kappa = 1.232 (c=2, w=3, 1 of 2, event alpha = 0.1). Report alpha = 0.05132. Individual comparison alpha = 0.01741. Comparing 3 points to limit.

Constituent: Calcium Analysis Run 12/17/2024 1:30 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Prediction Limit

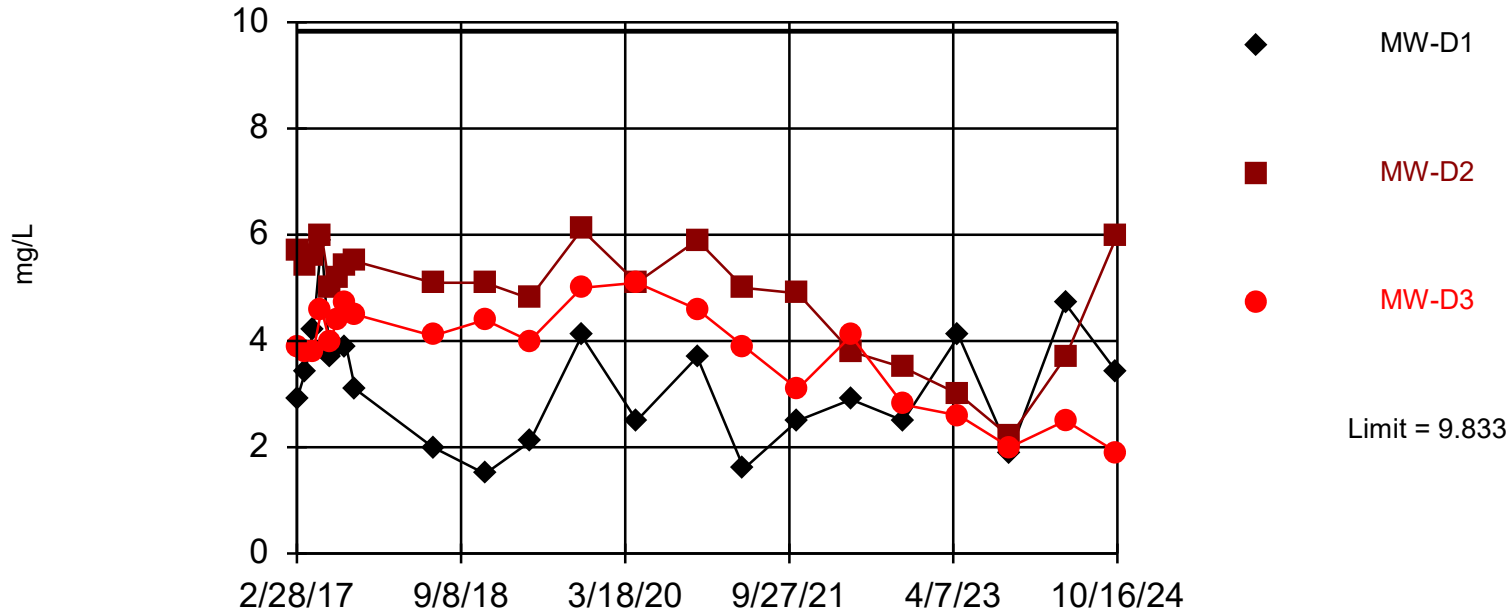
Constituent: Calcium (mg/L) Analysis Run 12/17/2024 1:34 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

	MW-D1	MW-D2	MW-D3	MW-U1 (bg)
2/28/2017	20	160	110	34
3/27/2017	22	120	110	32
4/24/2017	24	140	120	40
5/22/2017	26	140	130	36
6/19/2017	22	140	120	38
7/17/2017	19 (B)	140	120	37 (B)
8/14/2017	21	130	110	33
9/13/2017	22	130	120	35
6/5/2018	22	130	110	33
11/29/2018	21	120	110	32
4/29/2019	28	2	110	34
10/23/2019	80	130 (B)	120 (B)	38
4/27/2020	20	120	100	31
11/19/2020	88	130	110	36
4/26/2021	29	120	93 (B^)	33
10/26/2021	91	110	100	36
4/26/2022	65 (B)	130 (B)	21 (B)	34 (B)
10/19/2022				31
10/20/2022	65	110	84	
1/18/2023				36 (B)
4/26/2023	68	130		37
4/27/2023			87	
10/17/2023	68	120	79	36
4/23/2024	21	110	64	33
10/16/2024	50	140	79	38

Within Limit

Prediction Limit Interwell Non-parametric



Prediction Limit

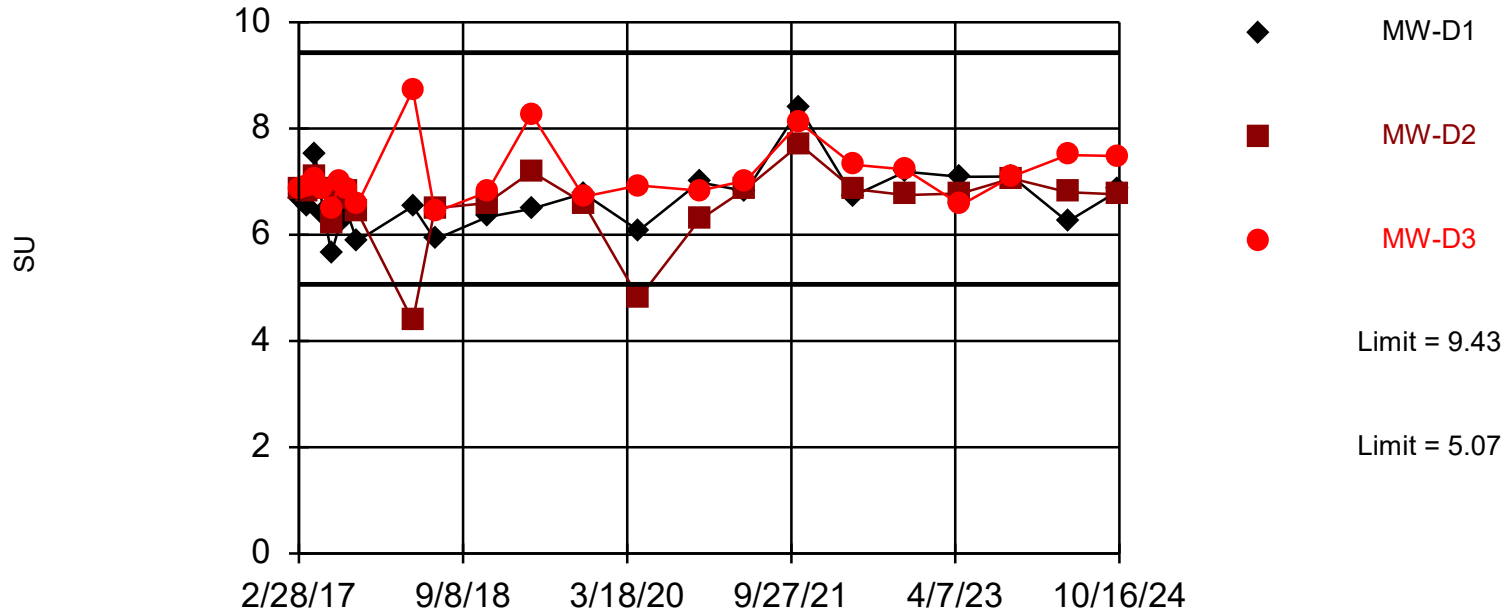
Constituent: Chloride (mg/L) Analysis Run 12/17/2024 1:34 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

	MW-D1	MW-U1 (bg)	MW-D2	MW-D3
2/28/2017	2.9	2.2	5.7 (F1)	3.9
3/27/2017	3.4	2.1	5.4	3.8
4/24/2017	4.2	1.8 (J)	5.6	3.8
5/22/2017	5.9	2.6	6	4.6
6/19/2017	3.7	1.9 (J)	5	4
7/17/2017	3.9	2.2	5.2	4.4
8/14/2017	3.9	2	5.4	4.7
9/13/2017	3.1	2.2	5.5	4.5
6/5/2018	2	1.8 (J)	5.1	4.1
11/29/2018	1.5 (J)	1.7 (J)	5.1	4.4
4/29/2019	2.1	1.4 (J)	4.8	4
10/23/2019	4.1	9.8 (D)	6.1	5
4/27/2020	2.5	2.4	5.1	5.1
11/19/2020	3.7	2.4	5.9	4.6
4/26/2021	1.6 (J)	9.833 (F1D)	5	3.9
10/26/2021	2.5	1.7 (J)	4.9	3.1
4/26/2022	2.9	1.9 (J)	3.8	4.1
10/19/2022		<2		
10/20/2022	2.5		3.5	2.8
1/18/2023		2.2		
4/26/2023	4.1	1.7 (J)	3	
4/27/2023				2.6
10/17/2023	1.9 (J)	1.9 (J)	2.2	2
4/23/2024	4.7	1.5 (J)	3.7	2.5
10/16/2024	3.4	<2	6	1.9 (J)

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 24 background values. Annual per-constituent alpha = 0.01856. Individual comparison alpha = 0.006206 (1 of 2). Comparing 3 points to limit. Seasonality was not detected with 95% confidence.

Constituent: Field pH Analysis Run 12/17/2024 1:30 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Prediction Limit

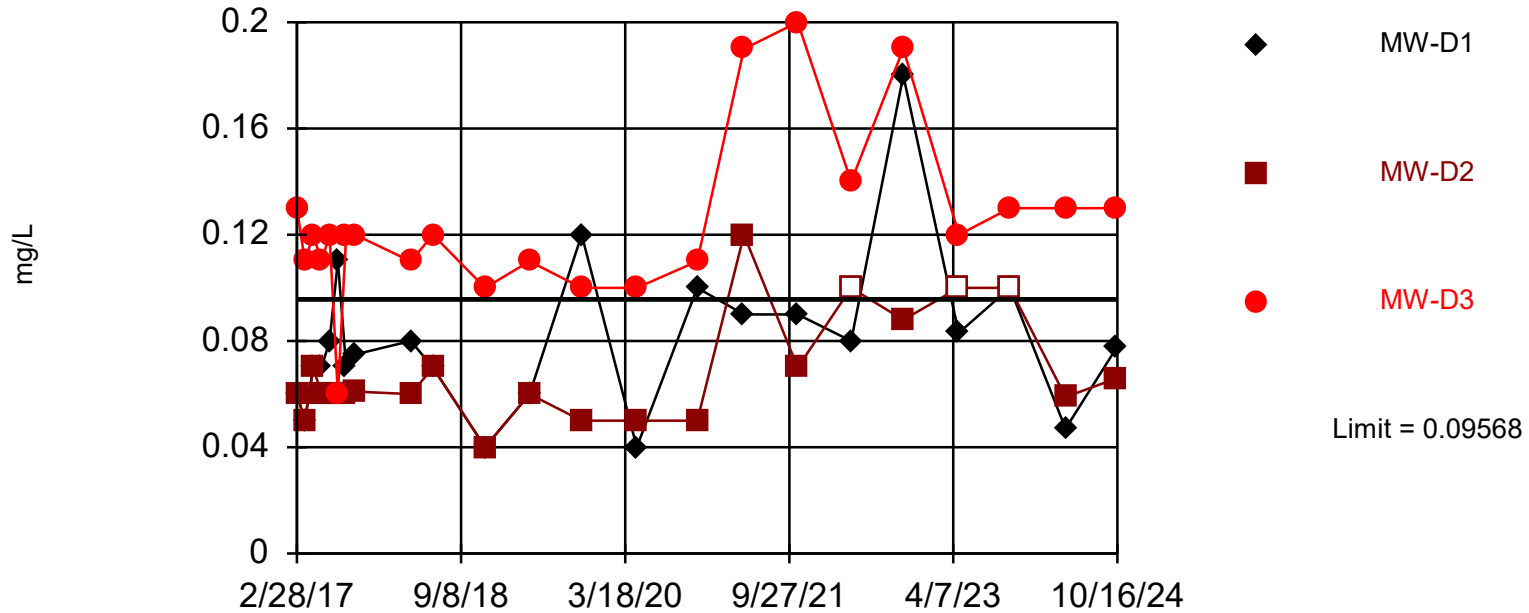
Constituent: Field pH (SU) Analysis Run 12/17/2024 1:34 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

	MW-D1	MW-U1 (bg)	MW-D2	MW-D3
2/28/2017	6.67	7.74	6.85	6.87
3/27/2017	6.55	7.78	6.83	6.92
4/24/2017	7.5	7.45	7.1	7.03
5/22/2017	6.39	7.77	6.86	6.88
6/19/2017	5.66	5.07	6.22	6.47
7/17/2017	6.2	6.37	6.68	7.01
8/14/2017	6.36	7.45	6.81	6.86
9/13/2017	5.88	7.63	6.44	6.56
3/22/2018	6.54	7.87	4.38	8.73
6/5/2018	5.91	6.74	6.5	6.42
11/29/2018	6.33	7.72	6.6	6.8
4/29/2019	6.49	7.84	7.19	8.27
10/23/2019	6.78	7.54	6.6	6.72
4/27/2020	6.08	6.05	4.8	6.93
11/19/2020	6.99	7.47	6.28	6.83
4/26/2021	6.82	7.91	6.87	7.02
10/26/2021	8.38	9.28	7.7	8.11
4/26/2022	6.73	8.1	6.86	7.32
10/19/2022		7.98		
10/20/2022	7.19		6.75	7.23
1/18/2023		9.43		
4/26/2023	7.09	7.82	6.78	
4/27/2023				6.56
10/17/2023	7.1	8.1	7.06	7.1
4/23/2024	6.25	7.92	6.8	7.5
10/16/2024	6.84	7.95	6.76	7.48

Exceeds Limit: MW-D3

Prediction Limit Interwell Parametric



Background Data Summary (based on square root transformation): Mean=0.2597, Std. Dev.=0.0405, n=24, 12.5% NDs. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9168, critical = 0.884. Kappa = 1.226 (c=2, w=3, 1 of 2, event alpha = 0.1). Report alpha = 0.05132. Individual comparison alpha = 0.01741. Comparing 3 points to limit.

Constituent: Fluoride Analysis Run 12/17/2024 1:30 PM

Prediction Limit

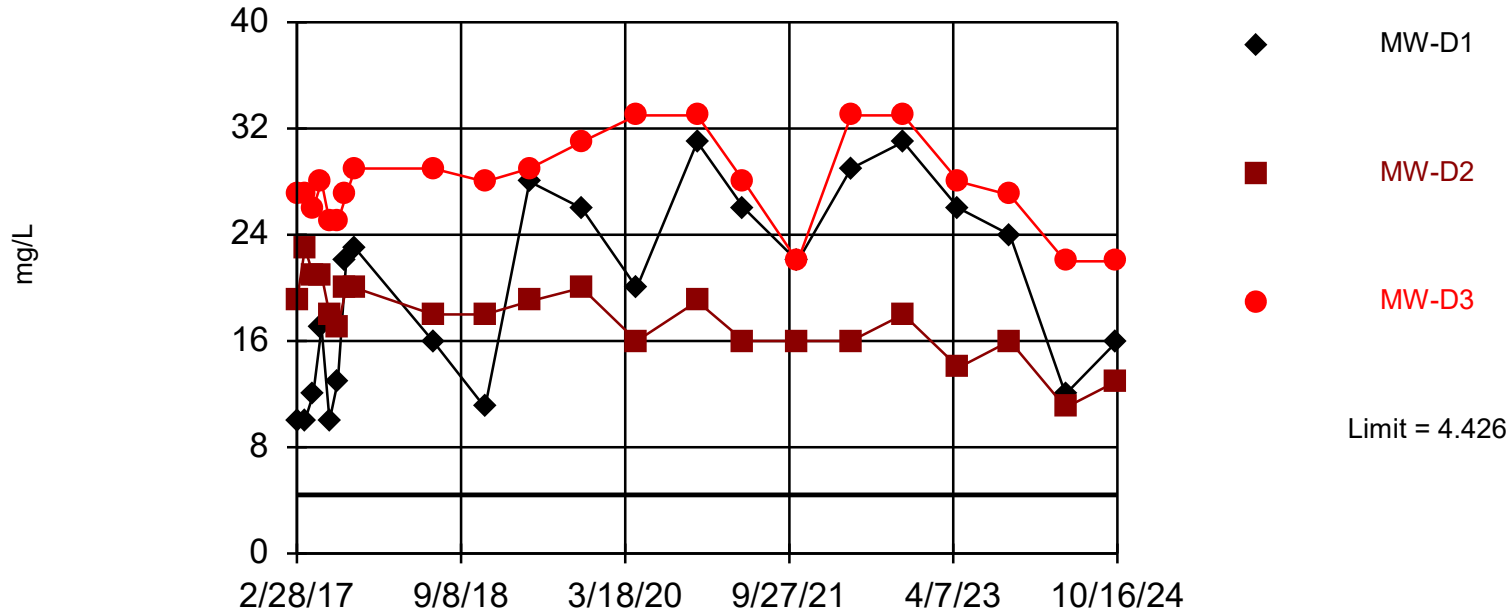
Constituent: Fluoride (mg/L) Analysis Run 12/17/2024 1:34 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

	MW-D1	MW-D2	MW-D3	MW-U1 (bg)
2/28/2017	0.06 (J)	0.06 (J)	0.13	0.06 (J)
3/27/2017	0.05 (J)	0.05 (J)	0.11	0.04 (J)
4/24/2017	0.07 (J)	0.07 (J)	0.12	0.06 (J)
5/22/2017	0.07 (J)	0.06 (J)	0.11	0.06 (J)
6/19/2017	0.08 (J)	0.06 (J)	0.12	0.06 (J)
7/17/2017	0.11	0.06 (J)	0.06 (J)	0.06 (J)
8/14/2017	0.07 (J)	0.06 (J)	0.12	0.05 (J)
9/13/2017	0.075 (J)	0.061 (J)	0.12	0.058 (J)
3/22/2018	0.08 (J)	0.06 (J)	0.11	0.07 (J)
6/5/2018	0.07 (J)	0.07 (J)	0.12	0.06 (J)
11/29/2018	0.04 (J)	0.04 (J)	0.1	0.04 (J)
4/29/2019	0.06 (J)	0.06 (J)	0.11	<0.1
10/23/2019	0.12 (B)	0.05 (JB)	0.1 (B)	0.05 (JB)
4/27/2020	0.04 (J)	0.05 (J)	0.1	0.05 (J)
11/19/2020	0.1	0.05 (J)	0.11	0.07 (J)
4/26/2021	0.09 (JB)	0.12 (B)	0.19 (B)	0.1 (B)
10/26/2021	0.09 (J)	0.07 (J)	0.2 (F1)	<0.1
4/26/2022	0.08 (J)	<0.1	0.14	0.07 (J)
10/19/2022				0.13
10/20/2022	0.18	0.088 (J)	0.19	
1/18/2023				0.075 (J)
4/26/2023	0.083 (J)	<0.1		<0.1
4/27/2023			0.12	
10/17/2023	0.1	<0.1	0.13	0.079 (J)
4/23/2024	0.047 (J)	0.059 (J)	0.13	0.05 (J)
10/16/2024	0.078 (J)	0.066 (J)	0.13	0.064 (J)

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

Prediction Limit Interwell Parametric



Prediction Limit

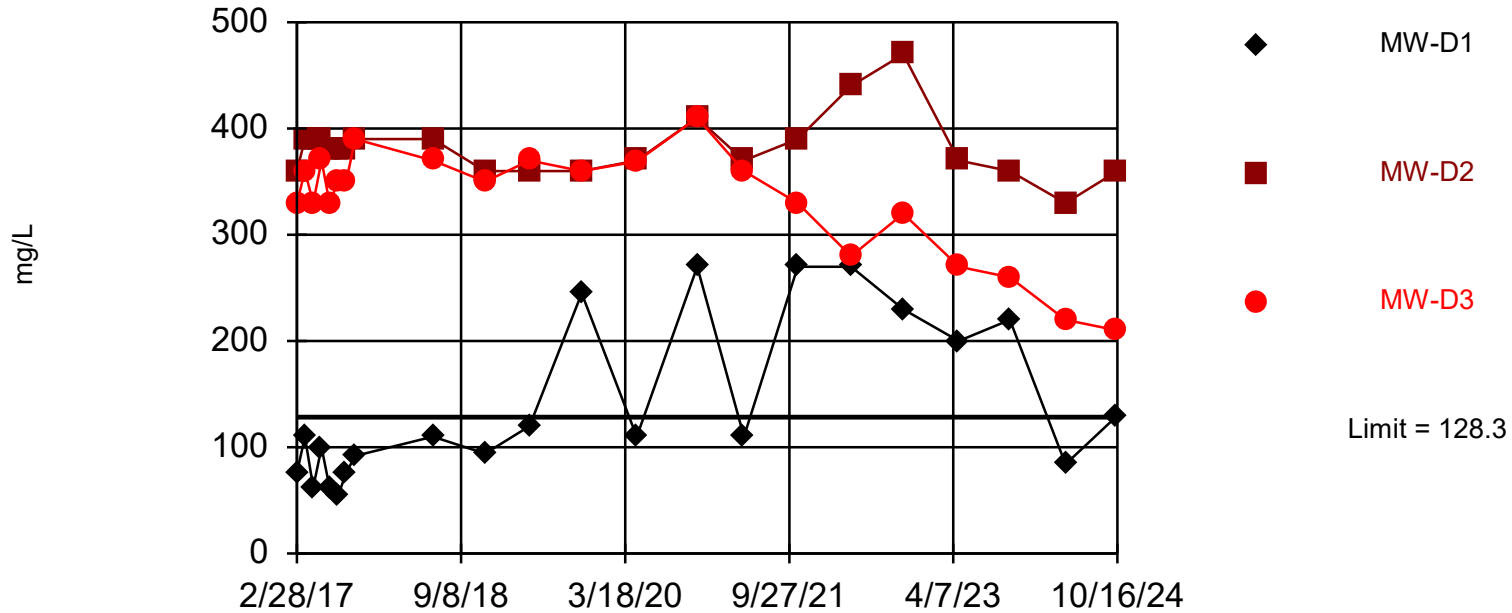
Constituent: Sulfate (mg/L) Analysis Run 12/17/2024 1:34 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

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

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

Prediction Limit Interwell Parametric



Background Data Summary: Mean=102.1, Std. Dev.=21.26, n=23. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9134, critical = 0.881. Kappa = 1.232 (c=2, w=3, 1 of 2, event alpha = 0.1). Report alpha = 0.05132. Individual comparison alpha = 0.01741. Comparing 3 points to limit.

Constituent: Total Dissolved Solids Analysis Run 12/17/2024 1:30 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/17/2024 1:34 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

	MW-D1	MW-D2	MW-D3	MW-U1 (bg)
2/28/2017	76	360	330	80
3/27/2017	110	390	360	120
4/24/2017	62	390	330	44
5/22/2017	100	390	370	100
6/19/2017	62	380	330	92
7/17/2017	54	380	350	78
8/14/2017	76	380	350	86
9/13/2017	92	390	390	110
6/5/2018	110	390	370	110
11/29/2018	94	360	350	66
4/29/2019	120	360	370	120
10/23/2019	245 (D)	360	360	120
4/27/2020	110	370	369 (D)	120
11/19/2020	270	410	410	130
4/26/2021	110	370	360	98
10/26/2021	270	390	330	86
4/26/2022	270	440	280	98
10/19/2022				130
10/20/2022	230	470	320	
1/18/2023				110
4/26/2023	200	370		110
4/27/2023			270	
10/17/2023	220 (H)	360 (H)	260 (H)	110 (H)
4/23/2024	84	330	220	120
10/16/2024	130 (H)	360 (H)	210 (H)	110 (H)

Summary Report

Constituent: Antimony Analysis Run 12/27/2024 4:01 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

For observations made between 2/28/2017 and 10/16/2024, a summary of the selected data set:

Observations = 62

ND/Trace = 62

Wells = 4

Minimum Value = 0.0005

Maximum Value = 0.0025

Mean Value = 0.002371

Median Value = 0.0025

Standard Deviation = 0.0004954

Coefficient of Variation = 0.2089

Skewness = -3.545

<u>Well</u>	<u>#Obs.</u>	<u>ND/Trace</u>	<u>Min</u>	<u>Max</u>	<u>Mean</u>	<u>Median</u>	<u>Std.Dev.</u>	<u>CV</u>	<u>Skewness</u>
MW-D1	15	15	0.0005	0.0025	0.002367	0.0025	0.0005164	0.2182	-3.474
MW-D2	15	15	0.0005	0.0025	0.002367	0.0025	0.0005164	0.2182	-3.474
MW-D3	15	15	0.0005	0.0025	0.002367	0.0025	0.0005164	0.2182	-3.474
MW-U1 (bg)	17	17	0.0005	0.0025	0.002382	0.0025	0.0004851	0.2036	-3.75

Summary Report

Constituent: Arsenic Analysis Run 12/27/2024 4:01 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

For observations made between 2/28/2017 and 10/16/2024, a summary of the selected data set:

Observations = 89

ND/Trace = 82

Wells = 4

Minimum Value = 0.00015

Maximum Value = 0.0025

Mean Value = 0.001231

Median Value = 0.0013

Standard Deviation = 0.0004118

Coefficient of Variation = 0.3344

Skewness = 0.4247

<u>Well</u>	<u>#Obs.</u>	<u>ND/Trace</u>	<u>Min</u>	<u>Max</u>	<u>Mean</u>	<u>Median</u>	<u>Std.Dev.</u>	<u>CV</u>	<u>Skewness</u>
MW-D1	22	22	0.00025	0.0025	0.001307	0.0013	0.0003479	0.2662	0.6001
MW-D2	22	18	0.00027	0.0025	0.001233	0.0013	0.0004035	0.3272	0.4668
MW-D3	22	6	0.00048	0.0025	0.00109	0.00105	0.0004623	0.424	1.072
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 12/27/2024 4:01 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

For observations made between 2/28/2017 and 10/16/2024, a summary of the selected data set:

Observations = 93

ND/Trace = 15

Wells = 4

Minimum Value = 0.0018

Maximum Value = 0.23

Mean Value = 0.0715

Median Value = 0.027

Standard Deviation = 0.07283

Coefficient of Variation = 1.019

Skewness = 0.5657

<u>Well</u>	<u>#Obs.</u>	<u>ND/Trace</u>	<u>Min</u>	<u>Max</u>	<u>Mean</u>	<u>Median</u>	<u>Std.Dev.</u>	<u>CV</u>	<u>Skewness</u>
MW-D1	23	0	0.0095	0.027	0.01467	0.014	0.004561	0.311	1.235
MW-D2	23	0	0.087	0.19	0.1433	0.14	0.0236	0.1646	-0.1336
MW-D3	23	0	0.038	0.23	0.1284	0.13	0.06521	0.5077	0.1357
MW-U1 (bg)	24	0	0.0018	0.0062	0.002538	0.0022	0.0009306	0.3667	2.762

Summary Report

Constituent: Beryllium Analysis Run 12/27/2024 4:01 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

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

Observations = 61

ND/Trace = 61

Wells = 4

Minimum Value = 0.0004

Maximum Value = 0.0025

Mean Value = 0.001928

Median Value = 0.002

Standard Deviation = 0.0004267

Coefficient of Variation = 0.2213

Skewness = -2.92

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

Summary Report

Constituent: Cadmium Analysis Run 12/27/2024 4:01 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

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

Observations = 65

ND/Trace = 65

Wells = 4

Minimum Value = 0.000071

Maximum Value = 0.0025

Mean Value = 0.001039

Median Value = 0.001

Standard Deviation = 0.0004312

Coefficient of Variation = 0.4149

Skewness = 1.862

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

Summary Report

Constituent: Chromium Analysis Run 12/27/2024 4:01 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

For observations made between 2/28/2017 and 10/16/2024, a summary of the selected data set:

Observations = 85

ND/Trace = 79

Wells = 4

Minimum Value = 0.0005

Maximum Value = 0.0051

Mean Value = 0.002309

Median Value = 0.0025

Standard Deviation = 0.0008179

Coefficient of Variation = 0.3542

Skewness = 0.7586

<u>Well</u>	<u>#Obs.</u>	<u>ND/Trace</u>	<u>Min</u>	<u>Max</u>	<u>Mean</u>	<u>Median</u>	<u>Std.Dev.</u>	<u>CV</u>	<u>Skewness</u>
MW-D1	21	18	0.0005	0.005	0.002486	0.0025	0.000792	0.3186	0.7785
MW-D2	21	18	0.0005	0.0038	0.00241	0.0025	0.0006008	0.2493	-1.424
MW-D3	21	18	0.0005	0.0037	0.002443	0.0025	0.0005555	0.2274	-1.691
MW-U1 (bg)	22	2	0.0011	0.0051	0.001918	0.00145	0.001105	0.5762	2.121

Summary Report

Constituent: Cobalt Analysis Run 12/27/2024 4:01 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

For observations made between 2/28/2017 and 10/16/2024, a summary of the selected data set:

Observations = 82

ND/Trace = 81

Wells = 4

Minimum Value = 0.00035

Maximum Value = 0.0025

Mean Value = 0.002112

Median Value = 0.0025

Standard Deviation = 0.0006787

Coefficient of Variation = 0.3213

Skewness = -1.372

<u>Well</u>	<u>#Obs.</u>	<u>ND/Trace</u>	<u>Min</u>	<u>Max</u>	<u>Mean</u>	<u>Median</u>	<u>Std.Dev.</u>	<u>CV</u>	<u>Skewness</u>
MW-D1	20	19	0.0005	0.0025	0.002355	0.0025	0.0004807	0.2041	-3.287
MW-D2	20	18	0.00047	0.0025	0.002323	0.0025	0.00055	0.2367	-2.787
MW-D3	20	5	0.00035	0.0025	0.00149	0.00135	0.0006749	0.4528	0.3901
MW-U1 (bg)	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 12/27/2024 4:01 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

For observations made between 2/28/2017 and 10/16/2024, a summary of the selected data set:

Observations = 92

ND/Trace = 26

Wells = 4

Minimum Value = -0.15

Maximum Value = 1.72

Mean Value = 0.482

Median Value = 0.473

Standard Deviation = 0.3321

Coefficient of Variation = 0.689

Skewness = 0.9416

<u>Well</u>	<u>#Obs.</u>	<u>ND/Trace</u>	<u>Min</u>	<u>Max</u>	<u>Mean</u>	<u>Median</u>	<u>Std.Dev.</u>	<u>CV</u>	<u>Skewness</u>
MW-D1	23	6	0.0994	1.42	0.4849	0.439	0.3205	0.6609	1.049
MW-D2	23	6	0.0139	1.28	0.5402	0.506	0.2922	0.5409	0.6272
MW-D3	23	7	0	1.28	0.5394	0.545	0.2971	0.5508	0.5732
MW-U1 (bg)	23	7	-0.15	1.72	0.3634	0.298	0.3977	1.094	1.702

Summary Report

Constituent: Fluoride Analysis Run 12/27/2024 4:01 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

For observations made between 2/28/2017 and 10/16/2024, a summary of the selected data set:

Observations = 93

ND/Trace = 63

Wells = 4

Minimum Value = 0.04

Maximum Value = 0.2

Mean Value = 0.0853

Median Value = 0.075

Standard Deviation = 0.03485

Coefficient of Variation = 0.4086

Skewness = 1.147

<u>Well</u>	<u>#Obs.</u>	<u>ND/Trace</u>	<u>Min</u>	<u>Max</u>	<u>Mean</u>	<u>Median</u>	<u>Std.Dev.</u>	<u>CV</u>	<u>Skewness</u>
MW-D1	23	0	0.04	0.18	0.08013	0.078	0.0301	0.3756	1.518
MW-D2	23	3	0.04	0.12	0.068	0.06	0.02006	0.295	1.135
MW-D3	23	0	0.06	0.2	0.1248	0.12	0.03146	0.2521	0.9703
MW-U1 (bg)	24	3	0.04	0.13	0.069	0.06	0.02232	0.3235	1.059

Summary Report

Constituent: Lead Analysis Run 12/27/2024 4:01 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

For observations made between 2/28/2017 and 10/16/2024, a summary of the selected data set:

Observations = 62

ND/Trace = 62

Wells = 4

Minimum Value = 0.00025

Maximum Value = 0.0013

Mean Value = 0.001186

Median Value = 0.0013

Standard Deviation = 0.0003078

Coefficient of Variation = 0.2596

Skewness = -2.423

<u>Well</u>	<u>#Obs.</u>	<u>ND/Trace</u>	<u>Min</u>	<u>Max</u>	<u>Mean</u>	<u>Median</u>	<u>Std.Dev.</u>	<u>CV</u>	<u>Skewness</u>
MW-D1	15	14	0.00025	0.0013	0.001197	0.0013	0.0002918	0.2439	-2.667
MW-D2	15	13	0.00025	0.0013	0.001115	0.0013	0.0003866	0.3468	-1.555
MW-D3	15	15	0.00025	0.0013	0.00123	0.0013	0.0002711	0.2204	-3.474
MW-U1 (bg)	17	16	0.00025	0.0013	0.0012	0.0013	0.000291	0.2425	-2.637

Summary Report

Constituent: Lithium Analysis Run 12/27/2024 4:01 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

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

Observations = 73

ND/Trace = 71

Wells = 4

Minimum Value = 0.00034

Maximum Value = 0.0058

Mean Value = 0.002477

Median Value = 0.0025

Standard Deviation = 0.0008673

Coefficient of Variation = 0.3501

Skewness = 0.8568

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

Summary Report

Constituent: Mercury Analysis Run 12/27/2024 4:01 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

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

Observations = 61

ND/Trace = 61

Wells = 4

Minimum Value = 0.000077

Maximum Value = 0.0002

Mean Value = 0.000193

Median Value = 0.0002

Standard Deviation = 0.00002549

Coefficient of Variation = 0.132

Skewness = -3.576

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

Summary Report

Constituent: Molybdenum Analysis Run 12/27/2024 4:01 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

For observations made between 2/28/2017 and 10/16/2024, a summary of the selected data set:

Observations = 85

ND/Trace = 85

Wells = 4

Minimum Value = 0.0011

Maximum Value = 0.02

Mean Value = 0.008428

Median Value = 0.01

Standard Deviation = 0.004118

Coefficient of Variation = 0.4886

Skewness = 0.0867

<u>Well</u>	<u>#Obs.</u>	<u>ND/Trace</u>	<u>Min</u>	<u>Max</u>	<u>Mean</u>	<u>Median</u>	<u>Std.Dev.</u>	<u>CV</u>	<u>Skewness</u>
MW-D1	21	21	0.002	0.02	0.01033	0.01	0.003055	0.2957	0.7647
MW-D2	21	18	0.0012	0.02	0.009157	0.01	0.004349	0.475	-0.07089
MW-D3	21	4	0.0017	0.01	0.00481	0.0032	0.003115	0.6477	0.7594
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 12/27/2024 4:01 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

For observations made between 2/28/2017 and 10/16/2024, a summary of the selected data set:

Observations = 74

ND/Trace = 67

Wells = 4

Minimum Value = 0.00021

Maximum Value = 0.0028

Mean Value = 0.001171

Median Value = 0.0013

Standard Deviation = 0.000473

Coefficient of Variation = 0.4038

Skewness = 0.4532

<u>Well</u>	<u>#Obs.</u>	<u>ND/Trace</u>	<u>Min</u>	<u>Max</u>	<u>Mean</u>	<u>Median</u>	<u>Std.Dev.</u>	<u>CV</u>	<u>Skewness</u>
MW-D1	18	15	0.00025	0.0014	0.001167	0.0013	0.0003393	0.2907	-2.094
MW-D2	18	14	0.00025	0.0026	0.001204	0.0013	0.0004948	0.411	0.4786
MW-D3	18	12	0.00021	0.0028	0.001279	0.0013	0.0006516	0.5093	0.5997
MW-U1 (bg)	20	13	0.00039	0.0013	0.001049	0.0013	0.0003601	0.3434	-0.7762

Summary Report

Constituent: Thallium Analysis Run 12/27/2024 4:01 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

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

Observations = 77

ND/Trace = 75

Wells = 4

Minimum Value = 0.000085

Maximum Value = 0.0005

Mean Value = 0.0003714

Median Value = 0.0005

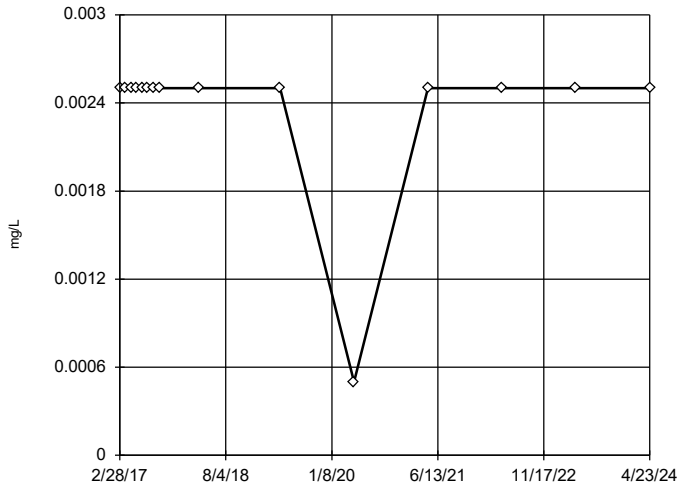
Standard Deviation = 0.0001824

Coefficient of Variation = 0.491

Skewness = -0.7153

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

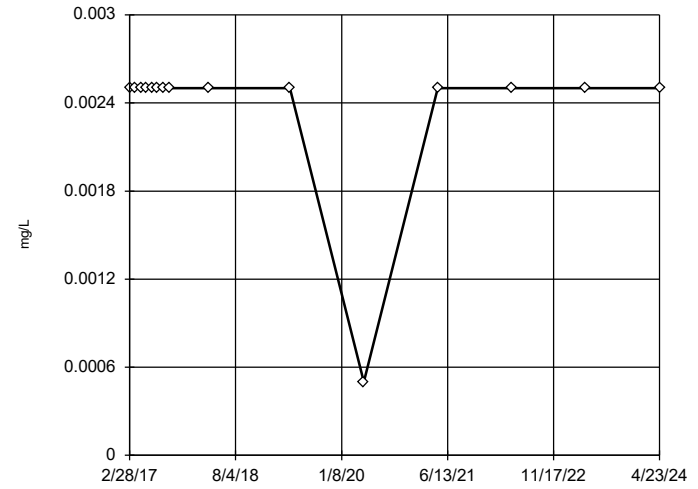
Tukey's Outlier Screening MW-D1



n = 15
 No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.
 Data were x^{0.5} transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 12/27/2024 4:02 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

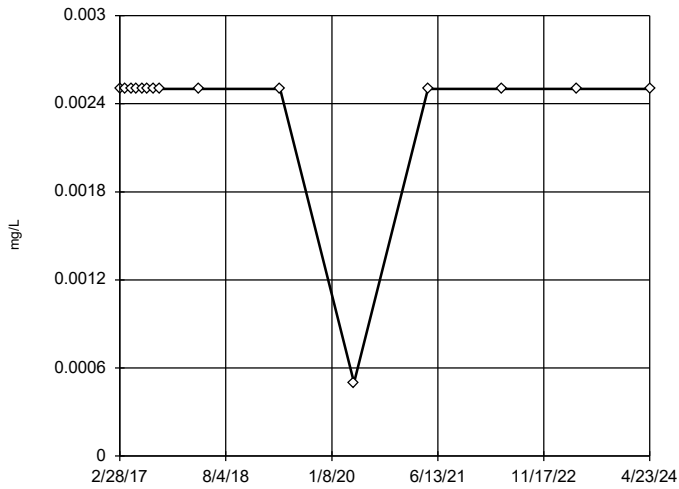
Tukey's Outlier Screening MW-D2



n = 15
 No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.
 Data were x^{0.5} transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 12/27/2024 4:02 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

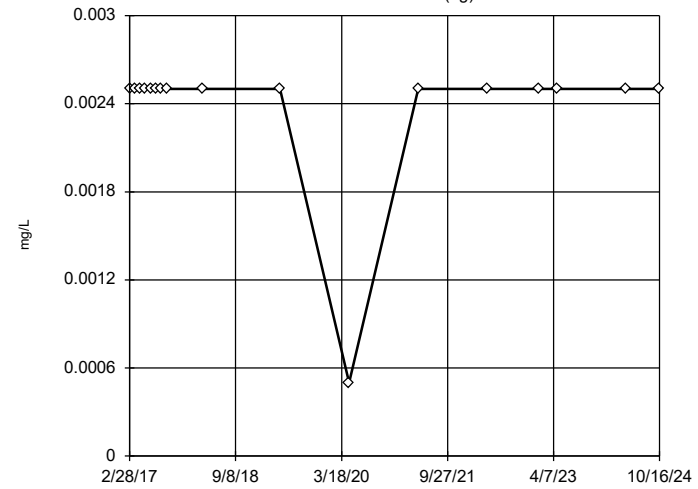
Tukey's Outlier Screening MW-D3



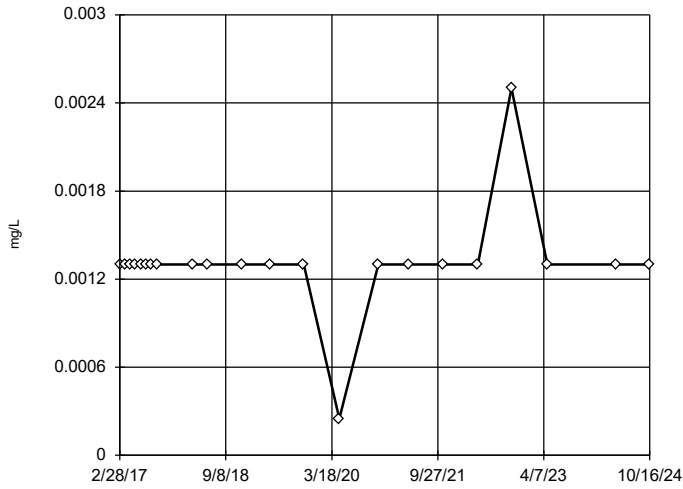
n = 15
 No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.
 Data were x^{0.5} transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 12/27/2024 4:02 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

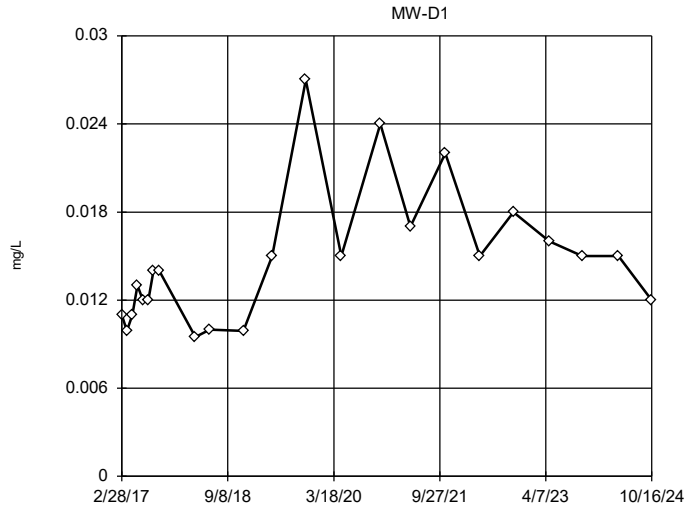
Tukey's Outlier Screening MW-U1 (bg)



Tukey's Outlier Screening MW-D1



EPA Screening (suspected outliers for Rosner's Test)

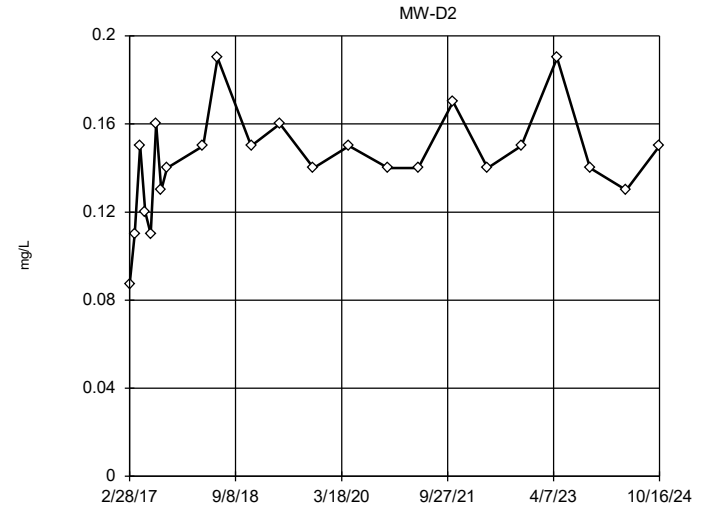


n = 23
 Rosner's will not be run.
 No suspect values identified or unable to establish suspect values.
 Mean 0.01467, std. dev. 0.004561, critical Tn 2.624
 Normality test used:
 Shapiro Wilk@alpha = 0.1
 Calculated = 0.9377
 Critical = 0.928 (after natural log transformation)
 The distribution was found to be log-normal.

Constituent: Barium Analysis Run 12/27/2024 4:02 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Rosner's Outlier Test

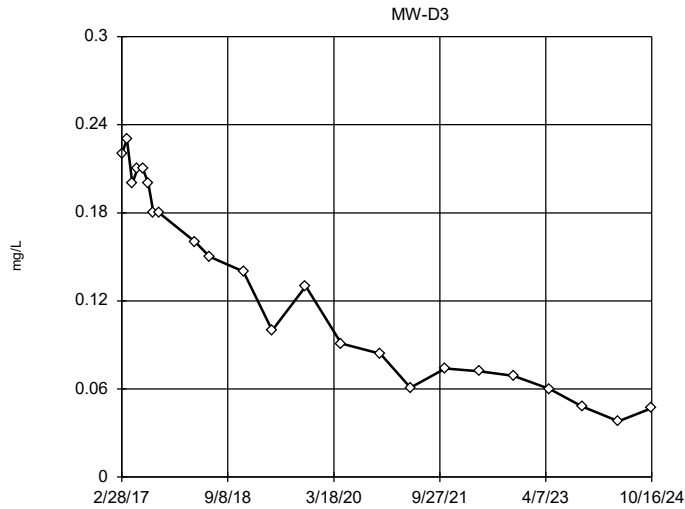


n = 23
 No statistical outliers.
 k = 1
 r = 2.388
 Tabulated value = 2.808
 Alpha = 0.01
 Normality test used:
 Shapiro Wilk@alpha = 0.1
 Calculated = 0.9289
 Critical = 0.926
 The distribution was found to be normally distributed.

Constituent: Barium Analysis Run 12/27/2024 4:02 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Tukey's Outlier Screening

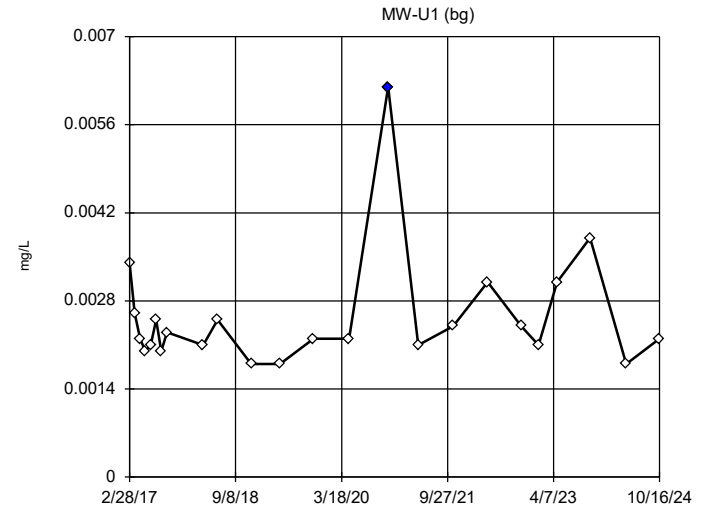


n = 23
 No outliers found.
 Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.
 Data were cube root transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 1.363, low cutoff = -0.001473, based on IQR multiplier of 3.

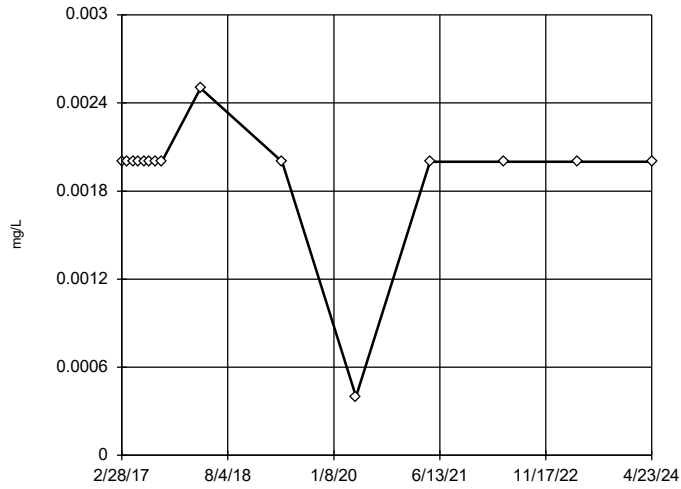
Constituent: Barium Analysis Run 12/27/2024 4:02 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Tukey's Outlier Screening



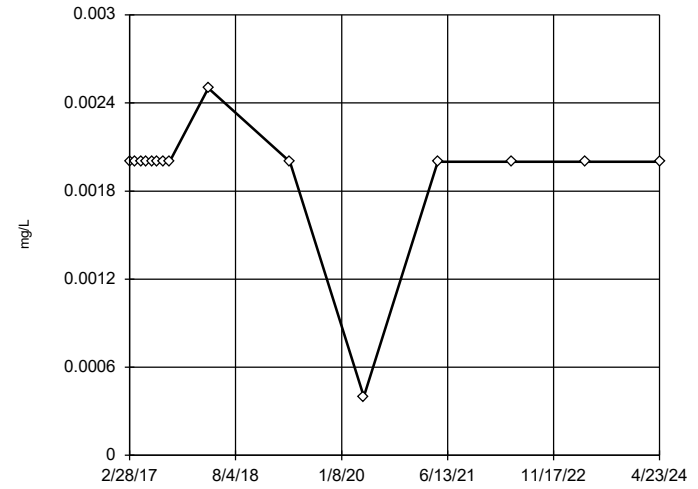
Tukey's Outlier Screening MW-D1



n = 15
 No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.
 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 12/27/2024 4:02 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

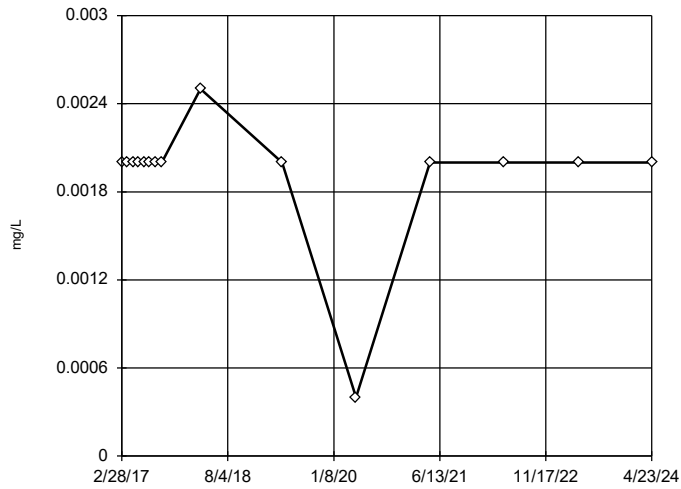
Tukey's Outlier Screening MW-D2



n = 15
 No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.
 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 12/27/2024 4:02 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

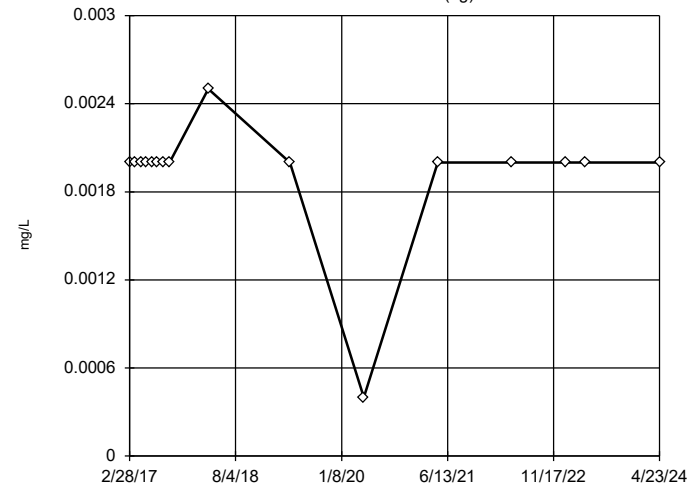
Tukey's Outlier Screening MW-D3



n = 15
 No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.
 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 12/27/2024 4:02 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

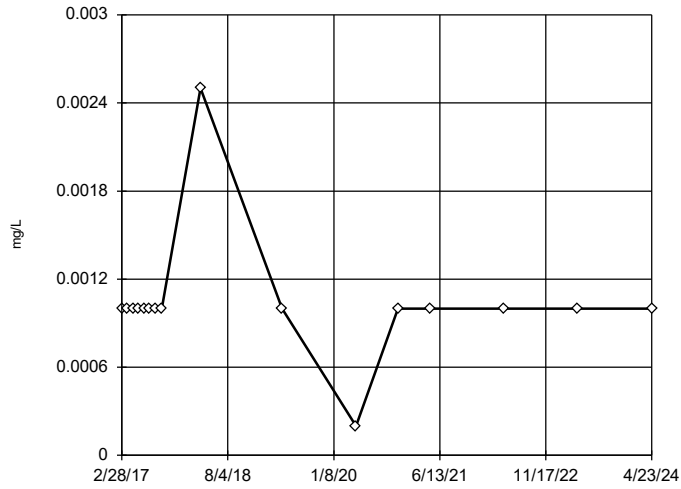
Tukey's Outlier Screening MW-U1 (bg)



n = 16
 No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.
 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 12/27/2024 4:02 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Tukey's Outlier Screening MW-D1



n = 16

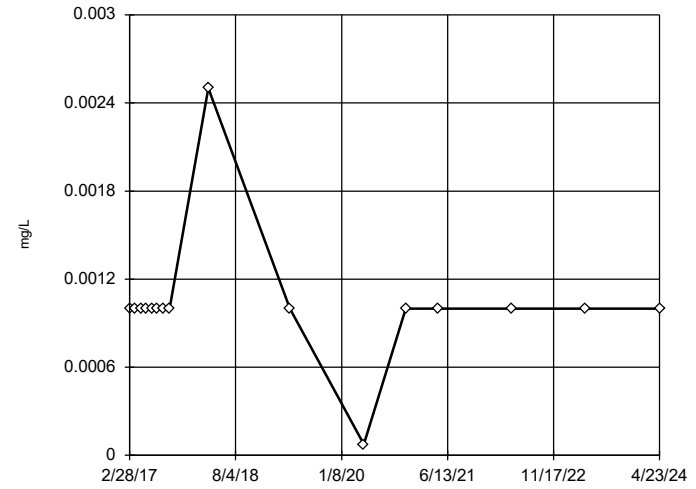
No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

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 12/27/2024 4:02 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Tukey's Outlier Screening MW-D2



n = 16

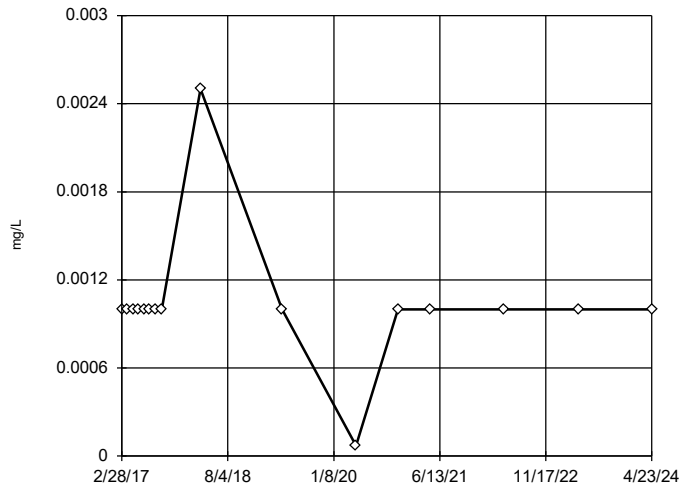
No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

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.

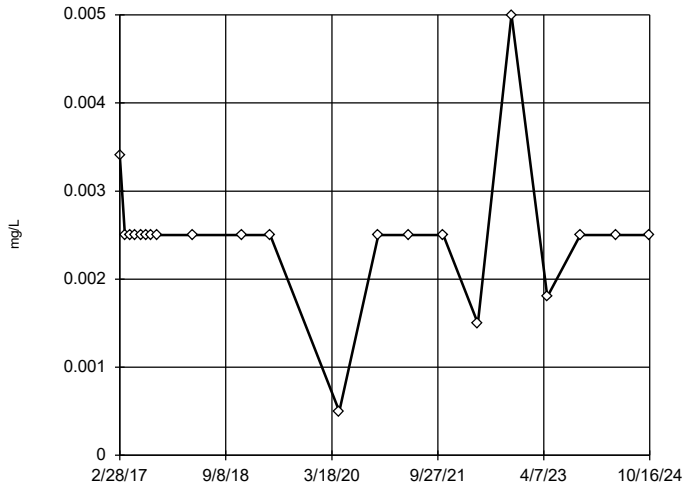
Constituent: Cadmium Analysis Run 12/27/2024 4:02 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Tukey's Outlier Screening MW-D3

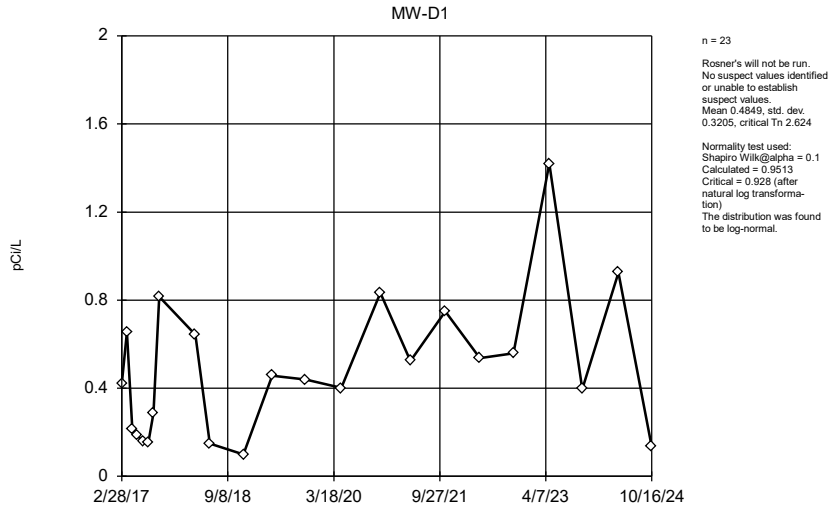


Tukey's Outlier Screening

MW-D1

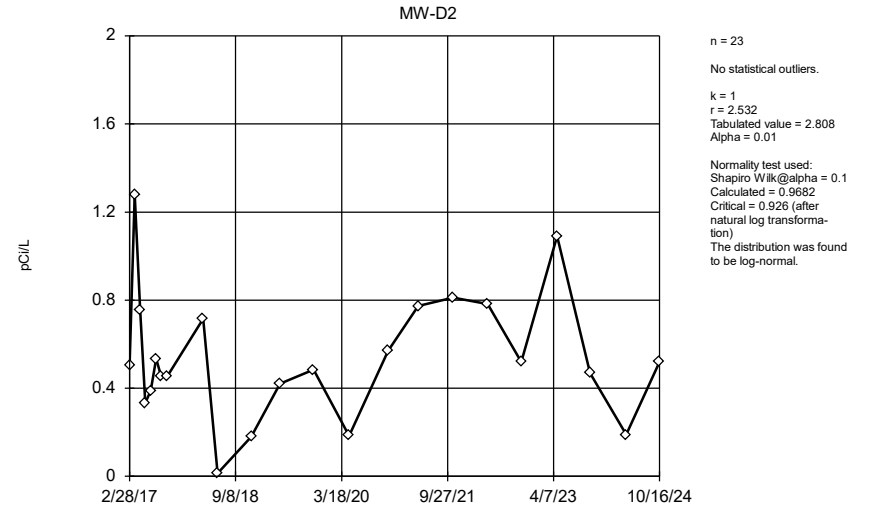


EPA Screening (suspected outliers for Rosner's Test)



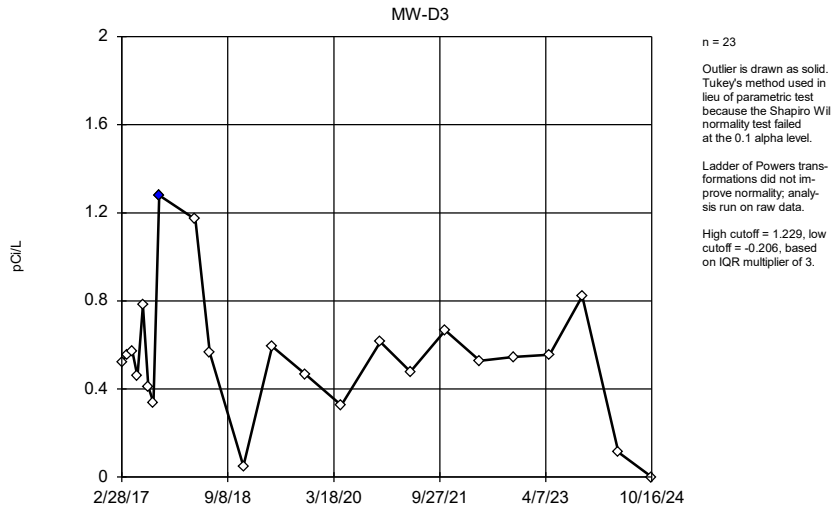
Constituent: Combined Radium 226 + 228 Analysis Run 12/27/2024 4:02 PM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Rosner's Outlier Test



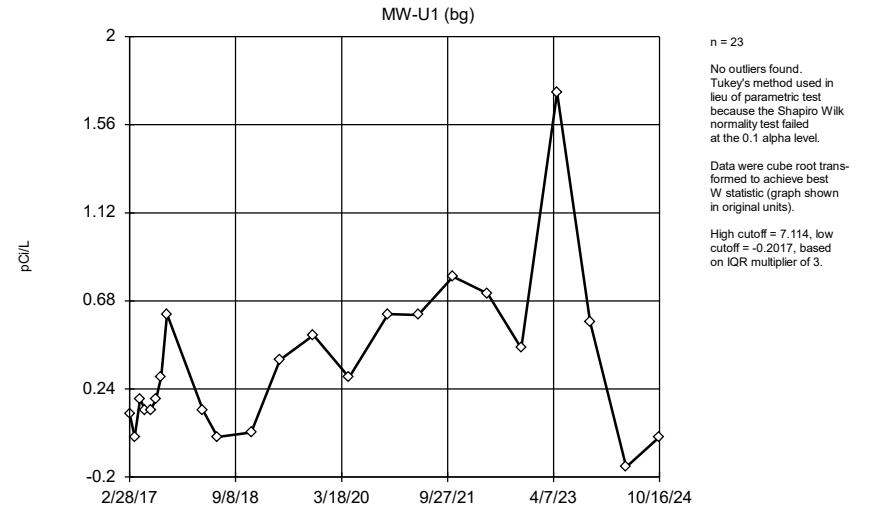
Constituent: Combined Radium 226 + 228 Analysis Run 12/27/2024 4:02 PM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Tukey's Outlier Screening



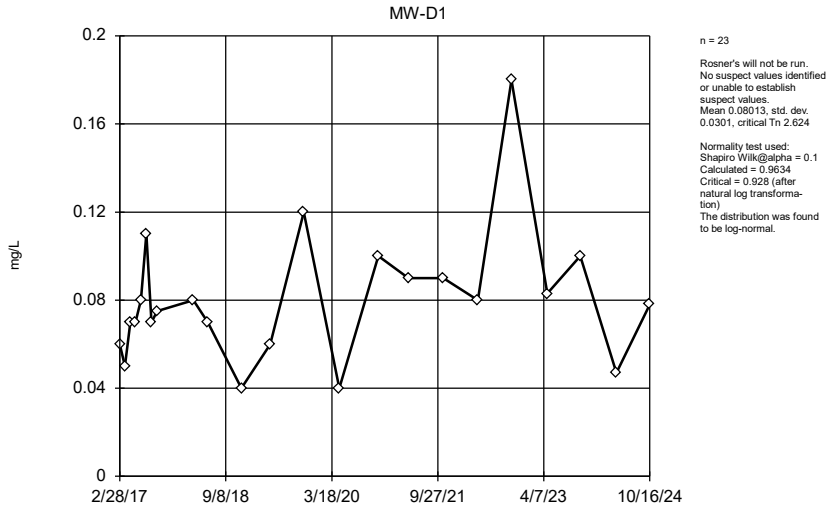
Constituent: Combined Radium 226 + 228 Analysis Run 12/27/2024 4:02 PM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Tukey's Outlier Screening



Constituent: Combined Radium 226 + 228 Analysis Run 12/27/2024 4:02 PM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

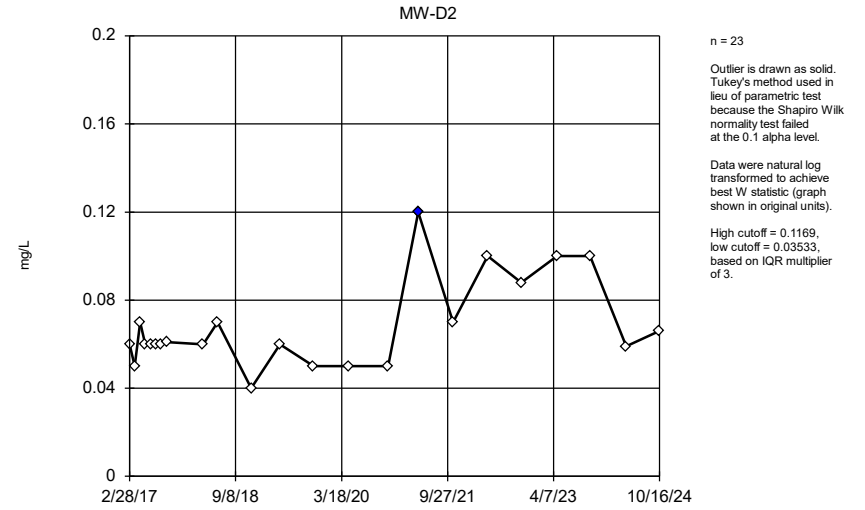
EPA Screening (suspected outliers for Rosner's Test)



Constituent: Fluoride Analysis Run 12/27/2024 4:03 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

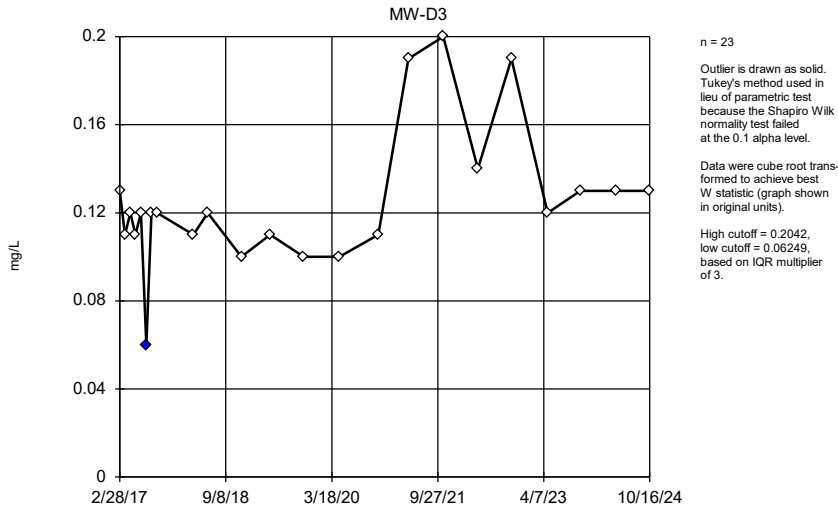
Tukey's Outlier Screening



Constituent: Fluoride Analysis Run 12/27/2024 4:03 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

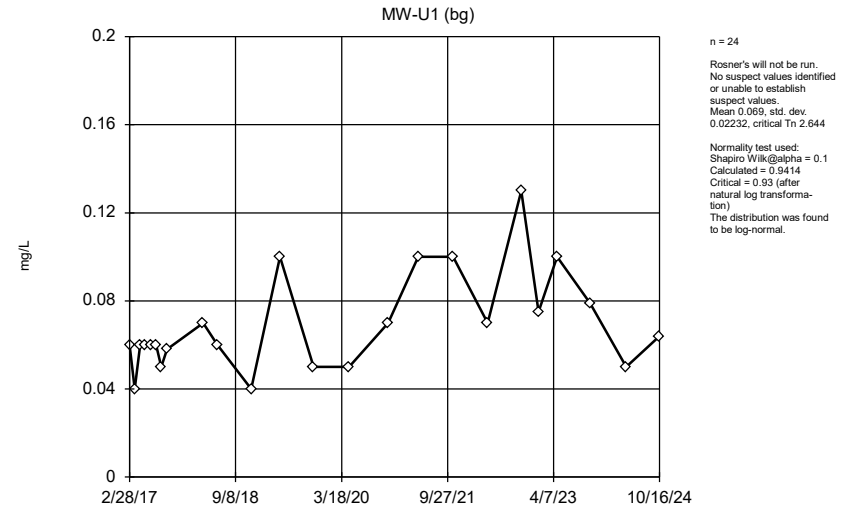
Tukey's Outlier Screening



Constituent: Fluoride Analysis Run 12/27/2024 4:03 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

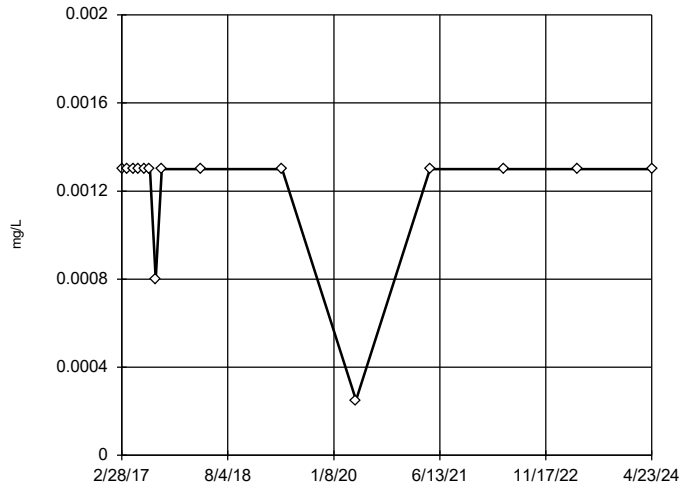
EPA Screening (suspected outliers for Rosner's Test)



Constituent: Fluoride Analysis Run 12/27/2024 4:03 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Tukey's Outlier Screening MW-D1



n = 15

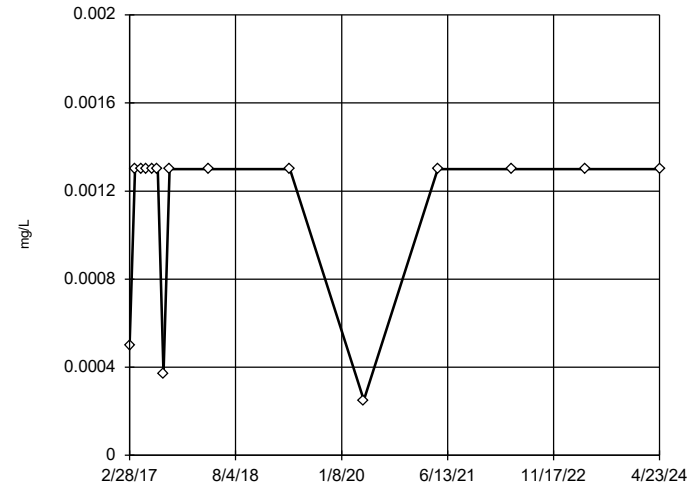
No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lead Analysis Run 12/27/2024 4:03 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

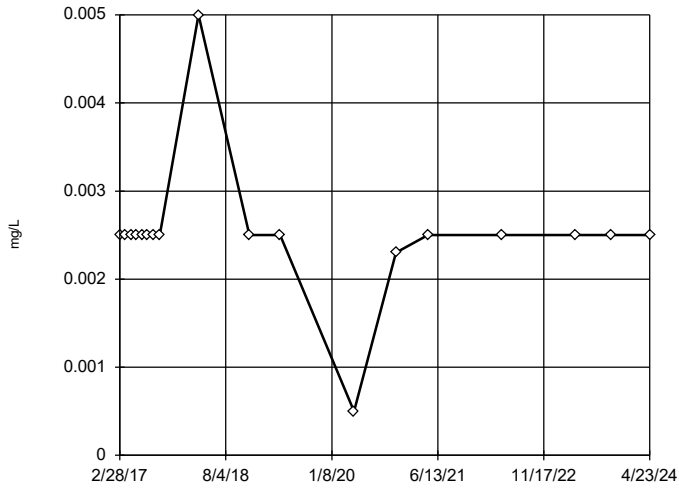
Tukey's Outlier Screening MW-D2



n = 15

No outliers found. Tukey's method used in

Tukey's Outlier Screening MW-D1



n = 18

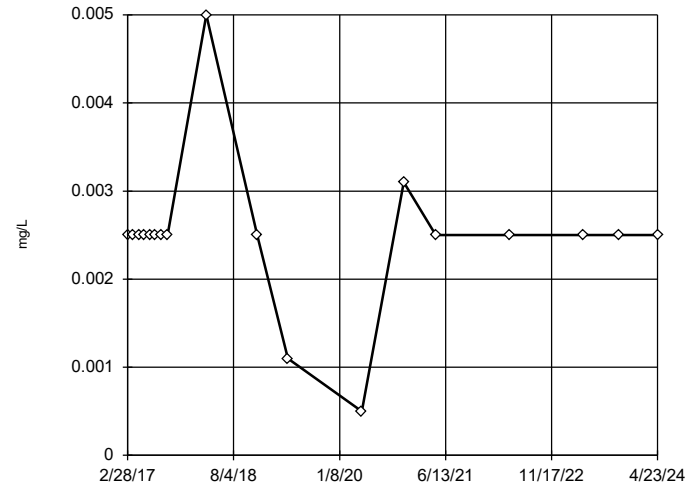
No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

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 12/27/2024 4:03 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Tukey's Outlier Screening MW-D2



n = 18

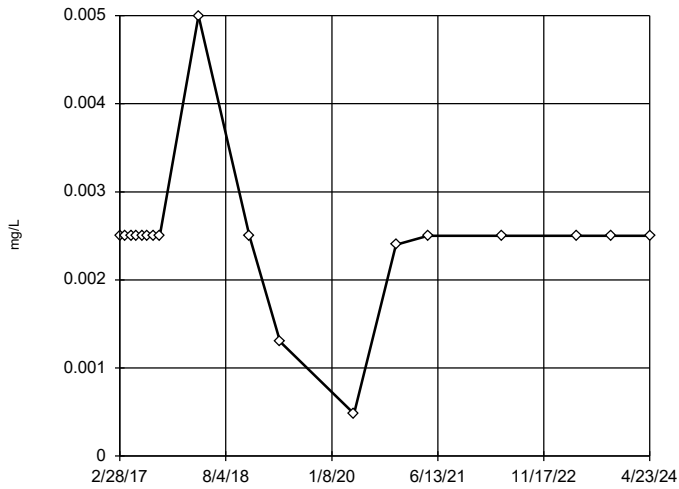
No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

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 12/27/2024 4:03 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Tukey's Outlier Screening MW-D3



n = 18

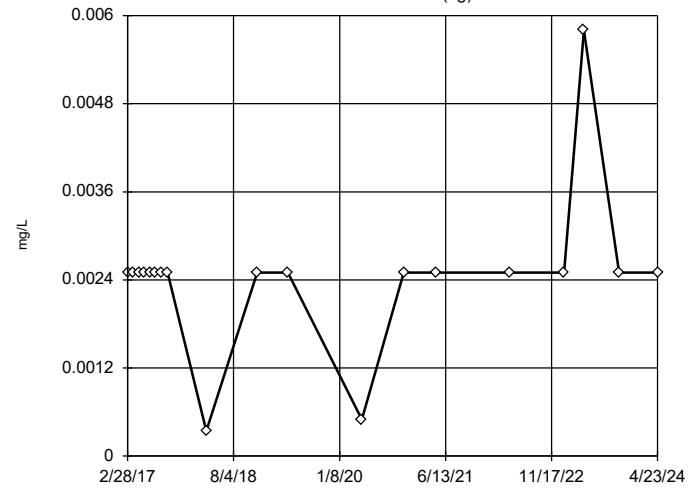
No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

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 12/27/2024 4:03 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Tukey's Outlier Screening MW-U1 (bg)



n = 19

No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

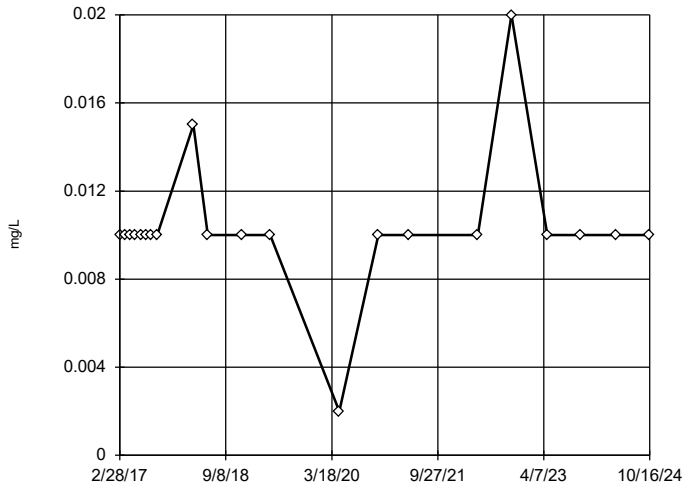
Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

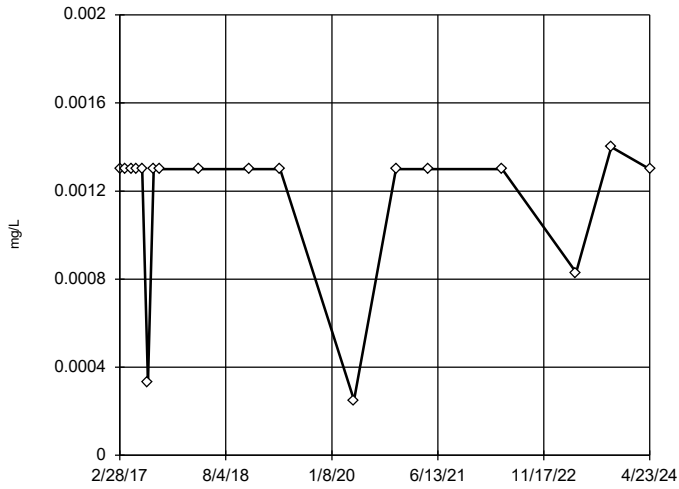
Constituent: Lithium Analysis Run 12/27/2024 4:03 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Tukey's Outlier Screening

MW-D1



Tukey's Outlier Screening MW-D1



n = 18

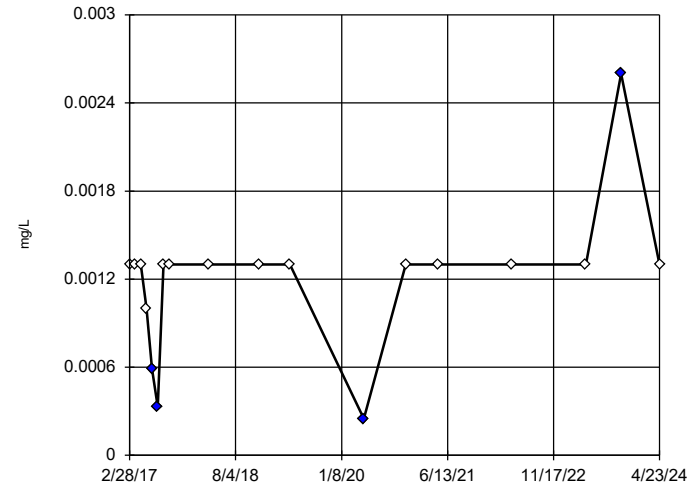
No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

Data were x*6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

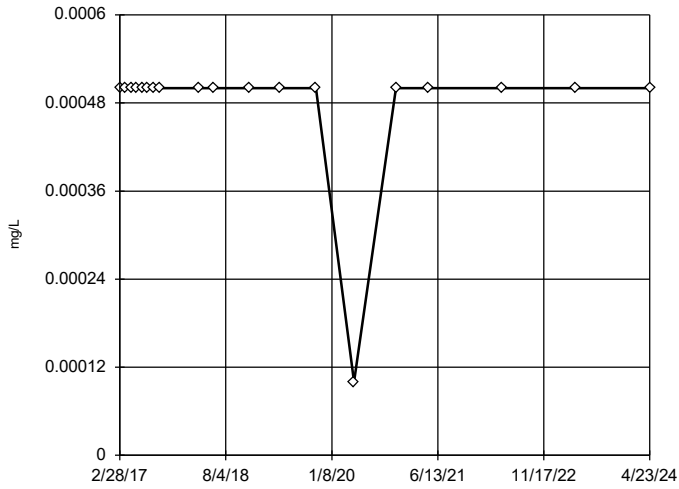
Constituent: Selenium Analysis Run 12/27/2024 4:03 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Tukey's Outlier Screening MW-D2



Tukey's Outlier Screening

MW-D1



n = 19

No outliers found. Tukey's method used in lieu of parametric test because the Shapiro Wilk normality test failed at the 0.1 alpha level.

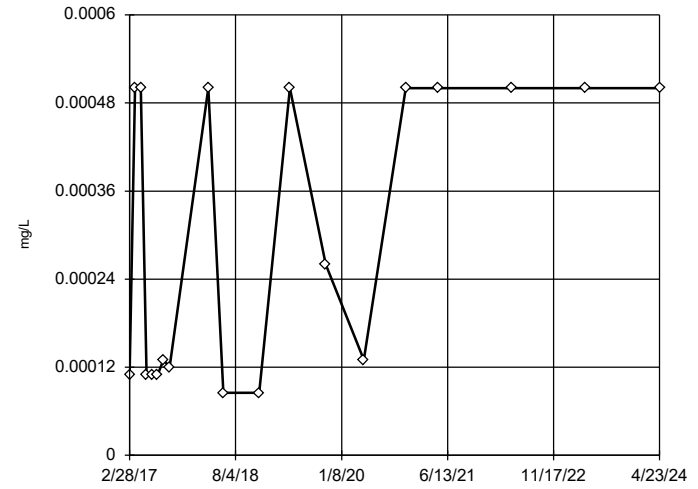
Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Thallium Analysis Run 12/27/2024 4:03 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Tukey's Outlier Screening

MW-D2



Outlier Analysis

CCPC Plant Crisp Ash Pond Site

Client: Geosyntec

Data: Sanitas_Statistics Sampling 2024 October Event

Printed 12/27/2024, 4:04 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Antimony (mg/L)	MW-D1	n/a	n/a	n/a	NP (nrm)	NaN	15	0.002367	0.0005164	unknown	ShapiroWilk
Antimony (mg/L)	MW-D2	n/a	n/a	n/a	NP (nrm)	NaN	15	0.002367	0.0005164	unknown	ShapiroWilk
Antimony (mg/L)	MW-D3	n/a	n/a	n/a	NP (nrm)	NaN	15	0.002367	0.0005164	unknown	ShapiroWilk
Antimony (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP (nrm)	NaN	17	0.002382	0.0004851	unknown	ShapiroWilk
Arsenic (mg/L)	MW-D1	n/a	n/a	n/a	NP (nrm)	NaN	22	0.001307	0.0003479	unknown	ShapiroWilk
Arsenic (mg/L)	MW-D2	n/a	n/a	n/a	NP (nrm)	NaN	22	0.001233	0.0004035	unknown	ShapiroWilk
Arsenic (mg/L)	MW-D3	No	n/a	n/a	EPA 1989	0.05	22	0.00109	0.0004623	ln(x)	ShapiroWilk
Arsenic (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP (nrm)	NaN	23	0.001292	0.0004171	unknown	ShapiroWilk
Barium (mg/L)	MW-D1	No	n/a	n/a	EPA 1989	0.05	23	0.01467	0.004561	ln(x)	ShapiroWilk
Barium (mg/L)	MW-D2	No	n/a	n/a	Rosner's	0.01	23	0.1433	0.0236	normal	ShapiroWilk
Barium (mg/L)	MW-D3	No	n/a	n/a	NP (nrm)	NaN	23	0.1284	0.06521	unknown	ShapiroWilk
Barium (mg/L)	MW-U1 (bg)	Yes	0.0062	11/19/2020	NP (nrm)	NaN	24	0.002538	0.0009306	unknown	ShapiroWilk
Beryllium (mg/L)	MW-D1	n/a	n/a	n/a	NP (nrm)	NaN	15	0.001927	0.0004415	unknown	ShapiroWilk
Beryllium (mg/L)	MW-D2	n/a	n/a	n/a	NP (nrm)	NaN	15	0.001927	0.0004415	unknown	ShapiroWilk
Beryllium (mg/L)	MW-D3	n/a	n/a	n/a	NP (nrm)	NaN	15	0.001927	0.0004415	unknown	ShapiroWilk
Beryllium (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP (nrm)	NaN	16	0.001931	0.000427	unknown	ShapiroWilk
Cadmium (mg/L)	MW-D1	n/a	n/a	n/a	NP (nrm)	NaN	16	0.001044	0.0004366	unknown	ShapiroWilk
Cadmium (mg/L)	MW-D2	n/a	n/a	n/a	NP (nrm)	NaN	16	0.001036	0.0004535	unknown	ShapiroWilk
Cadmium (mg/L)	MW-D3	n/a	n/a	n/a	NP (nrm)	NaN	16	0.001036	0.0004541	unknown	ShapiroWilk
Cadmium (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP (nrm)	NaN	17	0.001041	0.0004229	unknown	ShapiroWilk
Chromium (mg/L)	MW-D1	n/a	n/a	n/a	NP (nrm)	NaN	21	0.002486	0.000792	unknown	ShapiroWilk
Chromium (mg/L)	MW-D2	n/a	n/a	n/a	NP (nrm)	NaN	21	0.00241	0.0006008	unknown	ShapiroWilk
Chromium (mg/L)	MW-D3	n/a	n/a	n/a	NP (nrm)	NaN	21	0.002443	0.0005555	unknown	ShapiroWilk
Chromium (mg/L)	MW-U1 (bg)	No	n/a	n/a	NP (nrm)	NaN	22	0.001918	0.001105	unknown	ShapiroWilk
Cobalt (mg/L)	MW-D1	n/a	n/a	n/a	NP (nrm)	NaN	20	0.002355	0.0004807	unknown	ShapiroWilk
Cobalt (mg/L)	MW-D2	n/a	n/a	n/a	NP (nrm)	NaN	20	0.002323	0.00055	unknown	ShapiroWilk
Cobalt (mg/L)	MW-D3	No	n/a	n/a	Dixon's	0.05	20	0.00149	0.0006749	ln(x)	ShapiroWilk
Cobalt (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP (nrm)	NaN	22	0.002264	0.0006253	unknown	ShapiroWilk
Combined Radium 226 + 228 (pCi/L)	MW-D1	No	n/a	n/a	EPA 1989	0.05	23	0.4849	0.3205	ln(x)	ShapiroWilk
Combined Radium 226 + 228 (pCi/L)	MW-D2	No	n/a	n/a	Rosner's	0.01	23	0.5402	0.2922	ln(x)	ShapiroWilk
Combined Radium 226 + 228 (pCi/L)	MW-D3	Yes	1.28	9/13/2017	NP (nrm)	NaN	23	0.5394	0.2971	unknown	ShapiroWilk
Combined Radium 226 + 228 (pCi/L)	MW-U1 (bg)	No	n/a	n/a	NP (nrm)	NaN	23	0.3634	0.3977	unknown	ShapiroWilk
Fluoride (mg/L)	MW-D1	No	n/a	n/a	EPA 1989	0.05	23	0.08013	0.0301	ln(x)	ShapiroWilk
Fluoride (mg/L)	MW-D2	Yes	0.12	4/26/2021	NP (nrm)	NaN	23	0.068	0.02006	unknown	ShapiroWilk
Fluoride (mg/L)	MW-D3	Yes	0.06	7/17/2017	NP (nrm)	NaN	23	0.1248	0.03146	unknown	ShapiroWilk
Fluoride (mg/L)	MW-U1 (bg)	No	n/a	n/a	EPA 1989	0.05	24	0.069	0.02232	ln(x)	ShapiroWilk
Lead (mg/L)	MW-D1	n/a	n/a	n/a	NP (nrm)	NaN	15	0.001197	0.0002918	unknown	ShapiroWilk
Lead (mg/L)	MW-D2	n/a	n/a	n/a	NP (nrm)	NaN	15	0.001115	0.0003866	unknown	ShapiroWilk
Lead (mg/L)	MW-D3	n/a	n/a	n/a	NP (nrm)	NaN	15	0.00123	0.0002711	unknown	ShapiroWilk
Lead (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP (nrm)	NaN	17	0.0012	0.000291	unknown	ShapiroWilk
Lithium (mg/L)	MW-D1	n/a	n/a	n/a	NP (nrm)	NaN	18	0.002517	0.0007778	unknown	ShapiroWilk
Lithium (mg/L)	MW-D2	n/a	n/a	n/a	NP (nrm)	NaN	18	0.002483	0.0008597	unknown	ShapiroWilk
Lithium (mg/L)	MW-D3	n/a	n/a	n/a	NP (nrm)	NaN	18	0.002454	0.0008311	unknown	ShapiroWilk
Lithium (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP (nrm)	NaN	19	0.002455	0.001041	unknown	ShapiroWilk
Mercury (mg/L)	MW-D1	n/a	n/a	n/a	NP (nrm)	NaN	15	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-D2	n/a	n/a	n/a	NP (nrm)	NaN	15	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-D3	n/a	n/a	n/a	NP (nrm)	NaN	15	0.000194	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP (nrm)	NaN	16	0.000...	0.0000...	unknown	ShapiroWilk
Molybdenum (mg/L)	MW-D1	n/a	n/a	n/a	NP (nrm)	NaN	21	0.01033	0.003055	unknown	ShapiroWilk
Molybdenum (mg/L)	MW-D2	n/a	n/a	n/a	NP (nrm)	NaN	21	0.009157	0.004349	unknown	ShapiroWilk

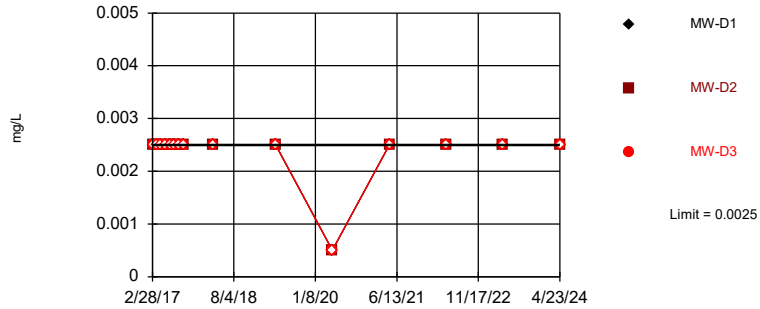
Outlier Analysis

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event Printed 12/27/2024, 4:04 PM

<u>Constituent</u>	<u>Well</u>	<u>Outlier</u>	<u>Value(s)</u>	<u>Date(s)</u>	<u>Method</u>	<u>Alpha</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>Distribution</u>	<u>Normality Test</u>
Molybdenum (mg/L)	MW-D3	No	n/a	n/a	NP (nrm)	NaN	21	0.00481	0.003115	unknown	ShapiroWilk
Molybdenum (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP (nrm)	NaN	22	0.009368	0.003674	unknown	ShapiroWilk
Selenium (mg/L)	MW-D1	n/a	n/a	n/a	NP (nrm)	NaN	18	0.001167	0.0003393	unknown	ShapiroWilk
Selenium (mg/L)	MW-D2	Yes	0.00059,0...	6/19/2017...	NP (nrm)	NaN	18	0.001204	0.0004948	unknown	ShapiroWilk
Selenium (mg/L)	MW-D3	Yes	0.0028,0....	2/28/2017...	NP (nrm)	NaN	18	0.001279	0.0006516	unknown	ShapiroWilk
Selenium (mg/L)	MW-U1 (bg)	No	n/a	n/a	NP (nrm)	NaN	20	0.001049	0.0003601	unknown	ShapiroWilk
Thallium (mg/L)	MW-D1	n/a	n/a	n/a	NP (nrm)	NaN	19	0.000...	0.0000...	unknown	ShapiroWilk
Thallium (mg/L)	MW-D2	No	n/a	n/a	NP (nrm)	NaN	19	0.000...	0.0001956	unknown	ShapiroWilk
Thallium (mg/L)	MW-D3	No	n/a	n/a	NP (nrm)	NaN	19	0.000...	0.0001738	unknown	ShapiroWilk
Thallium (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP (nrm)	NaN	20	0.00048	0.0000...	unknown	ShapiroWilk

Within Limit

Tolerance Limit
Interwell Non-parametric



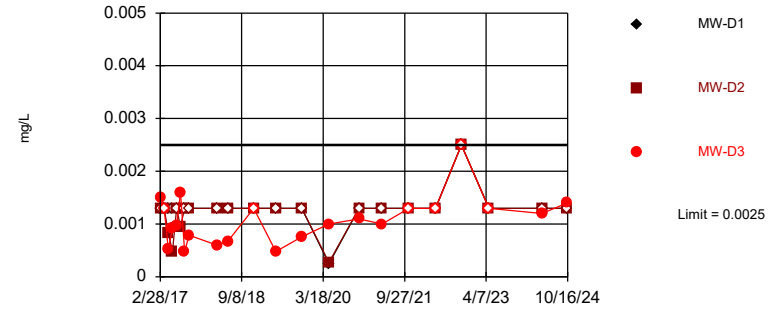
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. All background values were censored; limit is most recent reporting limit. 76.37% coverage at alpha=0.01; 83.79% coverage at alpha=0.05; 95.9% coverage at alpha=0.5. Report alpha = 0.4181.

Constituent: Antimony Analysis Run 12/27/2024 4:07 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Within Limit

Tolerance Limit
Interwell Non-parametric



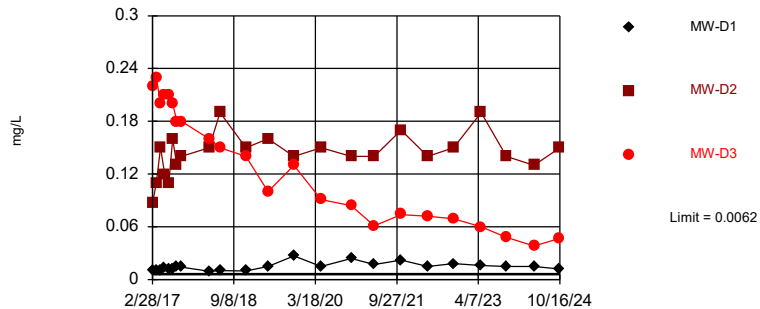
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. Limit is highest of 23 background values. 82.61% NDs. 81.84% coverage at alpha=0.01; 87.7% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.3074.

Constituent: Arsenic Analysis Run 12/27/2024 4:07 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

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

Tolerance Limit
Interwell Non-parametric



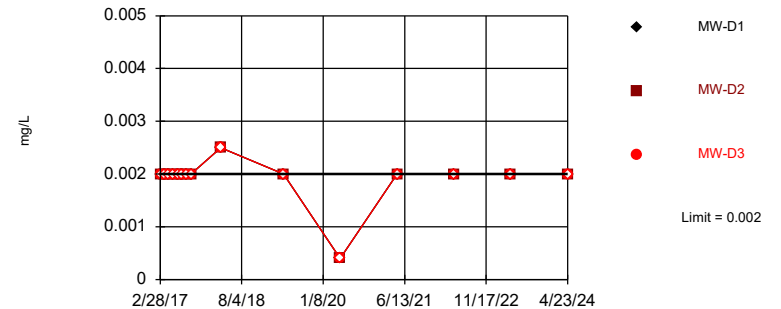
Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Most recent observation is compared with limit. Limit is highest of 24 background values. 82.62% coverage at alpha=0.01; 88.09% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.292.

Constituent: Barium Analysis Run 12/27/2024 4:07 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Within Limit

Tolerance Limit
Interwell Non-parametric



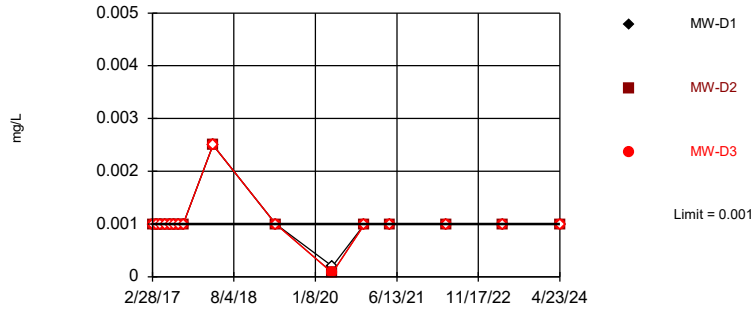
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. All background values were censored; limit is most recent reporting limit. 74.8% coverage at alpha=0.01; 83.01% coverage at alpha=0.05; 95.9% coverage at alpha=0.5. Report alpha = 0.4401.

Constituent: Beryllium Analysis Run 12/27/2024 4:07 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Within Limit

Tolerance Limit
Interwell Non-parametric



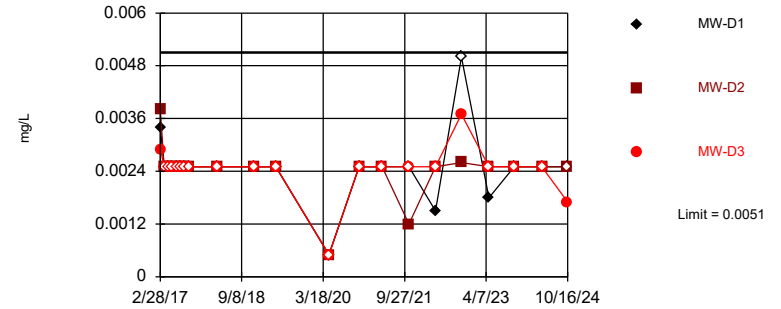
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. All background values were censored; limit is most recent reporting limit. 76.37% coverage at alpha=0.01; 83.79% coverage at alpha=0.05; 95.9% coverage at alpha=0.5. Report alpha = 0.4181.

Constituent: Cadmium Analysis Run 12/27/2024 4:07 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Within Limit

Tolerance Limit
Interwell Non-parametric



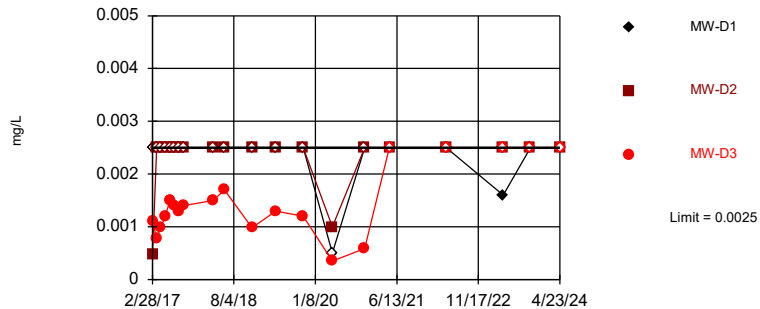
Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Most recent observation is compared with limit. Limit is highest of 22 background values. 9.091% NDs. 81.05% coverage at alpha=0.01; 87.3% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.3235.

Constituent: Chromium Analysis Run 12/27/2024 4:07 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Within Limit

Tolerance Limit
Interwell Non-parametric



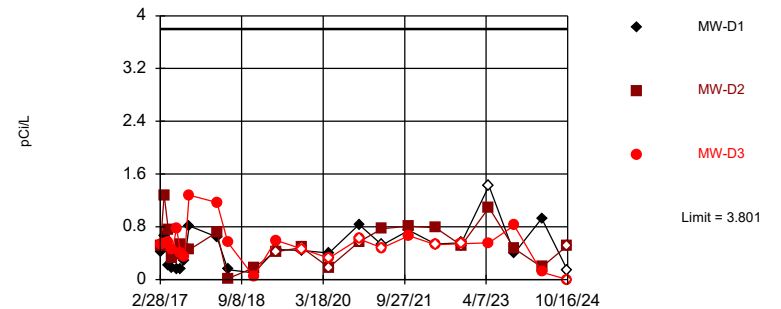
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. Limit is highest of 22 background values. 95.45% NDs. 81.05% coverage at alpha=0.01; 87.3% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.3235.

Constituent: Cobalt Analysis Run 12/27/2024 4:07 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Within Limit

Tolerance Limit
Interwell Parametric



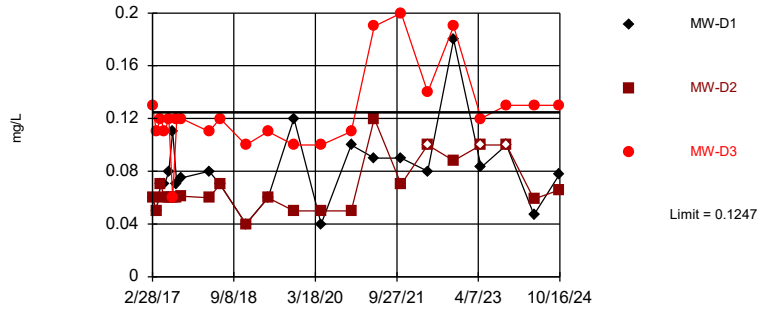
95% coverage. Most recent observation is compared with limit. Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.2927, Std. Dev.=0.5444, n=23, 30.43% NDs. Normality test: Shapiro Wilk (@alpha = 0.01, calculated = 0.8971, critical = 0.881. Report alpha = 0.05.

Constituent: Combined Radium 226 + 228 Analysis Run 12/27/2024 4:07 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Exceeds Limit: MW-D3

Tolerance Limit
Interwell Parametric



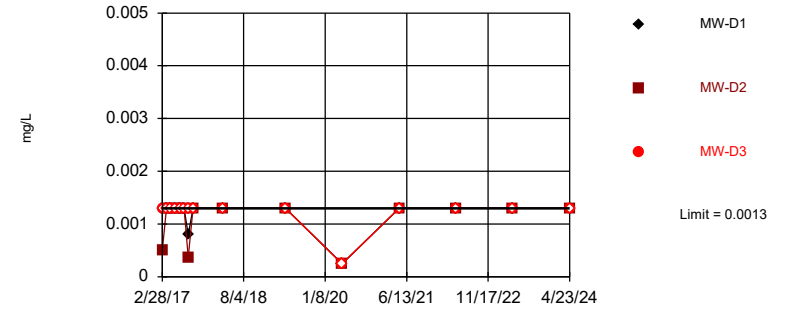
95% coverage. Most recent observation is compared with limit. Background Data Summary (based on square root transformation): Mean=0.2597, Std. Dev.=0.0405, n=24, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9168, critical = 0.884. Report alpha = 0.05.

Constituent: Fluoride Analysis Run 12/27/2024 4:07 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Within Limit

Tolerance Limit
Interwell Non-parametric



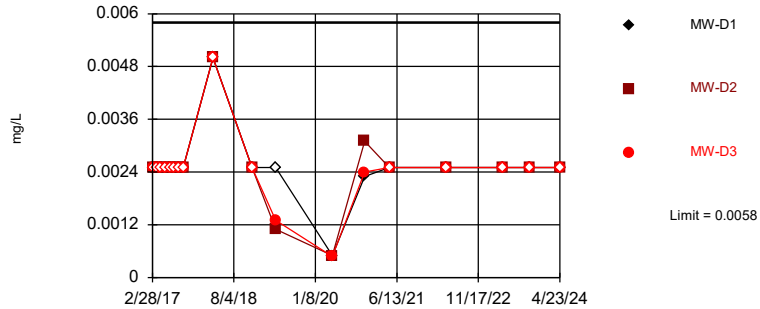
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. Limit is highest of 17 background values. 94.12% NDs. 76.37% coverage at alpha=0.01; 83.79% coverage at alpha=0.05; 95.9% coverage at alpha=0.5. Report alpha = 0.4181.

Constituent: Lead Analysis Run 12/27/2024 4:07 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Within Limit

Tolerance Limit
Interwell Non-parametric



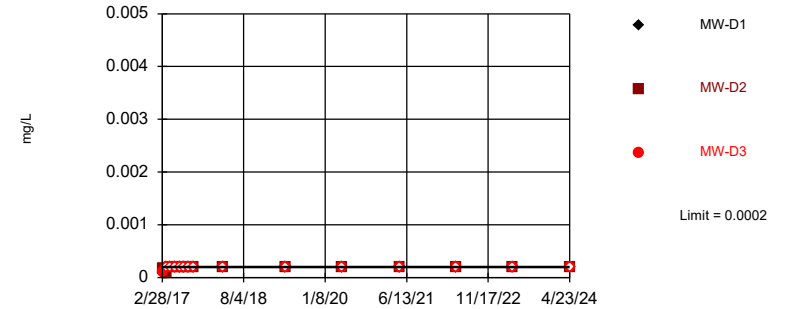
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. Limit is highest of 19 background values. 89.47% NDs. 78.32% coverage at alpha=0.01; 85.35% coverage at alpha=0.05; 96.29% coverage at alpha=0.5. Report alpha = 0.3774.

Constituent: Lithium Analysis Run 12/27/2024 4:07 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Within Limit

Tolerance Limit
Interwell Non-parametric



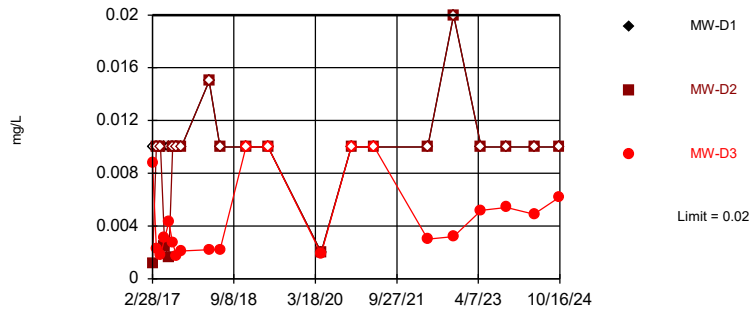
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. Limit is highest of 16 background values. 93.75% NDs. 74.8% coverage at alpha=0.01; 83.01% coverage at alpha=0.05; 95.9% coverage at alpha=0.5. Report alpha = 0.4401.

Constituent: Mercury Analysis Run 12/27/2024 4:07 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Within Limit

Tolerance Limit
Interwell Non-parametric



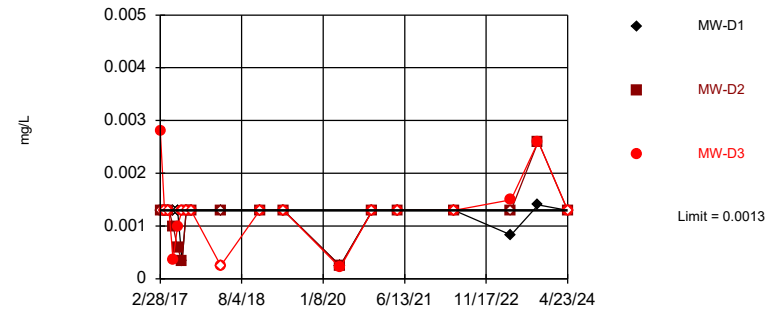
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. Limit is highest of 22 background values. 95.45% NDs. 81.05% coverage at alpha=0.01; 87.3% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.3235.

Constituent: Molybdenum Analysis Run 12/27/2024 4:08 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Within Limit

Tolerance Limit
Interwell Non-parametric



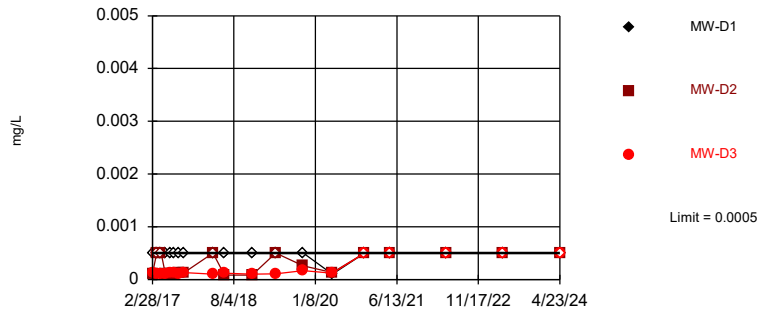
Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Most recent observation is compared with limit. Limit is highest of 20 background values. 65% NDs. 79.49% coverage at alpha=0.01; 86.13% coverage at alpha=0.05; 96.68% coverage at alpha=0.5. Report alpha = 0.3585.

Constituent: Selenium Analysis Run 12/27/2024 4:08 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Within Limit

Tolerance Limit
Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. All background values were censored; limit is most recent reporting limit. 79.49% coverage at alpha=0.01; 86.13% coverage at alpha=0.05; 96.68% coverage at alpha=0.5. Report alpha = 0.3585.

Constituent: Thallium Analysis Run 12/27/2024 4:08 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Tolerance Limit

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event Printed 12/27/2024, 4:10 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	MW-D1	0.0025	4/23/2024	<0.0025	No	17	100	n/a	0.1651	NP Inter(NDs)
Antimony (mg/L)	MW-D2	0.0025	4/23/2024	<0.0025	No	17	100	n/a	0.1651	NP Inter(NDs)
Antimony (mg/L)	MW-D3	0.0025	4/23/2024	<0.0025	No	17	100	n/a	0.1651	NP Inter(NDs)
Arsenic (mg/L)	MW-D1	0.0025	10/16/2024	<0.0013	No	23	82.61	n/a	0.1152	NP Inter(NDs)
Arsenic (mg/L)	MW-D2	0.0025	10/16/2024	<0.0013	No	23	82.61	n/a	0.1152	NP Inter(NDs)
Arsenic (mg/L)	MW-D3	0.0025	10/16/2024	0.0014	No	23	82.61	n/a	0.1152	NP Inter(NDs)
Barium (mg/L)	MW-D1	0.0062	10/16/2024	0.012	Yes	24	0	n/a	0.1087	NP Inter(normal...
Barium (mg/L)	MW-D2	0.0062	10/16/2024	0.15	Yes	24	0	n/a	0.1087	NP Inter(normal...
Barium (mg/L)	MW-D3	0.0062	10/16/2024	0.047	Yes	24	0	n/a	0.1087	NP Inter(normal...
Beryllium (mg/L)	MW-D1	0.002	4/23/2024	<0.002	No	16	100	n/a	0.1758	NP Inter(NDs)
Beryllium (mg/L)	MW-D2	0.002	4/23/2024	<0.002	No	16	100	n/a	0.1758	NP Inter(NDs)
Beryllium (mg/L)	MW-D3	0.002	4/23/2024	<0.002	No	16	100	n/a	0.1758	NP Inter(NDs)
Cadmium (mg/L)	MW-D1	0.001	4/23/2024	<0.001	No	17	100	n/a	0.1651	NP Inter(NDs)
Cadmium (mg/L)	MW-D2	0.001	4/23/2024	<0.001	No	17	100	n/a	0.1651	NP Inter(NDs)
Cadmium (mg/L)	MW-D3	0.001	4/23/2024	<0.001	No	17	100	n/a	0.1651	NP Inter(NDs)
Chromium (mg/L)	MW-D1	0.0051	10/16/2024	<0.0025	No	22	9.091	n/a	0.1222	NP Inter(normal...
Chromium (mg/L)	MW-D2	0.0051	10/16/2024	<0.0025	No	22	9.091	n/a	0.1222	NP Inter(normal...
Chromium (mg/L)	MW-D3	0.0051	10/16/2024	0.0017	No	22	9.091	n/a	0.1222	NP Inter(normal...
Cobalt (mg/L)	MW-D1	0.0025	4/23/2024	<0.0025	No	22	95.45	n/a	0.1222	NP Inter(NDs)
Cobalt (mg/L)	MW-D2	0.0025	4/23/2024	<0.0025	No	22	95.45	n/a	0.1222	NP Inter(NDs)
Cobalt (mg/L)	MW-D3	0.0025	4/23/2024	<0.0025	No	22	95.45	n/a	0.1222	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	MW-D1	3.801	10/16/2024	<0.135	No	23	30.43	x^(1/3)	0.01695	Inter
Combined Radium 226 + 228 (pCi/L)	MW-D2	3.801	10/16/2024	<0.519	No	23	30.43	x^(1/3)	0.01695	Inter
Combined Radium 226 + 228 (pCi/L)	MW-D3	3.801	10/16/2024	<0	No	23	30.43	x^(1/3)	0.01695	Inter
Fluoride (mg/L)	MW-D1	0.1247	10/16/2024	0.078	No	24	12.5	sqrt(x)	0.01695	Inter
Fluoride (mg/L)	MW-D2	0.1247	10/16/2024	0.066	No	24	12.5	sqrt(x)	0.01695	Inter
Fluoride (mg/L)	MW-D3	0.1247	10/16/2024	0.13	Yes	24	12.5	sqrt(x)	0.01695	Inter
Lead (mg/L)	MW-D1	0.0013	4/23/2024	<0.0013	No	17	94.12	n/a	0.1651	NP Inter(NDs)
Lead (mg/L)	MW-D2	0.0013	4/23/2024	<0.0013	No	17	94.12	n/a	0.1651	NP Inter(NDs)
Lead (mg/L)	MW-D3	0.0013	4/23/2024	<0.0013	No	17	94.12	n/a	0.1651	NP Inter(NDs)
Lithium (mg/L)	MW-D1	0.0058	4/23/2024	<0.0025	No	19	89.47	n/a	0.1461	NP Inter(NDs)
Lithium (mg/L)	MW-D2	0.0058	4/23/2024	<0.0025	No	19	89.47	n/a	0.1461	NP Inter(NDs)
Lithium (mg/L)	MW-D3	0.0058	4/23/2024	<0.0025	No	19	89.47	n/a	0.1461	NP Inter(NDs)
Mercury (mg/L)	MW-D1	0.0002	4/23/2024	<0.0002	No	16	93.75	n/a	0.1758	NP Inter(NDs)
Mercury (mg/L)	MW-D2	0.0002	4/23/2024	<0.0002	No	16	93.75	n/a	0.1758	NP Inter(NDs)
Mercury (mg/L)	MW-D3	0.0002	4/23/2024	<0.0002	No	16	93.75	n/a	0.1758	NP Inter(NDs)
Molybdenum (mg/L)	MW-D1	0.02	10/16/2024	<0.01	No	22	95.45	n/a	0.1222	NP Inter(NDs)
Molybdenum (mg/L)	MW-D2	0.02	10/16/2024	<0.01	No	22	95.45	n/a	0.1222	NP Inter(NDs)
Molybdenum (mg/L)	MW-D3	0.02	10/16/2024	0.0062	No	22	95.45	n/a	0.1222	NP Inter(NDs)
Selenium (mg/L)	MW-D1	0.0013	4/23/2024	<0.0013	No	20	65	n/a	0.1375	NP Inter(normal...
Selenium (mg/L)	MW-D2	0.0013	4/23/2024	<0.0013	No	20	65	n/a	0.1375	NP Inter(normal...
Selenium (mg/L)	MW-D3	0.0013	4/23/2024	<0.0013	No	20	65	n/a	0.1375	NP Inter(normal...
Thallium (mg/L)	MW-D1	0.0005	4/23/2024	<0.0005	No	20	100	n/a	0.1375	NP Inter(NDs)
Thallium (mg/L)	MW-D2	0.0005	4/23/2024	<0.0005	No	20	100	n/a	0.1375	NP Inter(NDs)
Thallium (mg/L)	MW-D3	0.0005	4/23/2024	<0.0005	No	20	100	n/a	0.1375	NP Inter(NDs)

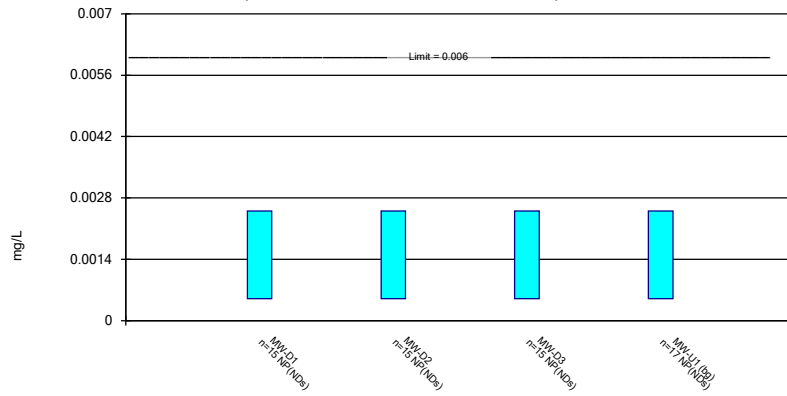
Tolerance Limit

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event Printed 12/27/2024, 4:10 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Antimony (mg/L)	MW-D1	0.0025	4/23/2024	<0.0025	No	17	100	n/a	0.1651	NP Inter(NDs)
Antimony (mg/L)	MW-D2	0.0025	4/23/2024	<0.0025	No	17	100	n/a	0.1651	NP Inter(NDs)
Antimony (mg/L)	MW-D3	0.0025	4/23/2024	<0.0025	No	17	100	n/a	0.1651	NP Inter(NDs)
Arsenic (mg/L)	MW-D1	0.0025	10/16/2024	<0.0013	No	23	82.61	n/a	0.1152	NP Inter(NDs)
Arsenic (mg/L)	MW-D2	0.0025	10/16/2024	<0.0013	No	23	82.61	n/a	0.1152	NP Inter(NDs)
Arsenic (mg/L)	MW-D3	0.0025	10/16/2024	0.0014	No	23	82.61	n/a	0.1152	NP Inter(NDs)
Barium (mg/L)	MW-D1	0.0062	10/16/2024	0.012	Yes	24	0	n/a	0.1087	NP Inter(normal...
Barium (mg/L)	MW-D2	0.0062	10/16/2024	0.15	Yes	24	0	n/a	0.1087	NP Inter(normal...
Barium (mg/L)	MW-D3	0.0062	10/16/2024	0.047	Yes	24	0	n/a	0.1087	NP Inter(normal...
Beryllium (mg/L)	MW-D1	0.002	4/23/2024	<0.002	No	16	100	n/a	0.1758	NP Inter(NDs)
Beryllium (mg/L)	MW-D2	0.002	4/23/2024	<0.002	No	16	100	n/a	0.1758	NP Inter(NDs)
Beryllium (mg/L)	MW-D3	0.002	4/23/2024	<0.002	No	16	100	n/a	0.1758	NP Inter(NDs)
Cadmium (mg/L)	MW-D1	0.001	4/23/2024	<0.001	No	17	100	n/a	0.1651	NP Inter(NDs)
Cadmium (mg/L)	MW-D2	0.001	4/23/2024	<0.001	No	17	100	n/a	0.1651	NP Inter(NDs)
Cadmium (mg/L)	MW-D3	0.001	4/23/2024	<0.001	No	17	100	n/a	0.1651	NP Inter(NDs)
Chromium (mg/L)	MW-D1	0.0051	10/16/2024	<0.0025	No	22	9.091	n/a	0.1222	NP Inter(normal...
Chromium (mg/L)	MW-D2	0.0051	10/16/2024	<0.0025	No	22	9.091	n/a	0.1222	NP Inter(normal...
Chromium (mg/L)	MW-D3	0.0051	10/16/2024	0.0017	No	22	9.091	n/a	0.1222	NP Inter(normal...
Cobalt (mg/L)	MW-D1	0.0025	4/23/2024	<0.0025	No	22	95.45	n/a	0.1222	NP Inter(NDs)
Cobalt (mg/L)	MW-D2	0.0025	4/23/2024	<0.0025	No	22	95.45	n/a	0.1222	NP Inter(NDs)
Cobalt (mg/L)	MW-D3	0.0025	4/23/2024	<0.0025	No	22	95.45	n/a	0.1222	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	MW-D1	3.801	10/16/2024	<0.135	No	23	30.43	x^(1/3)	0.01695	Inter
Combined Radium 226 + 228 (pCi/L)	MW-D2	3.801	10/16/2024	<0.519	No	23	30.43	x^(1/3)	0.01695	Inter
Combined Radium 226 + 228 (pCi/L)	MW-D3	3.801	10/16/2024	<0	No	23	30.43	x^(1/3)	0.01695	Inter
Fluoride (mg/L)	MW-D1	0.1247	10/16/2024	0.078	No	24	12.5	sqrt(x)	0.01695	Inter
Fluoride (mg/L)	MW-D2	0.1247	10/16/2024	0.066	No	24	12.5	sqrt(x)	0.01695	Inter
Fluoride (mg/L)	MW-D3	0.1247	10/16/2024	0.13	Yes	24	12.5	sqrt(x)	0.01695	Inter
Lead (mg/L)	MW-D1	0.0013	4/23/2024	<0.0013	No	17	94.12	n/a	0.1651	NP Inter(NDs)
Lead (mg/L)	MW-D2	0.0013	4/23/2024	<0.0013	No	17	94.12	n/a	0.1651	NP Inter(NDs)
Lead (mg/L)	MW-D3	0.0013	4/23/2024	<0.0013	No	17	94.12	n/a	0.1651	NP Inter(NDs)
Lithium (mg/L)	MW-D1	0.0058	4/23/2024	<0.0025	No	19	89.47	n/a	0.1461	NP Inter(NDs)
Lithium (mg/L)	MW-D2	0.0058	4/23/2024	<0.0025	No	19	89.47	n/a	0.1461	NP Inter(NDs)
Lithium (mg/L)	MW-D3	0.0058	4/23/2024	<0.0025	No	19	89.47	n/a	0.1461	NP Inter(NDs)
Mercury (mg/L)	MW-D1	0.0002	4/23/2024	<0.0002	No	16	93.75	n/a	0.1758	NP Inter(NDs)
Mercury (mg/L)	MW-D2	0.0002	4/23/2024	<0.0002	No	16	93.75	n/a	0.1758	NP Inter(NDs)
Mercury (mg/L)	MW-D3	0.0002	4/23/2024	<0.0002	No	16	93.75	n/a	0.1758	NP Inter(NDs)
Molybdenum (mg/L)	MW-D1	0.02	10/16/2024	<0.01	No	22	95.45	n/a	0.1222	NP Inter(NDs)
Molybdenum (mg/L)	MW-D2	0.02	10/16/2024	<0.01	No	22	95.45	n/a	0.1222	NP Inter(NDs)
Molybdenum (mg/L)	MW-D3	0.02	10/16/2024	0.0062	No	22	95.45	n/a	0.1222	NP Inter(NDs)
Selenium (mg/L)	MW-D1	0.0013	4/23/2024	<0.0013	No	20	65	n/a	0.1375	NP Inter(normal...
Selenium (mg/L)	MW-D2	0.0013	4/23/2024	<0.0013	No	20	65	n/a	0.1375	NP Inter(normal...
Selenium (mg/L)	MW-D3	0.0013	4/23/2024	<0.0013	No	20	65	n/a	0.1375	NP Inter(normal...
Thallium (mg/L)	MW-D1	0.0005	4/23/2024	<0.0005	No	20	100	n/a	0.1375	NP Inter(NDs)
Thallium (mg/L)	MW-D2	0.0005	4/23/2024	<0.0005	No	20	100	n/a	0.1375	NP Inter(NDs)
Thallium (mg/L)	MW-D3	0.0005	4/23/2024	<0.0005	No	20	100	n/a	0.1375	NP Inter(NDs)

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

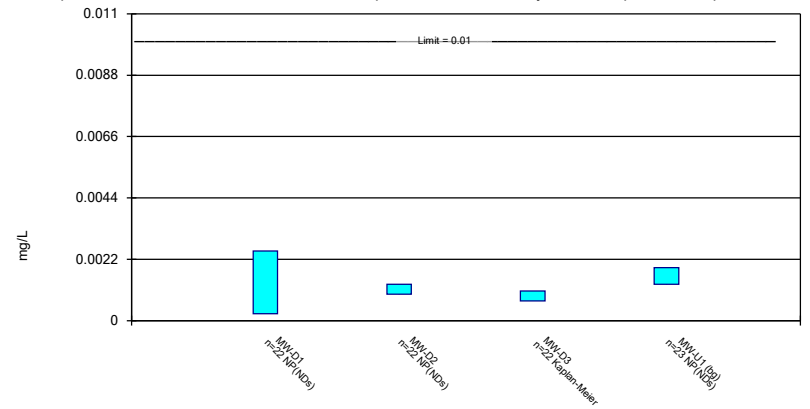


Constituent: Antimony Analysis Run 12/27/2024 4:11 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

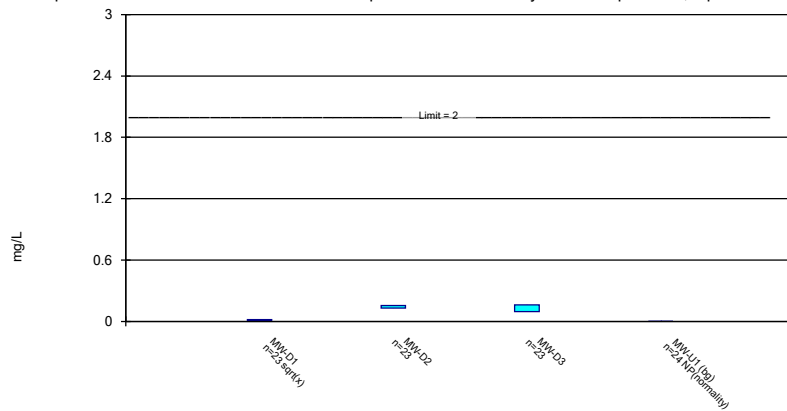


Constituent: Arsenic Analysis Run 12/27/2024 4:11 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

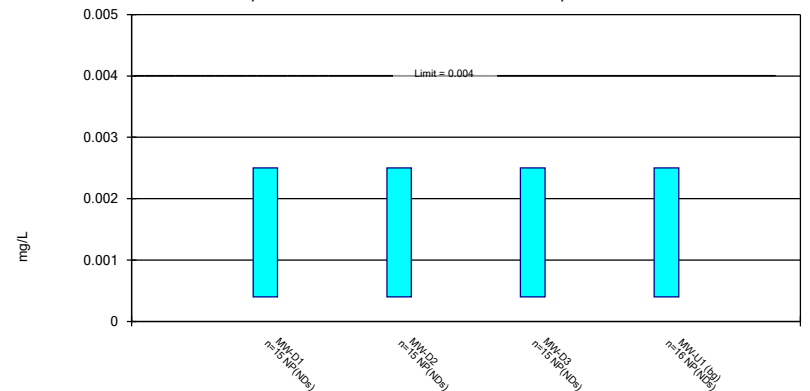


Constituent: Barium Analysis Run 12/27/2024 4:11 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

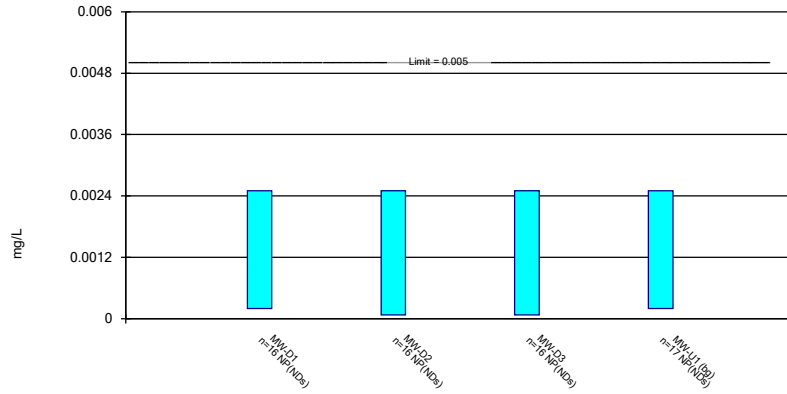


Constituent: Beryllium Analysis Run 12/27/2024 4:11 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

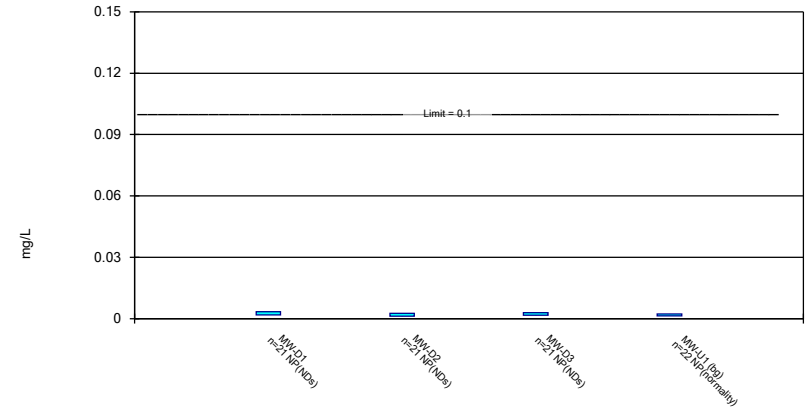


Constituent: Cadmium Analysis Run 12/27/2024 4:11 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

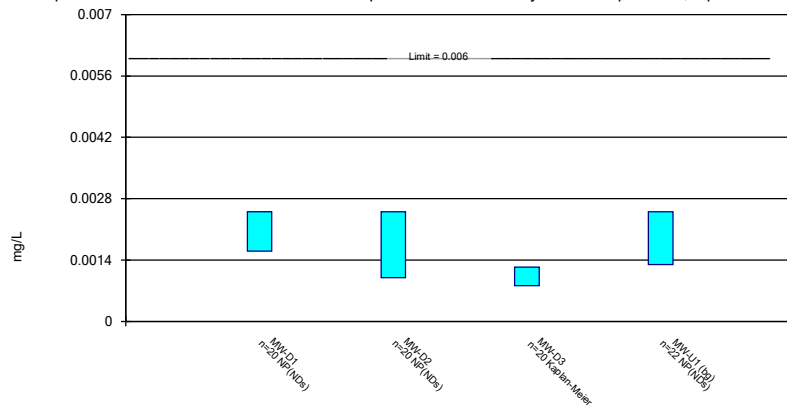


Constituent: Chromium Analysis Run 12/27/2024 4:11 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

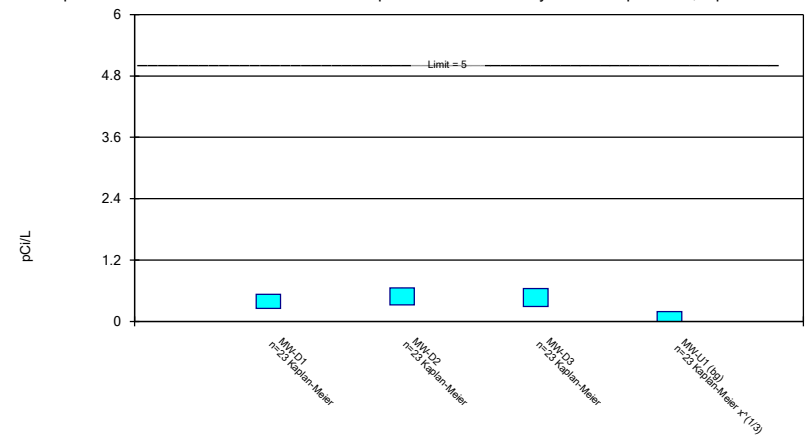


Constituent: Cobalt Analysis Run 12/27/2024 4:11 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

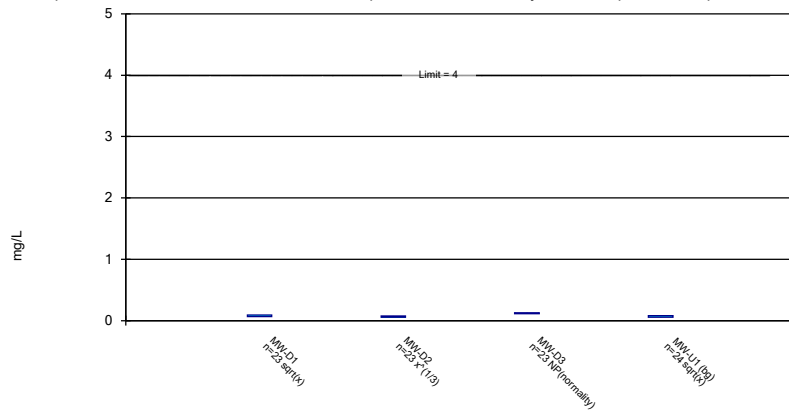


Constituent: Combined Radium 226 + 228 Analysis Run 12/27/2024 4:11 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

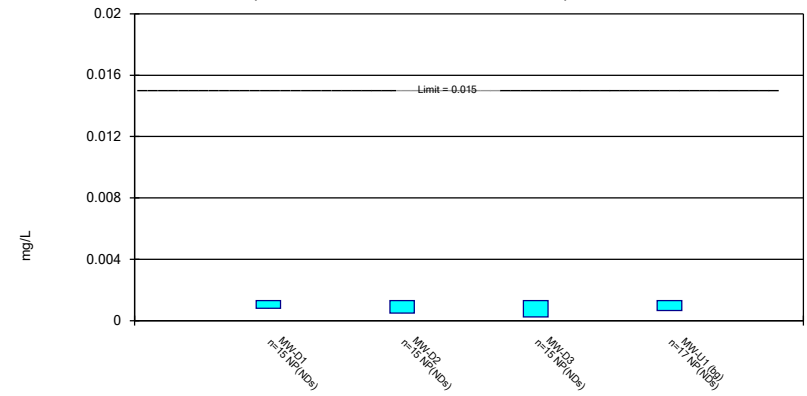


Constituent: Fluoride Analysis Run 12/27/2024 4:11 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

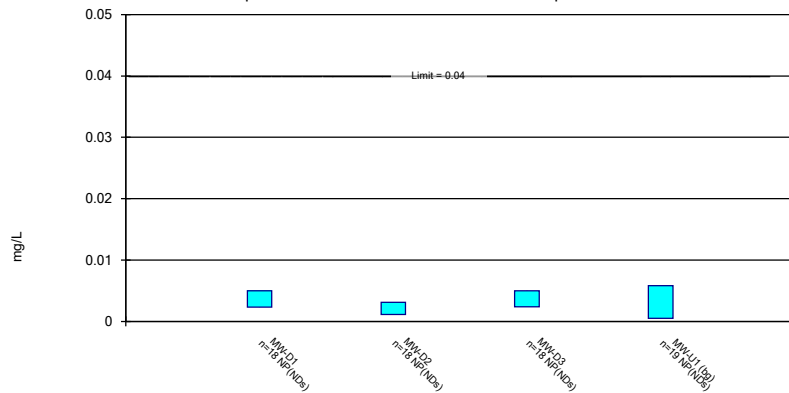


Constituent: Lead Analysis Run 12/27/2024 4:11 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

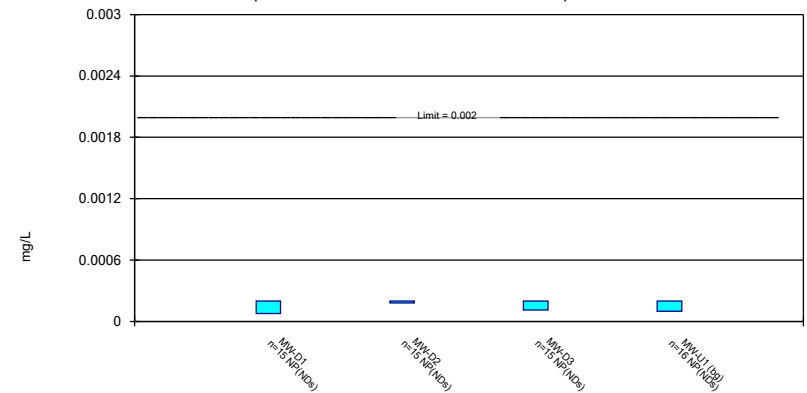


Constituent: Lithium Analysis Run 12/27/2024 4:11 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

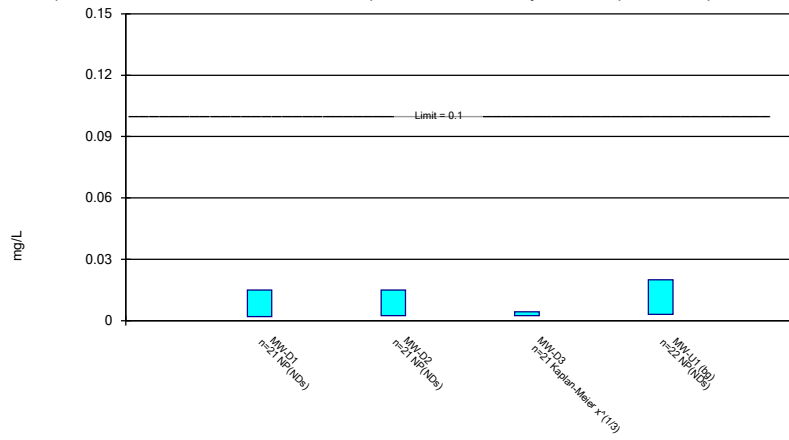


Constituent: Mercury Analysis Run 12/27/2024 4:11 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

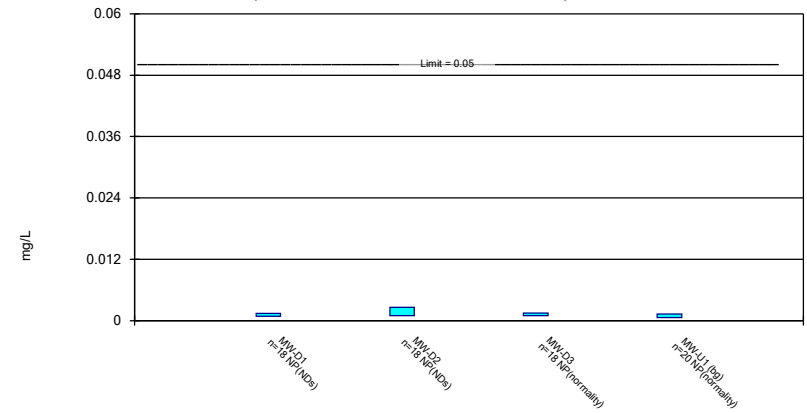


Constituent: Molybdenum Analysis Run 12/27/2024 4:11 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

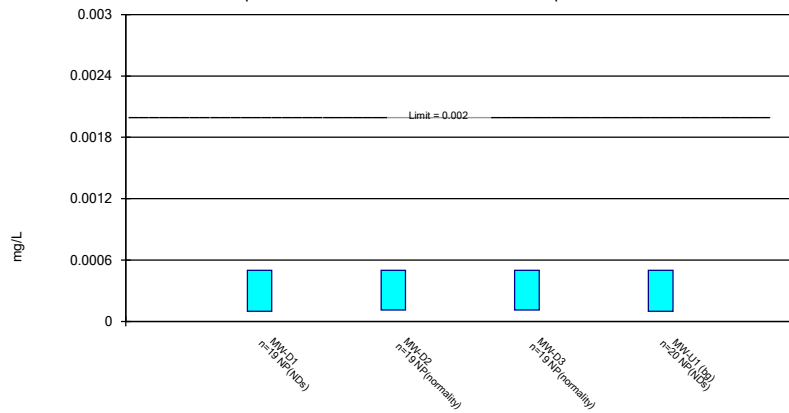


Constituent: Selenium Analysis Run 12/27/2024 4:11 PM

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Thallium Analysis Run 12/27/2024 4:11 PM

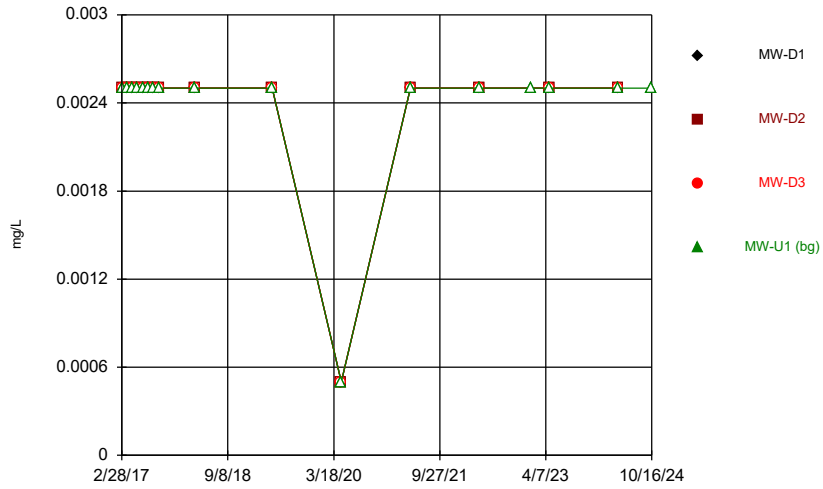
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Confidence Interval

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event Printed 12/27/2024, 4:12 PM

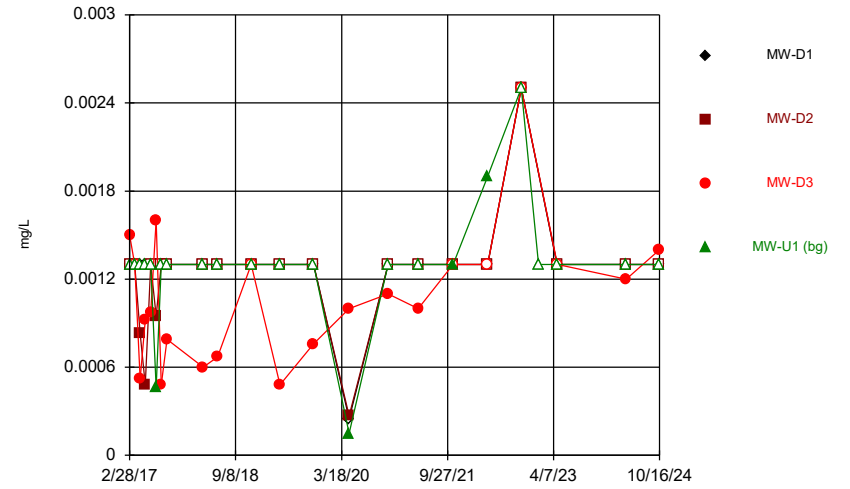
Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-D1	0.0025	0.0005	0.006	No	15	0.002367	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-D2	0.0025	0.0005	0.006	No	15	0.002367	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-D3	0.0025	0.0005	0.006	No	15	0.002367	100	None	No	0.01	NP (NDs)
Antimony (mg/L)	MW-U1 (bg)	0.0025	0.0005	0.006	No	17	0.002382	100	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-D1	0.0025	0.00025	0.01	No	22	0.001307	100	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-D2	0.0013	0.00095	0.01	No	22	0.001233	81.82	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-D3	0.001064	0.0007065	0.01	No	22	0.00109	27.27	Kapla...	No	0.01	Param.
Arsenic (mg/L)	MW-U1 (bg)	0.0019	0.0013	0.01	No	23	0.001292	82.61	Kapla...	No	0.01	NP (NDs)
Barium (mg/L)	MW-D1	0.01668	0.01222	2	No	23	0.01467	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	MW-D2	0.1557	0.131	2	No	23	0.1433	0	None	No	0.01	Param.
Barium (mg/L)	MW-D3	0.1625	0.09433	2	No	23	0.1284	0	None	No	0.01	Param.
Barium (mg/L)	MW-U1 (bg)	0.0026	0.0021	2	No	24	0.002538	0	None	No	0.01	NP (normality)
Beryllium (mg/L)	MW-D1	0.0025	0.0004	0.004	No	15	0.001927	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-D2	0.0025	0.0004	0.004	No	15	0.001927	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-D3	0.0025	0.0004	0.004	No	15	0.001927	100	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-U1 (bg)	0.0025	0.0004	0.004	No	16	0.001931	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-D1	0.0025	0.0002	0.005	No	16	0.001044	100	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-D2	0.0025	0.000075	0.005	No	16	0.001036	93.75	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-D3	0.0025	0.000071	0.005	No	16	0.001036	93.75	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-U1 (bg)	0.0025	0.0002	0.005	No	17	0.001041	100	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-D1	0.0034	0.0018	0.1	No	21	0.002486	85.71	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-D2	0.0026	0.0012	0.1	No	21	0.00241	85.71	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-D3	0.0029	0.0017	0.1	No	21	0.002443	85.71	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-U1 (bg)	0.0022	0.0013	0.1	No	22	0.001918	9.091	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-D1	0.0025	0.0016	0.006	No	20	0.002355	95	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-D2	0.0025	0.001	0.006	No	20	0.002323	90	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-D3	0.001238	0.0008154	0.006	No	20	0.00149	25	Kapla...	No	0.01	Param.
Cobalt (mg/L)	MW-U1 (bg)	0.0025	0.0013	0.006	No	22	0.002264	95.45	Kapla...	No	0.01	NP (NDs)
Combined Radium 226 + ...	MW-D1	0.5321	0.2561	5	No	23	0.4849	26.09	Kapla...	No	0.01	Param.
Combined Radium 226 + ...	MW-D2	0.6546	0.3198	5	No	23	0.5402	26.09	Kapla...	No	0.01	Param.
Combined Radium 226 + ...	MW-D3	0.6429	0.2887	5	No	23	0.5394	30.43	Kapla...	No	0.01	Param.
Combined Radium 226 + ...	MW-U1 (bg)	0.1925	5.0e-7	5	No	23	0.3634	30.43	Kapla...	x^(1/3)	0.01	Param.
Fluoride (mg/L)	MW-D1	0.09299	0.06387	4	No	23	0.08013	0	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	MW-D2	0.07645	0.05713	4	No	23	0.068	13.04	None	x^(1/3)	0.01	Param.
Fluoride (mg/L)	MW-D3	0.13	0.11	4	No	23	0.1248	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	MW-U1 (bg)	0.07859	0.05712	4	No	24	0.069	12.5	None	sqrt(x)	0.01	Param.
Lead (mg/L)	MW-D1	0.0013	0.0008	0.015	No	15	0.001197	93.33	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-D2	0.0013	0.0005	0.015	No	15	0.001115	86.67	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-D3	0.0013	0.00025	0.015	No	15	0.00123	100	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-U1 (bg)	0.0013	0.00065	0.015	No	17	0.0012	94.12	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-D1	0.005	0.0023	0.04	No	18	0.002517	94.44	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-D2	0.0031	0.0011	0.04	No	18	0.002483	88.89	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-D3	0.005	0.0024	0.04	No	18	0.002454	83.33	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-U1 (bg)	0.0058	0.0005	0.04	No	19	0.002455	89.47	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-D1	0.0002	0.000077	0.002	No	15	0.000...	93.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-D2	0.0002	0.00018	0.002	No	15	0.000...	86.67	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-D3	0.0002	0.00011	0.002	No	15	0.000194	93.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-U1 (bg)	0.0002	0.000099	0.002	No	16	0.000...	93.75	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-D1	0.015	0.002	0.1	No	21	0.01033	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-D2	0.015	0.0025	0.1	No	21	0.009157	85.71	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-D3	0.004279	0.002452	0.1	No	21	0.00481	19.05	Kapla...	x^(1/3)	0.01	Param.
Molybdenum (mg/L)	MW-U1 (bg)	0.02	0.003	0.1	No	22	0.009368	95.45	Kapla...	No	0.01	NP (NDs)
Selenium (mg/L)	MW-D1	0.0014	0.00083	0.05	No	18	0.001167	83.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-D2	0.0026	0.001	0.05	No	18	0.001204	77.78	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-D3	0.0015	0.001	0.05	No	18	0.001279	66.67	None	No	0.01	NP (normality)
Selenium (mg/L)	MW-U1 (bg)	0.0013	0.00062	0.05	No	20	0.001049	65	None	No	0.01	NP (normality)
Thallium (mg/L)	MW-D1	0.0005	0.0001	0.002	No	19	0.000...	100	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-D2	0.0005	0.00011	0.002	No	19	0.000...	47.37	None	No	0.01	NP (normality)
Thallium (mg/L)	MW-D3	0.0005	0.00011	0.002	No	19	0.000...	26.32	None	No	0.01	NP (normality)
Thallium (mg/L)	MW-U1 (bg)	0.0005	0.0001	0.002	No	20	0.00048	100	None	No	0.01	NP (NDs)

Time Series



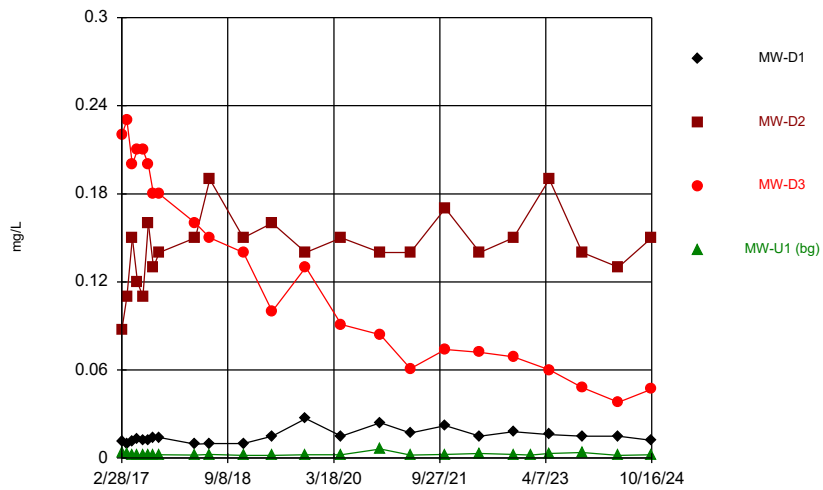
Constituent: Antimony Analysis Run 12/27/2024 4:15 PM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Time Series



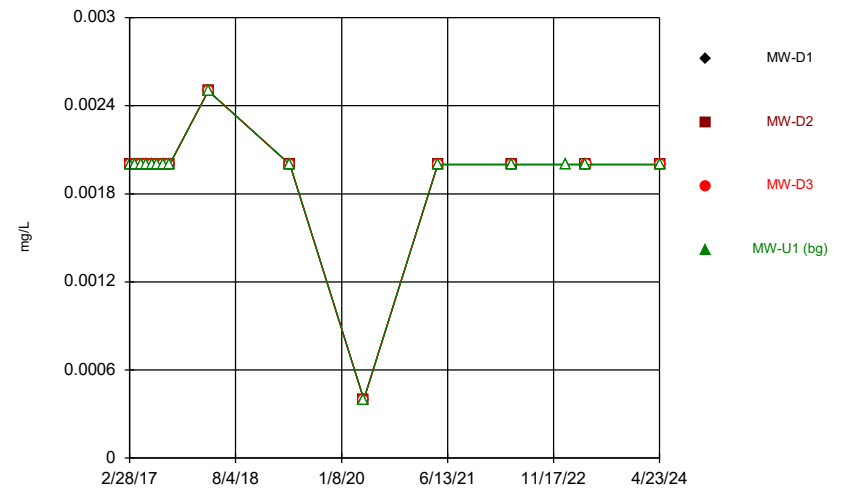
Constituent: Arsenic Analysis Run 12/27/2024 4:15 PM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Time Series



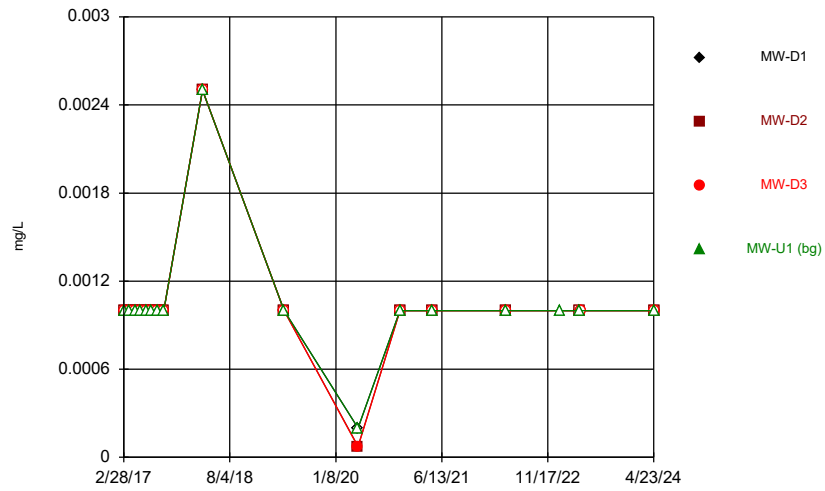
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CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Time Series



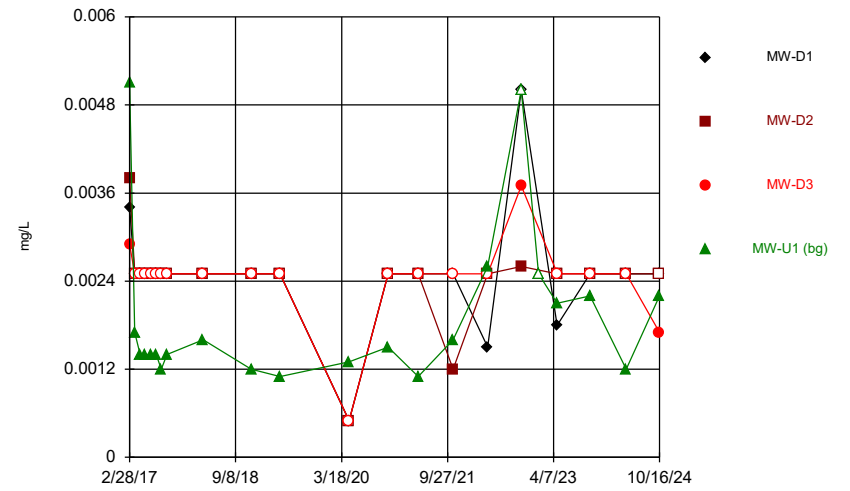
Constituent: Beryllium Analysis Run 12/27/2024 4:15 PM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Time Series



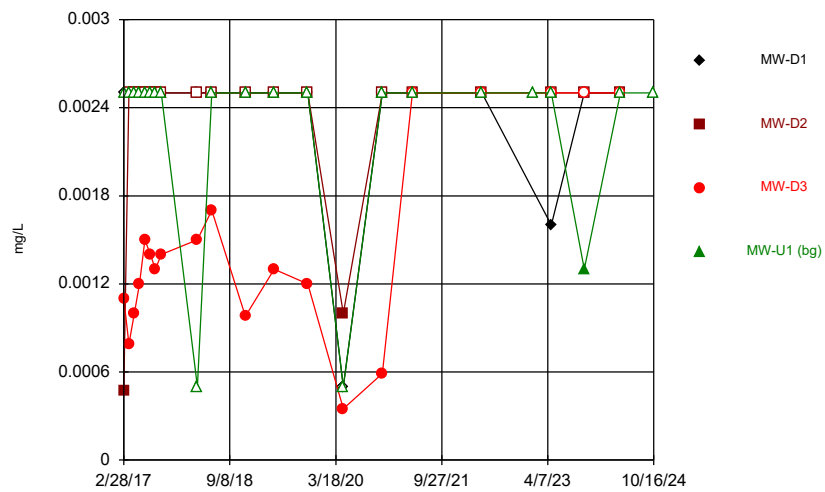
Constituent: Cadmium Analysis Run 12/27/2024 4:15 PM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Time Series



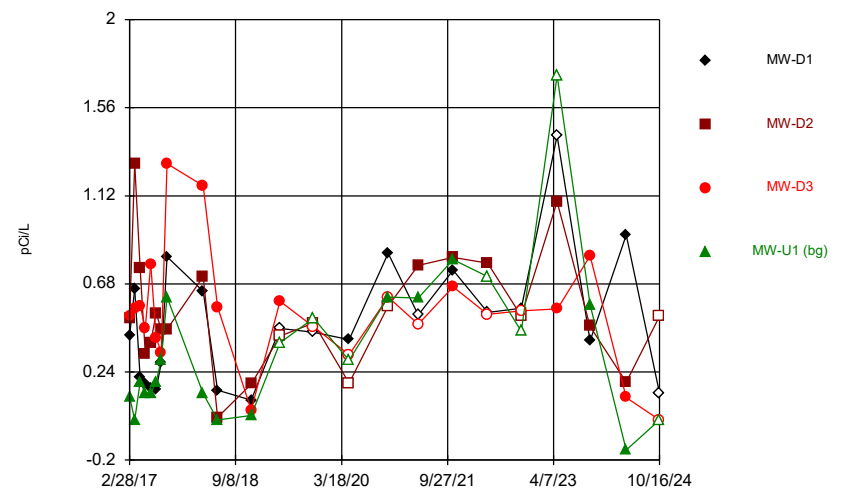
Constituent: Chromium Analysis Run 12/27/2024 4:15 PM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Time Series



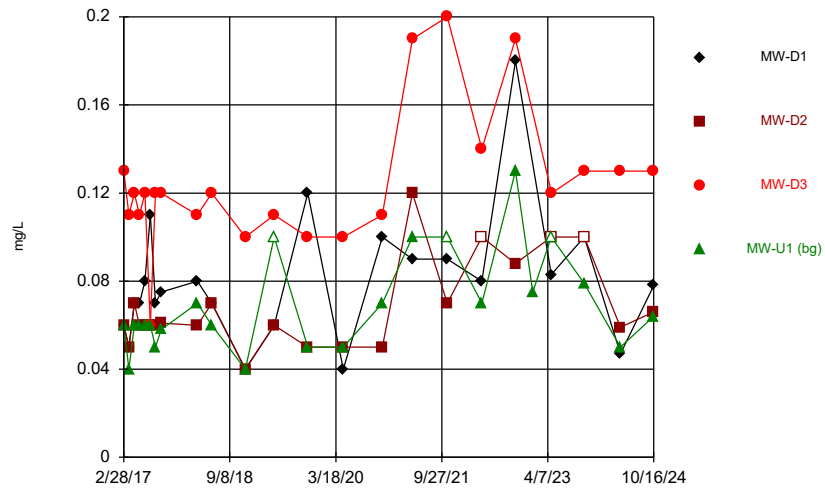
Constituent: Cobalt Analysis Run 12/27/2024 4:15 PM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Time Series



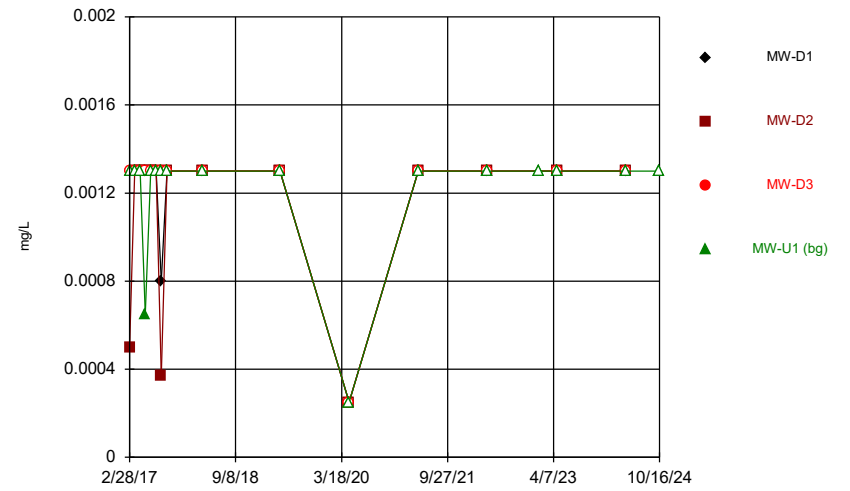
Constituent: Combined Radium 226 + 228 Analysis Run 12/27/2024 4:15 PM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Time Series



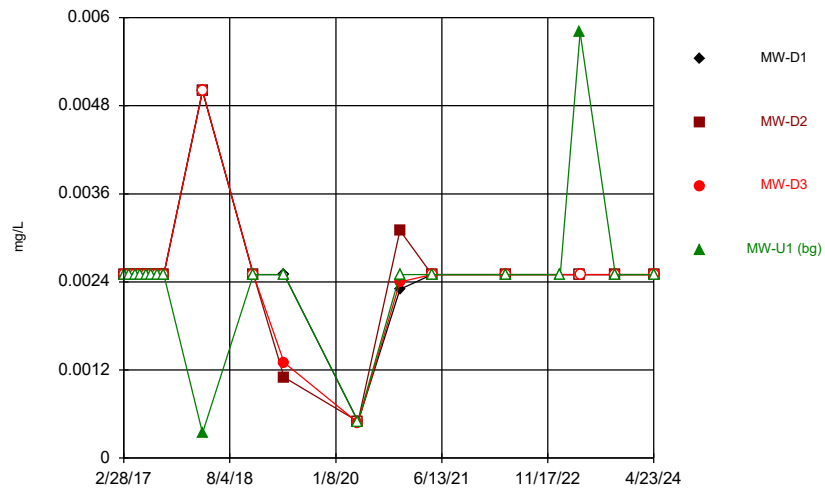
Constituent: Fluoride Analysis Run 12/27/2024 4:15 PM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Time Series



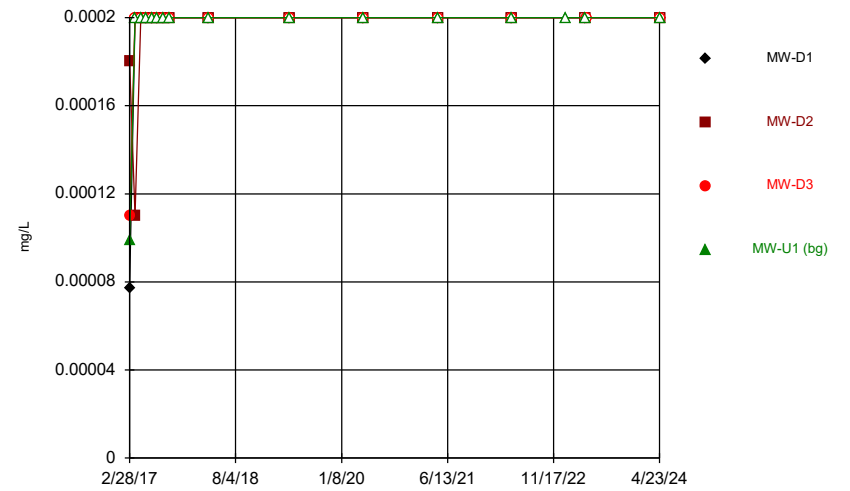
Constituent: Lead Analysis Run 12/27/2024 4:15 PM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Time Series



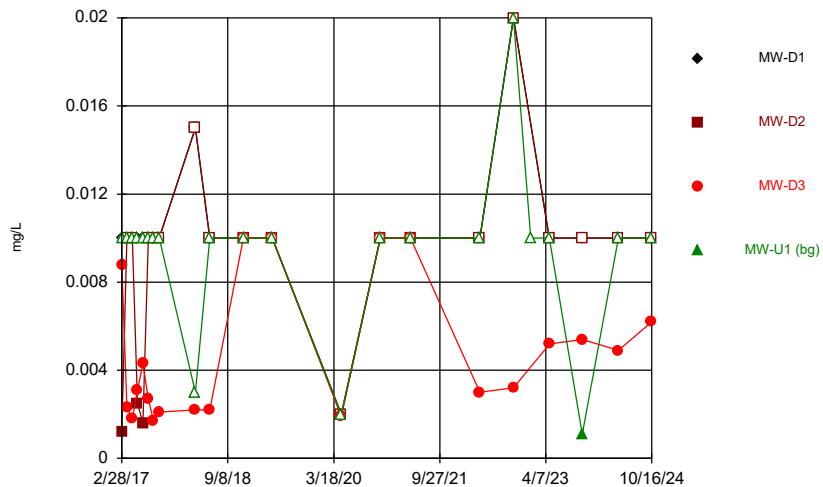
Constituent: Lithium Analysis Run 12/27/2024 4:15 PM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Time Series



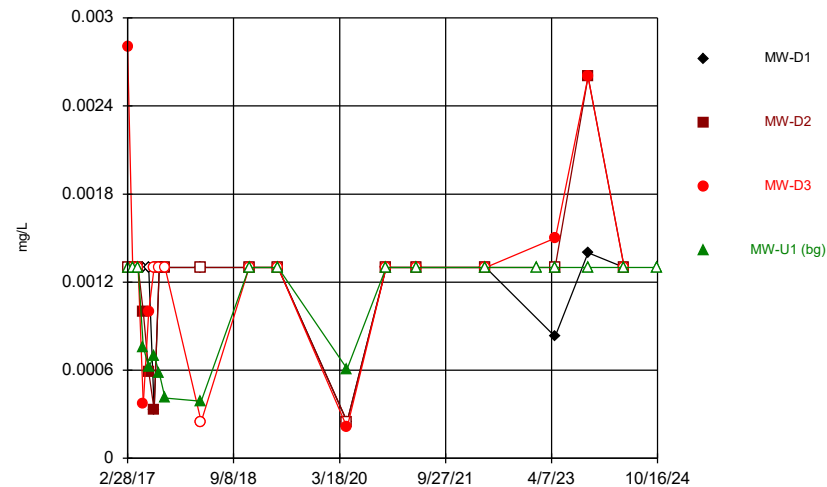
Constituent: Mercury Analysis Run 12/27/2024 4:15 PM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Time Series



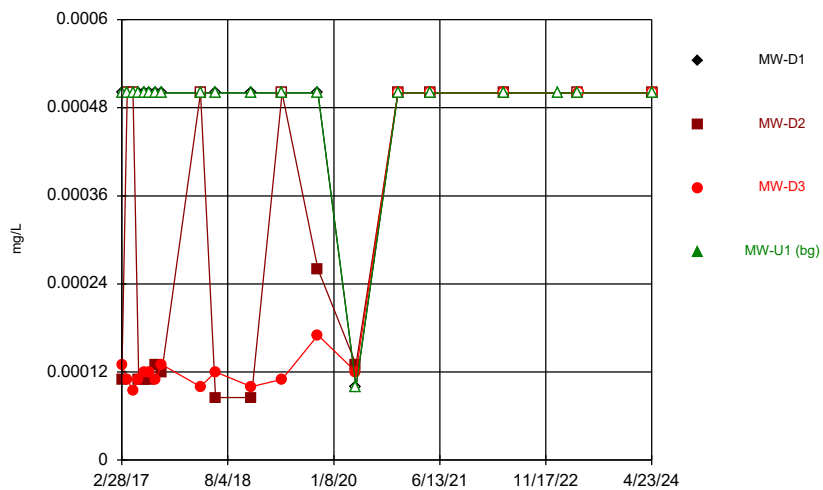
Constituent: Molybdenum Analysis Run 12/27/2024 4:15 PM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Time Series



Constituent: Selenium Analysis Run 12/27/2024 4:15 PM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event

Time Series



Constituent: Thallium Analysis Run 12/27/2024 4:15 PM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling 2024 October Event