



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

2023 ANNUAL GROUNDWATER MONITORING REPORT

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

Prepared by
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consultants

engineers | scientists | innovators

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January 2024

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.

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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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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
DO	Dissolved Oxygen
ft/day	Feet per Day
ft/ft	Feet per Foot
ft/year	Feet per Year
GA EPD	Georgia Environmental Protection Division
Geosyntec	Geosyntec Consultants, Inc.
GWPS	Groundwater Protection Standard
<i>i</i>	horizontal hydraulic gradient
K_h	Horizontal Hydraulic Conductivity
MCL	Maximum Contaminant Level
mg/L	Milligram per Liter
MW	Megawatt
n_e	effective porosity
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
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 Ash Pond (ash pond) in accordance with the United States Environmental Protection Agency (USEPA) Coal Combustion Residuals (CCR) Rule [40 Code of Federal Regulations (C.F.R.) Part 257, Subpart D] and the Georgia Environmental Protection Division (GA EPD) Rule for CCR (391-3-4-.10). The timeline and status of the monitoring program and the relevant findings and conclusions derived for this reporting period (January through December 2023) 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 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 above background levels were identified for the Appendix III¹ constituents set forth below where concentrations of Appendix III constituents in the downgradient monitoring wells are 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 statistically significant increases (SSIs) of Appendix III and SSLs of Appendix IV parameters is provided in the table below³.

Appendix III Parameter	April 2023	October 2023
<i>Boron</i>	<i>MW-D1, MW-D2, MW-D3</i>	<i>MW-D1, MW-D2, MW-D3</i>
<i>Calcium</i>	<i>MW-D1, MW-D2, MW-D3</i>	<i>MW-D1, MW-D2, MW-D3</i>
<i>Fluoride</i>	<i>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>

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 some of the detected Appendix III and Appendix IV constituents were below their laboratory reporting limit (i.e., values shown with “J” flag represent approximate concentrations) as shown in Tables 4 through 7.

<i>Total Dissolved Solids (TDS)</i>	<i>MW-D1, MW-D2, MW-D3</i>	<i>MW-D1, MW-D2, MW-D3</i>
Appendix IV Parameter⁴	<i>No SSLs</i>	<i>No SSLs</i>

- Pursuant to 40 C.F.R. §257.95(d)(1) and GA EPD CCR Rule, assessment monitoring will continue at the ash pond. The next assessment report will be submitted to the GA EPD in July 2024.

⁴ A statistically significant level (SSL)-related constituent is determined by comparing the confidence intervals developed to either the constituent's MCL, if available; where an MCL has not been established, then a CCR-rule specific GWPS; or background concentrations for constituents where the concentration is greater than the MCL or rule specified GWPS.

1.0 INTRODUCTION

1.1 Overview

Geosyntec Consultants (Geosyntec) of Kennesaw, Georgia, at the request of Crisp County Power Commission (CCPC), prepared this 2023 Annual Groundwater Monitoring Report for the ash pond located at CCPC's Plant Crisp (the Site). Plant Crisp is located in Warwick, Georgia, on the southern end of Lake Blackshear (**Figure 1**). CCPC installed a groundwater monitoring well network in February 2017 in compliance with the requirements of the 40 Code of Federal Regulations (C.F.R.) §257.91 and Section 391-3-4-.10(6) of the Georgia Environmental Protection Division (GA EPD) Coal Combustion Residuals (CCR) Rule.

A groundwater detection monitoring program was conducted between February and September 2017 in compliance with the requirements of the 40 C.F.R. §257.94. The first Annual Groundwater Monitoring Report summarizing the results of detection groundwater monitoring activities was prepared in January 2018 [Geosyntec, 2018]. In compliance with 40 C.F.R. §257.95(a), CCPC initiated an assessment monitoring program for the ash pond in March 2018. The assessment monitoring continued in 2023 by performing semi-annual monitoring events in April 2023 and October 2023. The April 2023 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 2023 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 2023 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 ash pond with the initial preparation in October 2017 and latest revision in in April 2020.

The purpose of this report is to present a summary of the April 2023 and October 2023 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.

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.

In summary, the April 2023 and October 2023 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 ash pond located within the plant property using wet sluicing method. The ash pond was constructed in the mid-1970s, as an unlined pond [CDM Smith, 2014], and started to receive sluiced ash in 1976. The coal burning and resulting ash disposal was conducted until August 2015. The coal burn unit was briefly re-activated in December 2016 to eliminate an existing small coal supply. The last burning of coal took place on March 22, 2017. The electrical generation facility, ash pond, and hydroelectric dam are located on approximately 100 acres of CCPC property near Lake Blackshear and the Flint River (**Figure 1**). The ash pond was classified as a low hazard unit during the USEPA's CCR impoundment assessment, dated February 2014 and conducted by CDM Smith [CDM Smith, 2014].

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

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.

The ash pond closure construction started in November 2021 and continued throughout this reporting period. When this report was prepared, CCR removal activities have been completed and the final site restoration activities were ongoing.

1.3 Geologic and Hydrogeologic Setting

CCPC is located in the Coastal Plain Physiographic Province of Georgia, which is generally characterized by gently rolling to nearly flat topography. The Coastal Plain Physiographic Province of Georgia is characterized by Late Cretaceous and Cenozoic 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 ash pond, representing background groundwater conditions, and three monitoring wells (MW-D1, MW-D2, and MW-D3) located downgradient of the ash pond. The locations of the monitoring wells are shown on **Figure 1** and well construction details are provided in **Table 1**. The monitoring wells are screened in the uppermost aquifer underlying the ash pond, which occurs in the alluvium and some upper portions of the residuum.

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

2.0 GROUNDWATER SAMPLING AND LABORATORY ANALYSIS RESULTS

2.1 Groundwater Sampling and Laboratory Analysis

Groundwater assessment monitoring events for this reporting period were conducted in April 2023 and in October 2023. 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 2023 and October 2023 potentiometric surface maps. These maps are provided as **Figure 2** and **Figure 3**, respectively. Based on the April and October 2023 potentiometric surface maps, groundwater flow direction is from southeast towards northwest with a hydraulic gradient of approximately 0.012 feet per foot (ft/ft) in both cases (**Table 3**). The average horizontal groundwater flow velocity was calculated using Darcy's equation as approximately 9.0 feet per year (ft/year) (**Table 3**).

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

- pH \pm 0.1 Standard Units (SU);

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

- Conductivity $\pm 5\%$;
- Turbidity measured less than 10 nephelometric turbidity units (NTU);
- Other parameters used are dissolved oxygen ± 0.2 milligrams per liter (mg/L) or $\pm 10\%$ change in saturation, whichever is greater and ORP (reasonable ORP stability goal is ± 20 mV).

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

The groundwater samples were collected in laboratory-provided containers. Following sampling, the bottles were sealed, labeled, packed in ice, and shipped under chain-of-custody protocol to Eurofins Test America Laboratories 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 2023 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 2023 groundwater samples were analyzed for Appendix III constituents and the Appendix IV constituents that were detected during the April 2023 monitoring event (i.e., barium, chromium, cobalt, fluoride, molybdenum, radium 226 and 228 combined, and selenium). Groundwater pH, also an Appendix III constituent, was measured in the field using a Horiba water quality meter.

Field duplicate samples (DUP-20 in April 2023 and DUP-21 in October 2023) were collected for quality assurance/quality control (QA/QC). DUP-20 and DUP-21 were collected from monitoring wells MW-D3 and MW-D2, 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 Test America Laboratories. Results from the duplicate samples were presented in **Tables 4 through 7**. Field sampling quality control samples (field blank and equipment blank) were collected during the October 2023 monitoring event.

2.2 April 2023 Groundwater Monitoring Results

Laboratory analytical results for Appendix III constituents from the April 2023 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, chromium, cobalt, fluoride, molybdenum, radium 226 and 228 combined, and selenium) were detected in the downgradient monitoring wells. Similarly, low levels of barium, chromium, and lithium 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 2023 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 2023 Groundwater Monitoring Results

Laboratory analytical results of Appendix III constituents from the October 2023 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 2023 groundwater assessment monitoring event are summarized in **Table 7**. Low levels of Appendix IV constituents (barium, fluoride, molybdenum, radium 226 and 228 combined, and selenium) were detected in the downgradient monitoring wells but significantly below groundwater protection standard or MCL levels; however, the molybdenum concentration was approximate (i.e., shown with "J" flag). Similarly, low levels of barium, chromium, cobalt, fluoride, and molybdenum 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 2023 monitoring event can be naturally occurring as some of these constituents were also detected at low concentrations in the background well. The October 2023 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 2023 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: boron, calcium, fluoride, sulfate, and TDS during the April 2023 and October 2023 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 2023 reporting period. The Sanitas[™] statistical calculations and time-series graphs for each constituent are provided in **Appendix C**.

5.0 FUTURE GROUNDWATER MONITORING PROGRAM

Data collected during the assessment monitoring events indicated that Appendix IV constituents detected in the downgradient monitoring wells were below their respective GWPS. Pursuant to the CCR Rule 40 C.F.R. §257.95(d)(1) and GA EPD's CCR Rules, CCPC will continue groundwater sampling semi-annually for Appendix III and Appendix IV constituents. The next annual groundwater monitoring report summarizing the 2024 groundwater monitoring results will be submitted by January 31, 2025. Pursuant to the GA EPD CCR Rule 391-3-4-.10(6)(c), a semi-annual monitoring will be conducted in April 2024 and a semi-annual monitoring report will be submitted to GA EPD by July 31, 2024.

The CCR removal at the ash pond has been completed in 2023. Assuming the concentrations of the Appendix IV constituents continue to be remaining below their respective GWPS, CCPC will revisit and update the groundwater monitoring timeline in accordance with 40 C.F.R. §257.102(c), GA EPD CCR Rule 391-3-4-.10, and the requirements listed in the ash pond's CCR handling permit.

6.0 REFERENCES

- CDM Smith, (2014). “Assessment of Dam Safety of Coal Combustion Surface Impoundments – Final Report: Crisp County Power Commission Plant Crisp Warwick, Georgia.” Prepared for U.S. Environmental Protection Agency Washington, D.C., Rev. 1, February 2014.
- Geologic Map of Georgia, (1976, Reprinted in 1997), Georgia Department of Natural Resources, Geologic and Water Resources Division, Georgia Geologic Survey.
- Geosyntec (2018). Annual Groundwater Monitoring Report. Plant Crisp Ash Pond. Prepared for Crisp County Power Commission, January 2018.
- Geosyntec Consultants. (2019). Supplemental Hydrogeologic Assessment Report for Plant Crisp Ash Pond Revision 1, Crisp County Power Commission. December 2019.
- Geosyntec Consultants. (2020). Groundwater Monitoring and Statistical Analysis Plan. Crisp County Power Commission, Plant Crisp Ash Pond. April 2020.
- Geosyntec Consultants. (2022). Semi-annual Groundwater Monitoring Report. Plant Crisp Ash Pond. Prepared for Crisp County Power Commission, July 2022.
- Hicks, D.W., Gill, H.E., and Longworth S.A. (1987). Hydrogeology, Chemical Quality, and Availability of Ground Water in the Upper Floridan Aquifer, Albany Area, Georgia (USGS).
- ND&T, Inc. (1994). Report of Geotechnical Investigation, Lake Blackshear Dam Repairs, November 1994.
- Rizzo Associates. (2015). “Dam Safety Assessment Report Plant Crisp Coal Combustion Waste Impoundment.” Submitted to Crisp County Power Commission, 14-5232, Rev. 0, January 2015.
- USEPA, 2009. Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance. Office of Resource Conservation and Recovery – Program Implementation and Information Division. March 2009.
- USEPA (2013). Science and Ecosystem Support Division (SESD, Athens, Georgia) Sample and Evidence Management (SESDPROC-005-R2).

USEPA (2015). Science and Ecosystem Support Division (SESD, Athens, Georgia) Field Equipment Cleaning and Decontamination (SESDPROC-205-R3).

USEPA (2023). Laboratory Services & Applied Science Division (LSASD, Athens, Georgia) Operating Procedure (LSASDPROC-301-R6).

TABLES

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

Well ID	Hydraulic Location	Installation Date	Well Depth (ft BTOC)	Easting⁽¹⁾	Northing⁽¹⁾	TOC Elevation⁽²⁾ (ft MSL)	Screen Interval Elevation⁽²⁾ (ft MSL)
MW-D1	Downgradient	2/22/2017	22.9	2365315.12	670708.47	241.77	218.85 - 228.85
MW-D2	Downgradient	2/21/2017	22.6	2365308.73	671291.61	232.66	209.64 - 219.64
MW-D3	Downgradient	2/22/2017	22.7	2365715.53	671291.07	233.78	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 Ash Pond**

Well ID	Monitoring CCR Unit	TOC Elevation (ft MSL) ⁽¹⁾	Date: 4/26/2023		Date: 10/17/2023	
			Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft MSL)	Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft MSL)
MW-D1	Ash Pond	241.77	15.75	226.02	16.15	225.62
MW-D2	Ash Pond	232.66	12.63	220.03	13.46	219.20
MW-D3	Ash Pond	233.78	7.83	225.95	7.89	225.89
MW-U1	Ash Pond	249.52	12.10	237.42	15.64	233.88
MW-D4	Secondary Ash Area	246.51	11.00	235.51	13.59	232.92
MW-D5	Secondary Ash Area	241.16	8.90	232.26	10.41	230.75
MW-D6	Secondary Ash Area	252.63	22.50	230.13	23.95	228.68
MW-D7	Secondary Ash Area	230.18	6.64	223.54	8.28	221.90
MW-D8	Secondary Ash Area	226.76	6.52	220.24	8.52	218.24
MW-D9	Secondary Ash Area	221.42	6.95	214.47	11.03	210.39
MW-U2	Secondary Ash Area	248.79	11.24	237.55	15.24	233.55
Lake Blackshear	--	--	--	236.95 ⁽²⁾	--	236.87 ⁽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 4/26/2023 at 12:00 PM.

⁽³⁾: Surface water elevation on 10/17/2023 at 12:00 PM.

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

Location	Hydraulic Gradient (4/26/2023)				Groundwater Flow Velocity (4/26/2023)			Hydraulic Gradient (10/17/2023)				Groundwater Flow Velocity (10/17/2023)		
	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	237.42	214.47	2,075	0.011	0.41	0.20	8.3	233.88	210.39	2,075	0.011	0.41	0.20	8.5
Between MW-D4 (h ₁) and MW-D9	235.51	214.47	1,690	0.012	0.41	0.20	9.3	232.92	210.39	1,690	0.013	0.41	0.20	10.0
Between Lake Blackshear (h ₁) and MW-D3 (h ₂)	236.95	225.95	905	0.012	0.41	0.20	9.1	236.87	225.89	905	0.012	0.41	0.20	9.1
Average				0.012			8.9				0.012			9.2

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 26 April 2023
Crisp County Power Commission
Plant Crisp Ash Pond

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

Constituent	Unit	MCL ⁽¹⁾	MDL ⁽²⁾	Upgradient Well ID	Downgradient Well ID			
				MW-U1	MW-D1	MW-D2	MW-D3	
							MW-D3	DUP-20
Boron	mg/L	N/A	0.0012	<0.05 (0.02 J B)	0.1 B	0.12 B	0.17 B	0.17 B
Calcium	mg/L	N/A	0.13	37	68	130	87	89
Chloride	mg/L	N/A	1.4	<2.0 (1.7 J)	4.1	3.0	2.6	2.6
Fluoride	mg/L	4	0.070	ND	<0.1 (0.083 J)	ND	0.12	0.12
Sulfate	mg/L	N/A	1.4	<5.0 (2.0 J)	26	14	28	28
pH⁽³⁾	S.U.	N/A	--	7.82	7.09	6.78	6.56	6.56
Total Dissolved Solids	mg/L	N/A	5.0	110	200	370	270	260

Notes:

mg/L = milligrams per liter.

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.

B = compound was found in the blank and sample.

-- = not applicable

DUP-20 is a duplicate sample collected from MW-D3.

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

⁽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 26 April 2023
Crisp County Power Commission
Plant Crisp Ash Pond**

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

Constituent	Unit	MCL ⁽¹⁾	USEPA's Health-Based Level ⁽²⁾	MDL	Upgradient Well ID		Downgradient Well ID		
					MW-U1	MW-D1	MW-D2	MW-D3	
								MW-D3	DUP-20
Antimony	mg/L	0.006	N/A	0.0015	ND	ND	ND	ND	ND
Arsenic	mg/L	0.01	N/A	0.0012	ND	ND	ND	ND	ND
Barium	mg/L	2	N/A	0.00070	0.0031	0.016	0.19	0.060	0.060
Beryllium	mg/L	0.004	N/A	0.00092	ND	ND	ND	ND	ND
Cadmium	mg/L	0.005	N/A	0.00065	ND	ND	ND	ND	ND
Chromium	mg/L	0.1 ⁽³⁾	N/A	0.0010	<0.0025 (0.0021 J)	<0.0025 (0.0018 J)	ND	ND	ND
Cobalt	mg/L	N/A	0.006	0.00056	ND	<0.0025 (0.0016 J)	ND	ND	ND
Fluoride	mg/L	4	N/A	0.070	ND	<0.1 (0.083 J)	ND	0.12	0.12
Lead	mg/L	0.015 ⁽⁴⁾	N/A	0.00081	ND	ND	ND	ND	ND
Lithium	mg/L	N/A	0.04	0.0049	0.0058	ND	ND	ND	ND
Mercury	mg/L	0.002 ⁽⁵⁾	N/A	0.00015	ND	ND	ND	ND	ND
Molybdenum	mg/L	N/A	0.1	0.0013	ND	ND	ND	<0.01 (0.0052 J)	<0.01 (0.0053 J)
Radium 226 and 228 Combined	pCi/L	5	N/A	-- ⁽⁶⁾	1.39 U	1.07 U	1.090	0.555	-0.111
Selenium	mg/L	0.05	N/A	0.00082	ND	<0.0013 (0.00083 J)	ND	0.0015	ND
Thallium	mg/L	0.002	N/A	0.00046	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⁾: USEPA's health-based level as Groundwater Protection Standard (40 CFR §257.95 (h)(2)).

⁽³⁾: MCL value for total chromium.

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

⁽⁵⁾: Value for inorganic mercury.

⁽⁶⁾: During the analysis of radium, background concentrations are subtracted, thus each sample have a different Minimum Detectable Concentration (MDC). The MDCs were as follows: 1.72 pCi/L for MW-U1, 1.42 pCi/L for MW-D1, 1.06 pCi/L for MW-D2, 0.534 pCi/L for MW-D3, and 0.619 pCi/L for DUP-20.

Table 6. Appendix III Analytical Data Summary - Sampling Performed on 17 October 2023
Crisp County Power Commission
Plant Crisp Ash Pond

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

Constituent	Unit	MCL ⁽¹⁾	MDL ⁽²⁾	Upgradient Well ID	Downgradient Well ID			
				MW-U1	MW-D1	MW-D2		MW-D3
						MW-D2	DUP-21	
Boron	mg/L	N/A	0.0290	0.34	0.49	0.48	0.46	0.51
Calcium	mg/L	N/A	0.13	36	68	120	120	79
Chloride	mg/L	N/A	1.4	<2 (1.9 J)	<2 (1.9 J)	2.2	<2 (1.7 J)	2.0
Fluoride	mg/L	4	0.070	<0.1 (0.079 J)	0.10	ND	ND	0.13
Sulfate	mg/L	N/A	1.4	<5 (2.0 J)	24	16	16	27
pH⁽³⁾	S.U.	N/A	--	8.10	7.10	7.06	7.06	7.10
Total Dissolved Solids	mg/L	N/A	5.0	110 H	220 H	360 H	360 H	260 H

Notes:

mg/L = milligrams per liter

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-21 is a duplicate sample collected from MW-D2.

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

⁽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 17 October 2023
Crisp County Power Commission
Plant Crisp Ash Pond

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

Constituent	Unit	MCL ⁽¹⁾	USEPA's Health-Based Level ⁽²⁾	MDL	Upgradient Well ID		Downgradient Well ID		
					MW-U1	MW-D1	MW-D2		MW-D3
							MW-D2	DUP-21	
Barium	mg/L	2	N/A	0.00180	0.0038	0.015 F1	0.14	0.14	0.048
Chromium	mg/L	0.1 ⁽³⁾	N/A	0.0021	<0.0025 (0.0022 J)	ND	ND	ND	ND
Cobalt	mg/L	N/A	0.006	0.00056	<0.0025 (0.0013 J)	ND	ND	ND	ND
Fluoride	mg/L	4	N/A	0.070	<0.10 (0.079 J)	0.1	ND	ND	0.13
Lithium	mg/L	N/A	0.04	0.0049	ND	ND	ND	ND	ND
Molybdenum	mg/L	N/A	0.1	0.00046	<0.01 (0.0011 J)	ND	ND	ND	<0.01 (0.0054 J)
Radium 226 and 228 Combined	pCi/L	5	N/A	-- ⁽⁴⁾	0.576 U	0.396 U	0.468 U	0.493 U	0.821
Selenium	pCi/L	0	N/A	0.00082	ND	0.0014	0.0026	ND	0.0026

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.

F1 = MS and/or MSD recovery exceeds control limits.

B = Compound was found in the blank and sample.

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⁾: USEPA's health-based level as Groundwater Protection Standard (40 CFR §257.95 (h)(2)).

⁽³⁾: MCL value for total chromium.

⁽⁴⁾: During the analysis of radium, background concentrations are subtracted, thus each sample have a different Minimum Detectable Concentration (MDC). The MDCs were as follows: 0.702 pCi/L for MW-U1, 0.579 pCi/L for MW-D1, 0.530 pCi/L for MW-D2, 0.543 pCi/L for MW-D3, and 0.532 pCi/L for DUP-21.

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

Appendix III to Part 257 Constituents for Detection Monitoring	Prediction Limit¹	Wells with SSI (April 2023 Monitoring)	Wells with SSI (October 2023 Monitoring)
Boron (mg/L)	0.34	MW-D1, MW-D2, MW-D3	MW-D1, MW-D2, MW-D3
Calcium (mg/L)	39.47	MW-D1, MW-D2, MW-D3	MW-D1, MW-D2, MW-D3
Chloride (mg/L)	9.833	None	None
Field pH (SU)	<5.74 or >9.171	None	None
Fluoride (mg/L)	0.1008	MW-D3	MW-D3
Sulfate (mg/L)	8.867	MW-D1, MW-D2, MW-D3	MW-D1, MW-D2, MW-D3
Total Dissolved Solids (TDS) (mg/L)	141.8	MW-D1, MW-D2, MW-D3	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 October 2023. The April 2023 concentrations were compared to the prediction values calculated in April 2023. The October 2023 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 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	14	14	100%	<0.0005	<0.0025		0.006	0.006
	MW-D2	14	14	100%	<0.0005	<0.0025			
	MW-D3	14	14	100%	<0.0005	<0.0025			
	MW-U1	15	15	100%	<0.0005	<0.0025	0.0025		
Arsenic [mg/L]	MW-D1	20	20	100%	<0.00025	<0.0025		0.01	0.01
	MW-D2	20	16	80%	0.00027 (B)	<0.0025			
	MW-D3	20	5	25%	0.00048 (J)	<0.0025			
	MW-U1	21	17	81%	0.00015 (JB)	<0.0025	0.0025		
Barium [mg/L]	MW-D1	21	0	0%	0.0095	0.027		2	2
	MW-D2	21	0	0%	0.087	0.190			
	MW-D3	21	0	0%	0.048	0.230			
	MW-U1	22	0	0%	0.0018	0.0062	0.0062		
Beryllium [mg/L]	MW-D1	14	14	100%	<0.0004	<0.0025		0.004	0.004
	MW-D2	14	14	100%	<0.0004	<0.0025			
	MW-D3	14	14	100%	<0.0004	<0.0025			
	MW-U1	15	15	100%	<0.0004	<0.0025	0.002		
Cadmium [mg/L]	MW-D1	15	15	100%	<0.0002	<0.0025		0.005	0.005
	MW-D2	15	14	93%	0.000075 (J)	<0.0025			
	MW-D3	15	14	93%	0.000071 (J)	<0.0025			
	MW-U1	16	16	100%	<0.0002	<0.0025	0.001		
Chromium [mg/L]	MW-D1	19	16	84%	<0.0005	0.0050		0.1	0.1
	MW-D2	19	16	84%	<0.0005	0.0038			
	MW-D3	19	17	89%	<0.0005	0.0037			
	MW-U1	20	2	10%	0.0011	0.0051	0.0051		
Cobalt [mg/L]	MW-D1	19	18	95%	<0.0005	<0.0025		0.006	0.006
	MW-D2	19	17	89%	0.00047 (J)	<0.0025			
	MW-D3	19	4	21%	0.00035 (J)	<0.0025			
	MW-U1	20	19	95%	<0.0005	<0.0025	0.0025		
Fluoride [mg/L]	MW-D1	21	0	0%	0.040	0.180		4	4
	MW-D2	21	3	14%	0.040	0.120			
	MW-D3	21	0	0%	0.060	0.200 F1			
	MW-U1	22	3	14%	0.040	0.130	0.1235		
Lead [mg/L]	MW-D1	14	13	93%	<0.00025	<0.0013		0.015	0.0015
	MW-D2	14	12	86%	<0.00025	<0.0013			
	MW-D3	14	14	100%	<0.00025	<0.0013			
	MW-U1	15	14	93%	<0.00025	<0.0013	0.0013		
Lithium [mg/L]	MW-D1	17	16	94%	<0.0005	<0.005		0.04	0.04
	MW-D2	17	15	88%	<0.0005	<0.005			
	MW-D3	17	14	82%	0.00048 (J)	<0.005			
	MW-U1	18	16	89%	0.00034 (J)	0.0058	0.0058		
Mercury [mg/L]	MW-D1	14	13	93%	0.000077 (JB)	<0.0002		0.002	0.002
	MW-D2	14	12	86%	0.00011 (JB)	<0.0002			
	MW-D3	14	13	93%	0.00011 (JB)	<0.0002			
	MW-U1	15	14	93%	0.000099 (JB)	<0.0002	0.0002		
Molybdenum [mg/L]	MW-D1	19	19	100%	<0.002	<0.02		0.10	0.10
	MW-D2	19	16	84%	0.0012 (J)	<0.02			
	MW-D3	19	4	21%	0.0017 (J)	<0.01			
	MW-U1	20	19	95%	0.0011 (J)	<0.02	0.02		
Radium 226 and 228 228 Combined [pCi/L]	MW-D1	21	6	29%	0.0994	1.420		5	5
	MW-D2	21	6	29%	0.0139	1.280			
	MW-D3	21	6	29%	0.0501	1.280			
	MW-U1	21	7	33%	0.000	1.720	1.72		
Selenium [mg/L]	MW-D1	17	14	82%	<0.00025	0.001		0.05	0.05
	MW-D2	17	13	76%	<0.00025	0.003			
	MW-D3	17	11	65%	0.00021 (J)	0.0028			
	MW-U1	18	11	61%	0.00039	<0.0013	0.0013		
Thallium [mg/L]	MW-D1	18	18	100%	<0.0001	<0.0005		0.002	0.002
	MW-D2	18	8	44%	0.000085 (J)	<0.0005			
	MW-D3	18	4	22%	0.000095 (J)	<0.0005			
	MW-U1	19	19	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 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 2023 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		0.0122	No
	MW-D2		0.1301	No
	MW-D3		0.1023	No
Beryllium [mg/L]	MW-U1	0.004	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		ND	No
Cadmium [mg/L]	MW-U1	0.005	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		ND	No
Chromium [mg/L]	MW-U1	0.1	Background Well	
	MW-D1		0.00180	No
	MW-D2		0.00120	No
	MW-D3		0.00050	No
Cobalt [mg/L]	MW-U1	0.006	Background Well	
	MW-D1		0.0016	No
	MW-D2		0.001	No
	MW-D3		0.00098	No
Fluoride [mg/L]	MW-U1	4	Background Well	
	MW-D1		0.06491	No
	MW-D2		0.050	No
	MW-D3		0.110	No
Lead [mg/L]	MW-U1	0.0015	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		ND	No
Lithium [mg/L]	MW-U1	0.04	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		0.0021	No
Radium 226 and 228 228 Combined [pCi/L]	MW-U1	5	Background Well	
	MW-D1		0.3925	No
	MW-D2		0.3948	No
	MW-D3		0.4381	No
Selenium [mg/L]	MW-U1	0.05	Background Well	
	MW-D1		0.00083	No
	MW-D2		0.001	No
	MW-D3		0.001	No
Thallium [mg/L]	MW-U1	0.002	Background Well	
	MW-D1		ND	No
	MW-D2		ND	No
	MW-D3		ND	No

Notes:

mg/L = milligrams per liter

pCi/L = picocuries per liter

ND = Not Detected

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




FIGURES

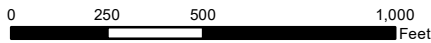


Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community Aerial Photograph from June 2016.



Legend

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



Groundwater Monitoring Well Location Map

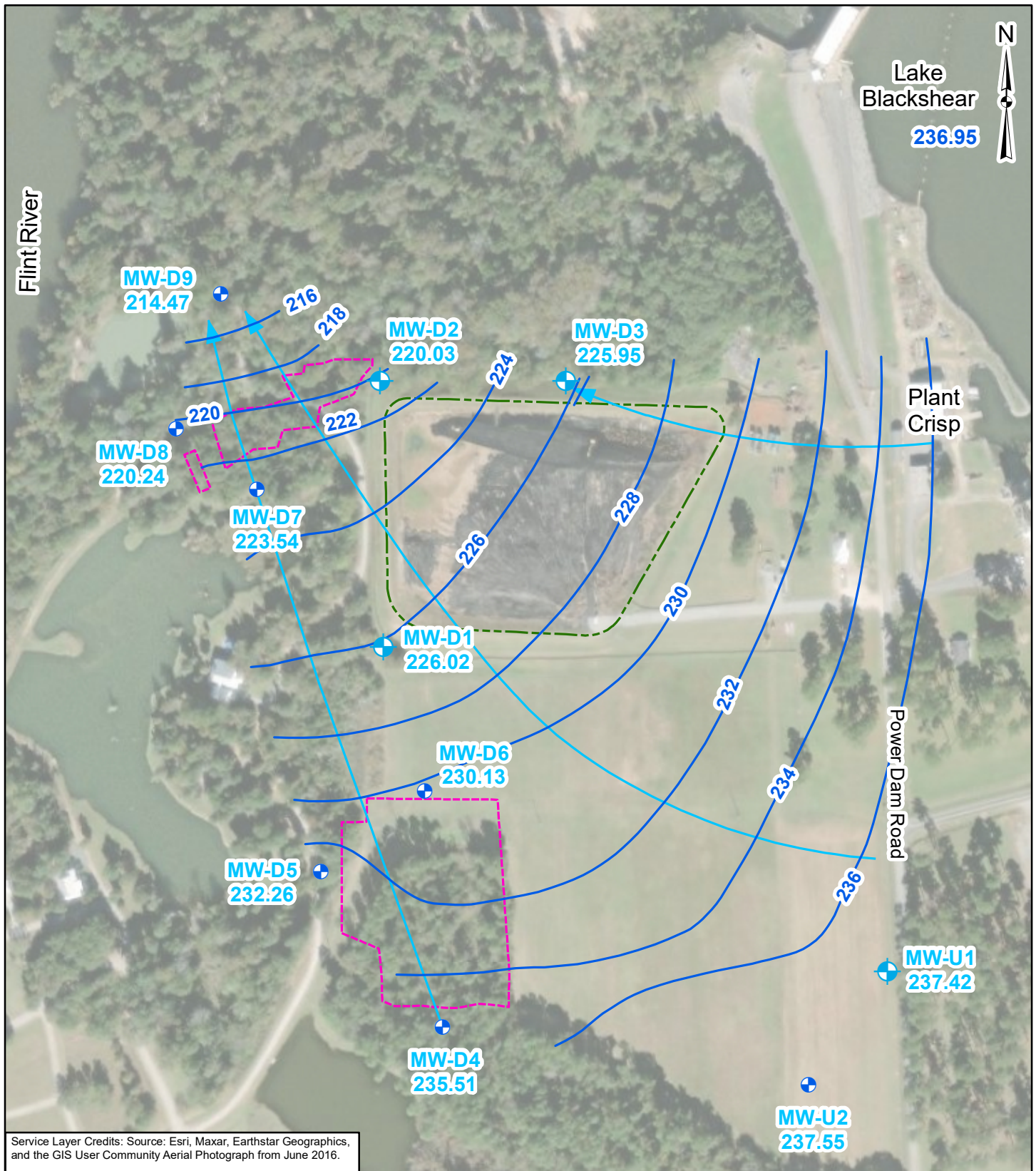
Crisp County Power Commission
Warwick, Georgia

Geosyntec
consultants

KENNESAW, GA

DATE:	JANUARY 2024
PROJECT NO.	GW6152
DOCUMENT NO.	GA 230476
FILE NO.	FIGURE 1 GROUNDWATER MONITORING WELL LOCATION MAP.MXD
FIGURE NO.	1

\\no-01\prj\GIS\Crisp County\GIS\MXD\2023\Annual_Monitoring_Report\April_2023 Potentiometric Surface Map.mxd 1/19/2024 9:56:00 AM DY



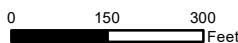
Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community Aerial Photograph from June 2016.



01/29/2024

Legend

- Monitoring Well (Ash Pond)
- Monitoring Well (Secondary Ash Areas)
- Groundwater Elevation Contour - 26 April 2023 (ft, MSL)
- Groundwater Flow Direction
- Secondary Ash Areas Approximate Boundary
- Ash Pond Approximate Boundary



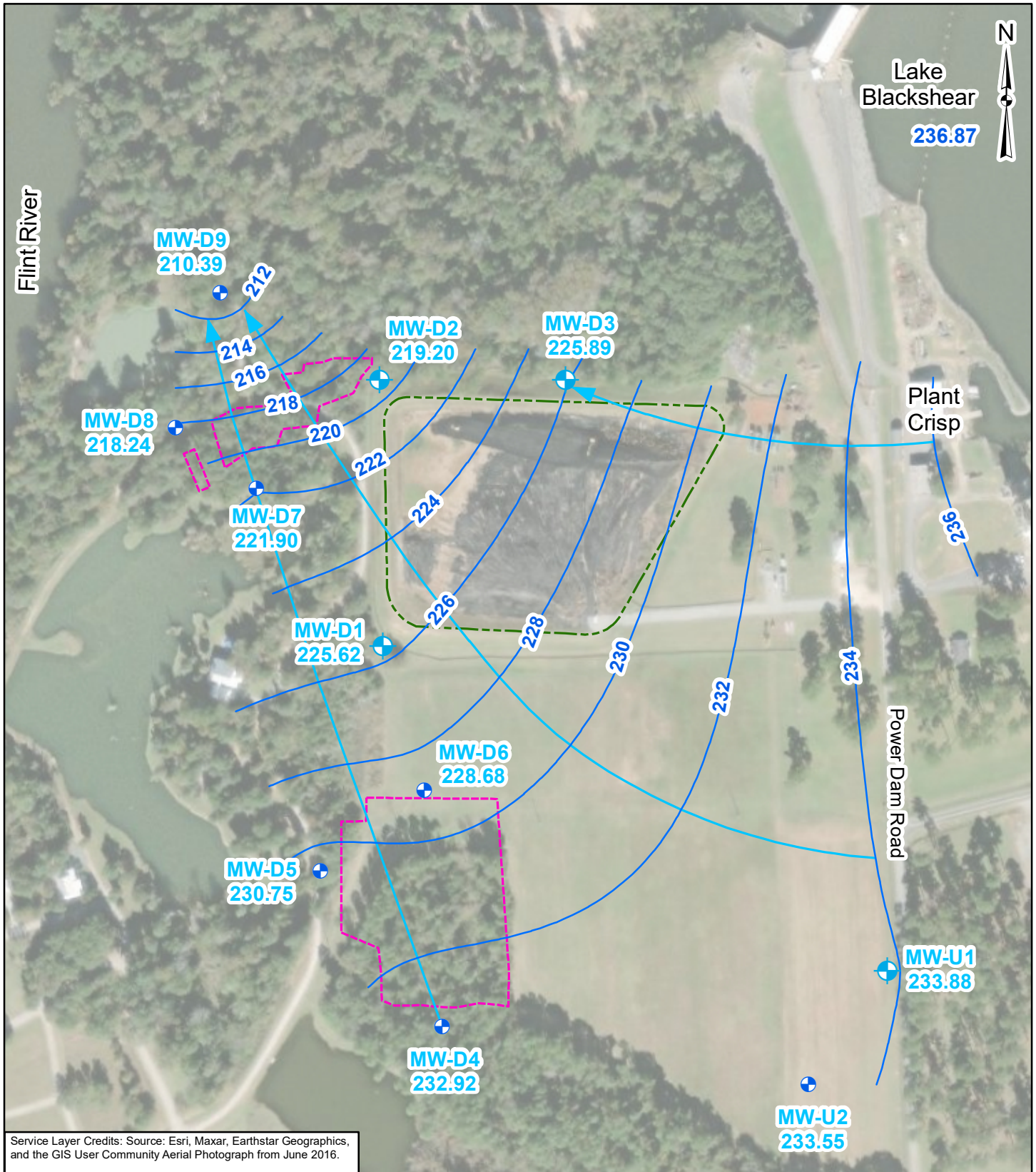
Potentiometric Surface Map (26 April 2023)

Crisp County Power Commission
Warwick, Georgia

Geosyntec
consultants
KENNESAW, GA

DATE:	JANUARY 2024
PROJECT NO.	GW6152
DOCUMENT NO.	GA 230476
FILE NO.	POTENTIOMETRIC SURFACE MAP.MXD
FIGURE NO.	2

\\no-01\prj\GIS\GISMXD\2023\Annual_Monitoring_Report\October_2023\Potentiometric_Surface_Map.mxd 12/11/2023 11:23:52 AM DY



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

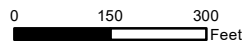


David D. Yifru

01/29/2024

Legend

- Monitoring Well (Ash Pond)
- Monitoring Well (Secondary Ash Areas)
- Groundwater Elevation Contour - 17 October 2023 (ft, MSL)
- Groundwater Flow Direction
- Secondary Ash Areas Approximate Boundary
- Ash Pond Approximate Boundary



**Potentiometric Surface Map
(17 October 2023)**

Crisp County Power Commission
Warwick, Georgia

Geosyntec
consultants

KENNESAW, GA

DATE:	JANUARY 2024
PROJECT NO.	GW6152
DOCUMENT NO.	GA 230476
FILE NO.	OCTOBER 2023 POTENTIOMETRIC SURFACE MAP.MXD
FIGURE NO.	3

APPENDIX A

Field Groundwater Sampling Forms

April 2023

Water Level Measurement Form

Site Name: <u>Crisp County Power</u>	Sampling Person:
Location: <u>Warwick, Georgia</u>	Field Conditions:
Date: <u>04 / 26 / 2023</u>	

Well ID	Time	TOC Elevation	Depth to Water (ft)	Well Depth (ft)	GW Elevation	Field Observations
MW-U1	10:33	249.52	12.1			
MW-U2	10:29	248.79	11.24			
MW-D1	9:50	241.77	15.75			
MW-D2	10:00	232.66	12.63			
MW-D3	10:24	233.78	7.83			
MW-D4	10:16	233.78	11.00			
MW-D5	9:56	241.16	8.90			
MW-D6	9:53	252.63	22.5			
MW-D7	10:05	230.18	6.104			
MW-D8	10:08	226.76	6.52			
MW-D9	10:10	221.42	6.95			
END OF DAY WATER LEVELS						
MW-U1		249.52				
MW-u2		248.79				
MW-D1		241.77				
MW-D2		232.66				
MW-D3		233.78				
MW-D4		233.78				
MW-D5		241.16				
MW-D6		252.63				
MW-D7		230.18				
MW-D8		226.76				
MW-D9		221.42				

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
DATE: 4/26/23	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 23.75 feet to 33.6 feet	STATIC DEPTH TO WATER (feet): 12.05	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) = (37.3 feet - 12.05 feet) X 0.16 gallons/foot = 4.04 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): 28.75	FINAL PUMP OR TUBING DEPTH IN WELL (feet): _____	PURGING INITIATED AT: 11:19	PURGING ENDED AT: 11:52	TOTAL VOLUME PURGED (gallons): 1.04

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) <small>µmhos/cm or µS/cm</small>	DISSOLVED OXYGEN (circle units) <small>(mg/L or % saturation)</small>	TURBIDITY (NTUs)	ORP (mv)	COLOR (describe)
1126	1,120	1,120	100	12.34	7.42	22.06	0.179	4.92	0.92	194	clear
1131	1,120 500	2,240 1,820	160	12.60	7.66	21.83	0.177	4.89	0.72	188	clear
1136	500	2,420	100	12.30	7.69	21.84	0.177	4.89	0.87	189	clear
1141	500	2,920	100	12.31	7.77	21.92	0.178	4.92	0.77	191	clear
1146	500	3,420	100	12.31	7.78	22.24	0.177	4.78	0.71	192	clear
1151	500	3,920	100	12.32	7.82	22.38	0.177	4.77	0.74	193	clear

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: Elizabeth McDonnell	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT: 11:52	SAMPLING ENDED AT: 12:19
PUMP OR TUBING DEPTH IN WELL (feet): 28.75	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 type="checkbox"/> N <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			
	1	HDPE	1.9L	HNO3	----	7.82	9315, 9320, Ra226, Ra228 SM4500, 2540C 6020, 7470A	APP	250
	1	HDPE	1.0L	NONE	----	7.82		APP	250
	1	HDPE	0.25L	HNO3	----	7.82		APP	250

FIELD SAMPLING CONDITIONS:

- Well Sign Present: Yes No
- Well Access: open
- 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.

GROUNDWATER SAMPLING LOG

SITE NAME: CRISP COUNTY POWER COMMISSION	SITE LOCATION: 961 Power Dam Road, Warwick, GA 31796
WELL NO: MW-D1	SAMPLE ID: MW-D1
DATE: 4/26/23	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 9.5 feet to 9.5 feet	STATIC DEPTH TO WATER (feet): 15.75	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) = (22.8 feet - 15.75 feet) X 0.16 gallons/foot = 1.128 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): 14.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): _____	PURGING INITIATED AT: 12:51	PURGING ENDED AT: 13:33	TOTAL VOLUME PURGED (gallons): 2.16

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)
1300	1890	1890	210	16.15	7.20	21.96	0.328	7.89	2.52	190	clear
1305	1050	2940	210	16.15	6.95	22.28	0.336	6.43	1.62	199	clear
1316	1050	3990	210	16.15	6.85	22.74	0.333	5.99	1.84	203	clear
1315	1050	5040	210	16.14	6.85	22.98	0.315	6.12	1.67	203	clear
1320	1050	6090	210	16.15	6.99	23.33	0.319	6.04	1.59	196	clear
1325	1050	7140	210	16.15	7.08	23.47	0.315	6.16	1.39	191	clear
1330	1050	8190	210	16.15	7.09	23.69	0.316	6.11	1.72	189	clear

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: Elisabeth McDonnell	SAMPLER(S) SIGNATURE(S): <i>Centur</i>	SAMPLING INITIATED AT: 13:33	SAMPLING ENDED AT: 12:20
PUMP OR TUBING DEPTH IN WELL (feet): 14.5	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 <input type="checkbox"/> (replaced)	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	----	7.09	9315, 9320, Ra226, Ra228 SM4500, 2540C 6020, 7470A	APP	250
	1	HDPE	1.0L	NONE	----	7.09		APP	250
	1	HDPE	0.25L	HNO3	----	7.09		APP	250

FIELD SAMPLING CONDITIONS:

- Well Sign Present: Yes No
- Well Access: open
- 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; 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.

GROUNDWATER SAMPLING LOG

pg 1 of 2

SITE NAME: CRISP COUNTY POWER COMMISSION	SITE LOCATION: 961 Power Dam Road, Warwick, GA 31796
WELL NO: MW-D2	SAMPLE ID: MW-D2
DATE: 4/26/23	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 9.75 feet to 9.75 feet	STATIC DEPTH TO WATER (feet): 12.67	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 - 12.67 feet) X 0.16 gallons/foot = 1.58 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 15.03 feet) + _____ gallons = _____ gallons				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 14.75	FINAL PUMP OR TUBING DEPTH IN WELL (feet): _____	PURGING INITIATED AT: 8:08	PURGING ENDED AT: 16:51
TOTAL VOLUME PURGED (gallons): 4.33			

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	ml/min PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) <small>µmhos/cm or µS/cm</small>	DISSOLVED OXYGEN (circle units) <small>mg/L or % saturation</small>	TURBIDITY (NTUs)	ORP (mv)	COLOR (describe)
1530	5,400	5,400	200	13.70	6.54	20.33	.514	4.69	.99	178	clear
1535	1000	6,400	200	13.87	6.53	20.29	.531	3.77	.64	174	clear
1540	1000	7,400	200	14.00	6.50	20.31	.540	3.12	.49	171	clear
1545	750	8,150	150	14.05	6.56	20.47	.564	2.80	.52	161	clear
1550	750	8,900	150	14.10	6.54	20.45	.568	2.57	.37	156	clear
1555	750	9,650	150	14.15	6.54	20.38	.571	2.03	.42	138	clear
1600	750	10,400	150	14.20	6.54	20.35	.576	1.76	.41	122	clear
1605	600	11,000	120	14.20	6.61	20.05	.597	1.48	.34	85	clear
1610	600	11,600	120	14.20	6.64	20.67	.601	1.31	.39	71	clear
1615	600	12,200	120	14.20	6.65	20.61	.603	1.03	.62	57	clear

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: Elisabeth McDonnell	SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>	SAMPLING INITIATED AT: 16:51	SAMPLING ENDED AT: 17:17
PUMP OR TUBING DEPTH IN WELL (feet): 14.75	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 <input type="checkbox"/> (replaced)	DUPLICATE: Y <input type="checkbox"/> N <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			
	1	HDPE	1.9L	HNO3	----		9315, 9320, Ra226, Ra228	APP	250
	1	HDPE	1.0L	NONE	----		SM4500, 2540C	APP	250
	1	HDPE	0.25L	HNO3	----		6020, 7470A	APP	250

FIELD SAMPLING CONDITIONS:

- Well Sign Present: Yes No
- Well Access: walking only - 30 yards off road
- 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; 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

pg 2 of 2

SITE NAME: CRISP COUNTY POWER COMMISSION	SITE LOCATION: 961 Power Dam Road, Warwick, GA 31796
WELL NO: MW-D2	SAMPLE ID: MW-D2
DATE: 4/26/23	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 12.67
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 - 12.67 feet) X 0.16 gallons/foot = 1.58 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): 15.00		FINAL PUMP OR TUBING DEPTH IN WELL (feet):		PURGING INITIATED AT:		PURGING ENDED AT:		TOTAL VOLUME PURGED (gallons): 4.33			
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	min/min PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) <small>µmhos/cm or µS/cm</small>	DISSOLVED OXYGEN (circle units) <small>(mg/L) or % saturation</small>	TURBIDITY (NTUs)	ORP (mv)	COLOR (describe)
1620	600	12,800	120	14.21	6.67	20.58	605	0.93	0.39	39	clear
1625	600	13,400	120	14.20	6.68	20.59	605	0.67	0.33	29	clear
1630	600	14,000	120	14.20	6.68	20.56	605	0.47	0.45	20	clear
1635	600	14,600	120	14.22	6.72	20.55	605	0.24	0.39	11	clear
1640	600	15,200	120	14.20	6.71	20.41	605	0.07	0.41	8	clear
1645	600	15,800	120	14.20	6.70	20.39	605	0.00	0.41	5	clear
1650	600	16,400	120	14.20	6.78	20.98	594	0.00	0.37	2	

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: Elisabeth McDonnell			SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>			SAMPLING INITIATED AT: 16:51		SAMPLING ENDED AT: 17:17	
PUMP OR TUBING DEPTH IN WELL (feet): 15.00			TUBING MATERIAL CODE: LDPE		FIELD-FILTERED: Y <input checked="" type="radio"/> N		FILTER SIZE: _____ µm		
FIELD DECONTAMINATION: PUMP Y <input checked="" type="radio"/> TUBING Y <input checked="" type="radio"/> N (replaced)			DUPLICATE: Y <input checked="" type="radio"/> 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			
	1	HDPE	1.9L	HNO3	----	6.78	9315, 9320, Ra226, Ra228 SM4500, 2540C 6020, 7470A	APP	250
	1	HDPE	1.0L	NONE	----	6.78		APP	250
	1	HDPE	0.25L	HNO3	----	6.78		APP	250

FIELD SAMPLING CONDITIONS:

- Well Sign Present: Yes No
- Well Access: walking only - 30 yards off road
- 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; 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-D3	SAMPLE ID: MW-D3
DATE: 4/27/23	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 9.5 feet to 19.5 feet	STATIC DEPTH TO WATER (feet): 7.84	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) = (22.75 feet - 7.84 feet) X 0.16 gallons/foot = 2.39 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): 14.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 14.5	PURGING INITIATED AT: 0817	PURGING ENDED AT: 0848	TOTAL VOLUME PURGED (gallons): 1.23
--	--	-----------------------------------	-------------------------------	--

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	ML/min PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) (mg/L or % saturation)	TURBIDITY (NTUs)	ORP (mv)	COLOR (describe)
0820	1350	1350	150	8.96	6.41	19.23	0.338	0.98	0.166	360	clear
0831	750	2100	150	9.13	6.46	19.20	0.336	0.82	0.95	358	"
0850	750	2850	150	9.20	6.51	19.14	0.334	0.78	0.55	357	"
0841	750	3600	150	9.24	6.56	19.14	0.332	0.71	0.50	354	"
0846	750	4350	150	9.27	6.56	19.15	0.331	0.68	0.34	351	"
0848	300	4650	150	- grab sample							

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: Instant O			SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>			SAMPLING INITIATED AT: 0848		SAMPLING ENDED AT: 0935	
PUMP OR TUBING DEPTH IN WELL (feet): 14.5			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 type="checkbox"/> N <input checked="" type="checkbox"/> (replaced)		DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/> DUP-20				
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	----	6.56	9315, 9320, Ra226, Ra228	APP	250 150
	1	HDPE	1.0L	NONE	----	6.56	SM4500, 2540C	APP	250 150
	1	HDPE	0.25L	HNO3	----	6.56	6020, 7470A	APP	250 150

FIELD SAMPLING CONDITIONS:

1. Well Sign Present: Yes No
2. Well Access: open
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; 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: $\pm 5\%$ Dissolved Oxygen: 0.2 mg/L or 10% change in saturation (whichever is greater) Turbidity: readings ≤ 10 NTU; ORP: ± 20 mV.

October 2023

APPENDIX B

Laboratory Analytical Reports

April 2023

 **ANALYTICAL REPORT****PREPARED FOR**

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

Generated 6/7/2023 2:48:24 PM

JOB DESCRIPTION

Crisp County Power

JOB NUMBER

400-236902-3

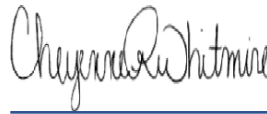
Eurofins Pensacola

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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(850)471-6222



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Case Narrative

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

Job ID: 400-236902-3

Job ID: 400-236902-3

Laboratory: Eurofins Pensacola

Narrative

Job Narrative 400-236902-3

Receipt

The samples were received on 4/29/2023 7:44 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 1.4° C, 2.3° C, 3.6° C and 3.7° C.

Metals

Method 6020: The post digestion spike % recovery for Antimony associated with batch 400-625600 was outside of control limits. The associated sample is: (400-236902-C-1-D PDS ^5).

Method 6020: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-623914 and analytical batch 400-625600 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 6020: The method blank for preparation batch 400-623914 and analytical batch 400-625600 contained Boron above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6020: The ICV for batch 400-625706 passed recovery/accuracy criteria which serves the ICV purpose of verifying the calibration standards. The replicate RPDs for the elements were outside of the criteria for standards but within the criteria for field samples. Data has therefore been reported and narrated accordingly.

General Chemistry

Method SM 4500 Cl- E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-624976 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method SM 4500 Cl- E: The following samples were diluted to bring the concentration of target analytes within the calibration range: (400-236929-A-2), (400-236929-A-2 MS) and (400-236929-A-2 MSD). Elevated reporting limits (RLs) are provided.

Method SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-623940 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method SM 4500 SO4 E: The following samples were diluted to bring the concentration of target analytes within the calibration range: (400-235966-B-1), (400-235966-B-1 MS) and (400-235966-B-1 MSD). Elevated reporting limits (RLs) are provided.

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

Detection Summary

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

Job ID: 400-236902-3

Client Sample ID: MW-U1-20230426

Lab Sample ID: 400-236902-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0031		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	0.020	J B	0.050	0.0012	mg/L	5		6020	Total Recoverable
Calcium	37		0.25	0.13	mg/L	5		6020	Total Recoverable
Chromium	0.0021	J	0.0025	0.0010	mg/L	5		6020	Total Recoverable
Lithium	0.0058		0.0025	0.0049	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	110		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	1.7	J	2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	2.0	J	5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	7.82				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-D1-20230426

Lab Sample ID: 400-236902-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.016		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	0.10	B	0.050	0.0012	mg/L	5		6020	Total Recoverable
Calcium	68		0.25	0.13	mg/L	5		6020	Total Recoverable
Chromium	0.0018	J	0.0025	0.0010	mg/L	5		6020	Total Recoverable
Cobalt	0.0016	J	0.0025	0.00056	mg/L	5		6020	Total Recoverable
Selenium	0.00083	J	0.0013	0.00082	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	200		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	4.1		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.083	J	0.10	0.070	mg/L	1		SM 4500 F C	Total/NA
Sulfate	26		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	7.09				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-D2-20230426

Lab Sample ID: 400-236902-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.19		0.0025	0.00070	mg/L	5		6020	Total Recoverable
Boron	0.12	B	0.050	0.0012	mg/L	5		6020	Total Recoverable
Calcium	130		0.25	0.13	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	370		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	3.0		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	14		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	6.78				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-D3-20230427

Lab Sample ID: 400-236902-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.060		0.0025	0.00070	mg/L	5		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

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

Job ID: 400-236902-3

Client Sample ID: MW-D3-20230427 (Continued)

Lab Sample ID: 400-236902-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.17	B	0.050	0.0012	mg/L	5		6020	Total Recoverable
Calcium	87		0.25	0.13	mg/L	5		6020	Total Recoverable
Molybdenum	0.0052	J	0.010	0.0013	mg/L	5		6020	Total Recoverable
Selenium	0.0015		0.0013	0.00082	mg/L	5		6020	Total Recoverable
Total Dissolved Solids	270		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	2.6		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.12		0.10	0.070	mg/L	1		SM 4500 F C	Total/NA
Sulfate	28		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA
Field pH	6.56				SU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola



Method Summary

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

Job ID: 400-236902-3

Method	Method Description	Protocol	Laboratory
6020	Metals (ICP/MS)	SW846	EET PEN
7470A	Mercury (CVAA)	SW846	EET PEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PEN
SM 4500 Cl- E	Chloride, Total	SM	EET PEN
SM 4500 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 PEN
7470A	Preparation, Mercury	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

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

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

Laboratory References:

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

Sample Summary

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

Job ID: 400-236902-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-236902-9	MW-U1-20230426	Water	04/26/23 11:52	04/29/23 07:44
400-236902-10	MW-D1-20230426	Water	04/26/23 13:33	04/29/23 07:44
400-236902-11	MW-D2-20230426	Water	04/26/23 16:51	04/29/23 07:44
400-236902-12	MW-D3-20230427	Water	04/27/23 08:48	04/29/23 07:44

- 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

Job ID: 400-236902-3

Client Sample ID: MW-U1-20230426

Lab Sample ID: 400-236902-9

Date Collected: 04/26/23 11:52

Matrix: Water

Date Received: 04/29/23 07:44

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0025	0.0015	mg/L		05/08/23 13:20	05/18/23 14:48	5
Arsenic	ND		0.0013	0.0012	mg/L		05/08/23 13:20	05/18/23 14:48	5
Barium	0.0031		0.0025	0.00070	mg/L		05/08/23 13:20	05/18/23 14:48	5
Beryllium	ND		0.0020	0.00092	mg/L		05/08/23 13:20	05/18/23 14:48	5
Boron	0.020	J B	0.050	0.0012	mg/L		05/08/23 13:20	05/18/23 14:48	5
Cadmium	ND		0.0010	0.00065	mg/L		05/08/23 13:20	05/18/23 14:48	5
Calcium	37		0.25	0.13	mg/L		05/08/23 13:20	05/18/23 14:48	5
Chromium	0.0021	J	0.0025	0.0010	mg/L		05/08/23 13:20	05/18/23 14:48	5
Cobalt	ND		0.0025	0.00056	mg/L		05/08/23 13:20	05/18/23 14:48	5
Lead	ND		0.0013	0.00081	mg/L		05/08/23 13:20	05/18/23 14:48	5
Lithium	0.0058		0.0025	0.0049	mg/L		05/08/23 13:20	05/18/23 14:48	5
Molybdenum	ND		0.010	0.0013	mg/L		05/08/23 13:20	05/18/23 14:48	5
Selenium	ND		0.0013	0.00082	mg/L		05/08/23 13:20	05/18/23 14:48	5
Thallium	ND		0.00050	0.00046	mg/L		05/08/23 13:20	05/18/23 14:48	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00015	mg/L		05/02/23 08:50	05/03/23 09:14	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			05/03/23 09:13	1
Chloride (SM 4500 Cl- E)	1.7	J	2.0	1.4	mg/L			05/13/23 10:58	1
Fluoride (SM 4500 F C)	ND		0.10	0.070	mg/L			05/02/23 13:49	1
Sulfate (SM 4500 SO4 E)	2.0	J	5.0	1.4	mg/L			05/08/23 12:25	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.82				SU			04/26/23 10:52	1

Client Sample Results

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

Job ID: 400-236902-3

Client Sample ID: MW-D1-20230426

Lab Sample ID: 400-236902-10

Date Collected: 04/26/23 13:33

Matrix: Water

Date Received: 04/29/23 07:44

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0025	0.0015	mg/L		05/08/23 13:20	05/18/23 14:51	5
Arsenic	ND		0.0013	0.0012	mg/L		05/08/23 13:20	05/18/23 14:51	5
Barium	0.016		0.0025	0.00070	mg/L		05/08/23 13:20	05/18/23 14:51	5
Beryllium	ND		0.0020	0.00092	mg/L		05/08/23 13:20	05/18/23 14:51	5
Boron	0.10	B	0.050	0.0012	mg/L		05/08/23 13:20	05/18/23 14:51	5
Cadmium	ND		0.0010	0.00065	mg/L		05/08/23 13:20	05/18/23 14:51	5
Calcium	68		0.25	0.13	mg/L		05/08/23 13:20	05/18/23 14:51	5
Chromium	0.0018	J	0.0025	0.0010	mg/L		05/08/23 13:20	05/18/23 14:51	5
Cobalt	0.0016	J	0.0025	0.00056	mg/L		05/08/23 13:20	05/18/23 14:51	5
Lead	ND		0.0013	0.00081	mg/L		05/08/23 13:20	05/18/23 14:51	5
Lithium	ND		0.0025	0.0049	mg/L		05/08/23 13:20	05/18/23 14:51	5
Molybdenum	ND		0.010	0.0013	mg/L		05/08/23 13:20	05/18/23 14:51	5
Selenium	0.00083	J	0.0013	0.00082	mg/L		05/08/23 13:20	05/18/23 14:51	5
Thallium	ND		0.00050	0.00046	mg/L		05/08/23 13:20	05/18/23 14:51	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00015	mg/L		05/02/23 08:50	05/03/23 09:15	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			05/03/23 09:13	1
Chloride (SM 4500 Cl- E)	4.1		2.0	1.4	mg/L			05/13/23 10:59	1
Fluoride (SM 4500 F C)	0.083	J	0.10	0.070	mg/L			05/02/23 13:49	1
Sulfate (SM 4500 SO4 E)	26		5.0	1.4	mg/L			05/08/23 12:25	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.09				SU			04/26/23 12:33	1

Client Sample Results

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

Job ID: 400-236902-3

Client Sample ID: MW-D2-20230426

Lab Sample ID: 400-236902-11

Date Collected: 04/26/23 16:51

Matrix: Water

Date Received: 04/29/23 07:44

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0025	0.0015	mg/L		05/08/23 13:20	05/18/23 14:54	5
Arsenic	ND		0.0013	0.0012	mg/L		05/08/23 13:20	05/18/23 14:54	5
Barium	0.19		0.0025	0.00070	mg/L		05/08/23 13:20	05/19/23 13:52	5
Beryllium	ND		0.0020	0.00092	mg/L		05/08/23 13:20	05/18/23 14:54	5
Boron	0.12 B		0.050	0.0012	mg/L		05/08/23 13:20	05/18/23 14:54	5
Cadmium	ND		0.0010	0.00065	mg/L		05/08/23 13:20	05/18/23 14:54	5
Calcium	130		0.25	0.13	mg/L		05/08/23 13:20	05/18/23 14:54	5
Chromium	ND		0.0025	0.0010	mg/L		05/08/23 13:20	05/18/23 14:54	5
Cobalt	ND		0.0025	0.00056	mg/L		05/08/23 13:20	05/18/23 14:54	5
Lead	ND		0.0013	0.00081	mg/L		05/08/23 13:20	05/18/23 14:54	5
Lithium	ND		0.0025	0.0049	mg/L		05/08/23 13:20	05/19/23 13:52	5
Molybdenum	ND		0.010	0.0013	mg/L		05/08/23 13:20	05/18/23 14:54	5
Selenium	ND		0.0013	0.00082	mg/L		05/08/23 13:20	05/18/23 14:54	5
Thallium	ND		0.00050	0.00046	mg/L		05/08/23 13:20	05/18/23 14:54	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00015	mg/L		05/02/23 08:50	05/03/23 09:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	370		5.0	5.0	mg/L			05/03/23 09:13	1
Chloride (SM 4500 Cl- E)	3.0		2.0	1.4	mg/L			05/13/23 10:59	1
Fluoride (SM 4500 F C)	ND		0.10	0.070	mg/L			05/02/23 13:49	1
Sulfate (SM 4500 SO4 E)	14		5.0	1.4	mg/L			05/08/23 12:27	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.78				SU			04/26/23 15:51	1

Client Sample Results

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

Job ID: 400-236902-3

Client Sample ID: MW-D3-20230427

Lab Sample ID: 400-236902-12

Date Collected: 04/27/23 08:48

Matrix: Water

Date Received: 04/29/23 07:44

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0025	0.0015	mg/L		05/08/23 13:20	05/18/23 14:57	5
Arsenic	ND		0.0013	0.0012	mg/L		05/08/23 13:20	05/18/23 14:57	5
Barium	0.060		0.0025	0.00070	mg/L		05/08/23 13:20	05/18/23 14:57	5
Beryllium	ND		0.0020	0.00092	mg/L		05/08/23 13:20	05/18/23 14:57	5
Boron	0.17	B	0.050	0.0012	mg/L		05/08/23 13:20	05/18/23 14:57	5
Cadmium	ND		0.0010	0.00065	mg/L		05/08/23 13:20	05/18/23 14:57	5
Calcium	87		0.25	0.13	mg/L		05/08/23 13:20	05/18/23 14:57	5
Chromium	ND		0.0025	0.0010	mg/L		05/08/23 13:20	05/18/23 14:57	5
Cobalt	ND		0.0025	0.00056	mg/L		05/08/23 13:20	05/18/23 14:57	5
Lead	ND		0.0013	0.00081	mg/L		05/08/23 13:20	05/18/23 14:57	5
Lithium	ND		0.0025	0.0049	mg/L		05/08/23 13:20	05/19/23 13:55	5
Molybdenum	0.0052	J	0.010	0.0013	mg/L		05/08/23 13:20	05/18/23 14:57	5
Selenium	0.0015		0.0013	0.00082	mg/L		05/08/23 13:20	05/18/23 14:57	5
Thallium	ND		0.00050	0.00046	mg/L		05/08/23 13:20	05/18/23 14:57	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00015	mg/L		05/02/23 08:50	05/03/23 09:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	270		5.0	5.0	mg/L			05/03/23 09:13	1
Chloride (SM 4500 Cl- E)	2.6		2.0	1.4	mg/L			05/15/23 13:22	1
Fluoride (SM 4500 F C)	0.12		0.10	0.070	mg/L			05/02/23 13:49	1
Sulfate (SM 4500 SO4 E)	28		5.0	1.4	mg/L			05/17/23 18:44	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.56				SU			04/27/23 07:48	1

Definitions/Glossary

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

Job ID: 400-236902-3

Qualifiers

Metals

Qualifier	Qualifier Description
^5+	Linear Range Check (LRC) is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

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

Glossary

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

Lab Chronicle

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

Job ID: 400-236902-3

Client Sample ID: MW-U1-20230426

Lab Sample ID: 400-236902-9

Date Collected: 04/26/23 11:52

Matrix: Water

Date Received: 04/29/23 07:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			623914	KWN	EET PEN	05/08/23 13:20 - 05/08/23 15:45 ¹
Total Recoverable	Analysis	6020		5	625600	NTH	EET PEN	05/18/23 14:48
Total/NA	Prep	7470A			623053	NET	EET PEN	05/02/23 08:50 - 05/02/23 11:28 ¹
Total/NA	Analysis	7470A		1	623349	NET	EET PEN	05/03/23 09:14
Total/NA	Analysis	SM 2540C		1	623280	HA	EET PEN	05/03/23 09:13
Total/NA	Analysis	SM 4500 CI- E		1	624780	CJK	EET PEN	05/13/23 10:58
Total/NA	Analysis	SM 4500 F C		1	623192	JP	EET PEN	05/02/23 13:49
Total/NA	Analysis	SM 4500 SO4 E		1	623940	CJK	EET PEN	05/08/23 12:25
Total/NA	Analysis	Field Sampling		1	623093	S1K	EET PEN	04/26/23 10:52

Client Sample ID: MW-D1-20230426

Lab Sample ID: 400-236902-10

Date Collected: 04/26/23 13:33

Matrix: Water

Date Received: 04/29/23 07:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			623914	KWN	EET PEN	05/08/23 13:20 - 05/08/23 15:45 ¹
Total Recoverable	Analysis	6020		5	625600	NTH	EET PEN	05/18/23 14:51
Total/NA	Prep	7470A			623053	NET	EET PEN	05/02/23 08:50 - 05/02/23 11:28 ¹
Total/NA	Analysis	7470A		1	623349	NET	EET PEN	05/03/23 09:15
Total/NA	Analysis	SM 2540C		1	623280	HA	EET PEN	05/03/23 09:13
Total/NA	Analysis	SM 4500 CI- E		1	624780	CJK	EET PEN	05/13/23 10:59
Total/NA	Analysis	SM 4500 F C		1	623192	JP	EET PEN	05/02/23 13:49
Total/NA	Analysis	SM 4500 SO4 E		1	623940	CJK	EET PEN	05/08/23 12:25
Total/NA	Analysis	Field Sampling		1	623093	S1K	EET PEN	04/26/23 12:33

Client Sample ID: MW-D2-20230426

Lab Sample ID: 400-236902-11

Date Collected: 04/26/23 16:51

Matrix: Water

Date Received: 04/29/23 07:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			623914	KWN	EET PEN	05/08/23 13:20 - 05/08/23 15:45 ¹
Total Recoverable	Analysis	6020		5	625600	NTH	EET PEN	05/18/23 14:54
Total Recoverable	Prep	3005A			623914	KWN	EET PEN	05/08/23 13:20 - 05/08/23 15:45 ¹
Total Recoverable	Analysis	6020		5	625706	NTH	EET PEN	05/19/23 13:52
Total/NA	Prep	7470A			623053	NET	EET PEN	05/02/23 08:50 - 05/02/23 11:28 ¹
Total/NA	Analysis	7470A		1	623349	NET	EET PEN	05/03/23 09:17
Total/NA	Analysis	SM 2540C		1	623280	HA	EET PEN	05/03/23 09:13
Total/NA	Analysis	SM 4500 CI- E		1	624780	CJK	EET PEN	05/13/23 10:59
Total/NA	Analysis	SM 4500 F C		1	623192	JP	EET PEN	05/02/23 13:49
Total/NA	Analysis	SM 4500 SO4 E		1	623940	CJK	EET PEN	05/08/23 12:27
Total/NA	Analysis	Field Sampling		1	623093	S1K	EET PEN	04/26/23 15:51

Lab Chronicle

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

Job ID: 400-236902-3

Client Sample ID: MW-D3-20230427

Lab Sample ID: 400-236902-12

Date Collected: 04/27/23 08:48

Matrix: Water

Date Received: 04/29/23 07:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			623914	KWN	EET PEN	05/08/23 13:20 - 05/08/23 15:45 ¹
Total Recoverable	Analysis	6020		5	625600	NTH	EET PEN	05/18/23 14:57
Total Recoverable	Prep	3005A			623914	KWN	EET PEN	05/08/23 13:20 - 05/08/23 15:45 ¹
Total Recoverable	Analysis	6020		5	625706	NTH	EET PEN	05/19/23 13:55
Total/NA	Prep	7470A			623053	NET	EET PEN	05/02/23 08:50 - 05/02/23 11:28 ¹
Total/NA	Analysis	7470A		1	623349	NET	EET PEN	05/03/23 09:24
Total/NA	Analysis	SM 2540C		1	623280	HA	EET PEN	05/03/23 09:13
Total/NA	Analysis	SM 4500 Cl- E		1	624976	CJK	EET PEN	05/15/23 13:22
Total/NA	Analysis	SM 4500 F C		1	623192	JP	EET PEN	05/02/23 13:49
Total/NA	Analysis	SM 4500 SO4 E		1	625380	CJK	EET PEN	05/17/23 18:44
Total/NA	Analysis	Field Sampling		1	623093	S1K	EET PEN	04/27/23 07:48

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

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



QC Association Summary

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

Job ID: 400-236902-3

Metals

Prep Batch: 623053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-236902-9	MW-U1-20230426	Total/NA	Water	7470A	
400-236902-10	MW-D1-20230426	Total/NA	Water	7470A	
400-236902-11	MW-D2-20230426	Total/NA	Water	7470A	
400-236902-12	MW-D3-20230427	Total/NA	Water	7470A	
MB 400-623053/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-623053/15-A	Lab Control Sample	Total/NA	Water	7470A	
400-236902-C-1-B MS	Matrix Spike	Total/NA	Water	7470A	
400-236902-C-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 623349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-236902-9	MW-U1-20230426	Total/NA	Water	7470A	623053
400-236902-10	MW-D1-20230426	Total/NA	Water	7470A	623053
400-236902-11	MW-D2-20230426	Total/NA	Water	7470A	623053
400-236902-12	MW-D3-20230427	Total/NA	Water	7470A	623053
MB 400-623053/14-A	Method Blank	Total/NA	Water	7470A	623053
LCS 400-623053/15-A	Lab Control Sample	Total/NA	Water	7470A	623053
400-236902-C-1-B MS	Matrix Spike	Total/NA	Water	7470A	623053
400-236902-C-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	623053

Prep Batch: 623914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-236902-9	MW-U1-20230426	Total Recoverable	Water	3005A	
400-236902-10	MW-D1-20230426	Total Recoverable	Water	3005A	
400-236902-11	MW-D2-20230426	Total Recoverable	Water	3005A	
400-236902-12	MW-D3-20230427	Total Recoverable	Water	3005A	
MB 400-623914/1-A ^5	Method Blank	Total Recoverable	Water	3005A	
LCS 400-623914/2-A ^5	Lab Control Sample	Total Recoverable	Water	3005A	
400-236902-C-1-E MS ^5	Matrix Spike	Total Recoverable	Water	3005A	
400-236902-C-1-F MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 625600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-236902-9	MW-U1-20230426	Total Recoverable	Water	6020	623914
400-236902-10	MW-D1-20230426	Total Recoverable	Water	6020	623914
400-236902-11	MW-D2-20230426	Total Recoverable	Water	6020	623914
400-236902-12	MW-D3-20230427	Total Recoverable	Water	6020	623914
MB 400-623914/1-A ^5	Method Blank	Total Recoverable	Water	6020	623914
LCS 400-623914/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020	623914
400-236902-C-1-E MS ^5	Matrix Spike	Total Recoverable	Water	6020	623914
400-236902-C-1-F MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	6020	623914

Analysis Batch: 625706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-236902-11	MW-D2-20230426	Total Recoverable	Water	6020	623914
400-236902-12	MW-D3-20230427	Total Recoverable	Water	6020	623914
MB 400-623914/1-A ^5	Method Blank	Total Recoverable	Water	6020	623914

QC Association Summary

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

Job ID: 400-236902-3

General Chemistry

Analysis Batch: 623192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-236902-9	MW-U1-20230426	Total/NA	Water	SM 4500 F C	
400-236902-10	MW-D1-20230426	Total/NA	Water	SM 4500 F C	
400-236902-11	MW-D2-20230426	Total/NA	Water	SM 4500 F C	
400-236902-12	MW-D3-20230427	Total/NA	Water	SM 4500 F C	
MB 400-623192/40	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-623192/42	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MRL 400-623192/11	Lab Control Sample	Total/NA	Water	SM 4500 F C	
400-236902-B-7 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
400-236902-B-7 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	

Analysis Batch: 623280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-236902-9	MW-U1-20230426	Total/NA	Water	SM 2540C	
400-236902-10	MW-D1-20230426	Total/NA	Water	SM 2540C	
400-236902-11	MW-D2-20230426	Total/NA	Water	SM 2540C	
400-236902-12	MW-D3-20230427	Total/NA	Water	SM 2540C	
MB 400-623280/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-623280/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-236902-B-5 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 623940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-236902-9	MW-U1-20230426	Total/NA	Water	SM 4500 SO4 E	
400-236902-10	MW-D1-20230426	Total/NA	Water	SM 4500 SO4 E	
400-236902-11	MW-D2-20230426	Total/NA	Water	SM 4500 SO4 E	
MB 400-623940/12	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-623940/13	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-623940/14	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 624780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-236902-9	MW-U1-20230426	Total/NA	Water	SM 4500 Cl- E	
400-236902-10	MW-D1-20230426	Total/NA	Water	SM 4500 Cl- E	
400-236902-11	MW-D2-20230426	Total/NA	Water	SM 4500 Cl- E	
MB 400-624780/13	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-624780/14	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-624780/15	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-236902-B-1 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- E	
400-236902-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 624976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-236902-12	MW-D3-20230427	Total/NA	Water	SM 4500 Cl- E	
MB 400-624976/5	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-624976/6	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-624976/7	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-236929-A-2 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- E	
400-236929-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- E	

QC Association Summary

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

Job ID: 400-236902-3

General Chemistry

Analysis Batch: 625380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-236902-12	MW-D3-20230427	Total/NA	Water	SM 4500 SO4 E	

Field Service / Mobile Lab

Analysis Batch: 623093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-236902-9	MW-U1-20230426	Total/NA	Water	Field Sampling	
400-236902-10	MW-D1-20230426	Total/NA	Water	Field Sampling	
400-236902-11	MW-D2-20230426	Total/NA	Water	Field Sampling	
400-236902-12	MW-D3-20230427	Total/NA	Water	Field Sampling	



QC Sample Results

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

Job ID: 400-236902-3

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 400-623914/1-A ^5
Matrix: Water
Analysis Batch: 625600

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 623914

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0025	0.0015	mg/L		05/08/23 13:20	05/18/23 13:36	5
Arsenic	ND		0.0013	0.0012	mg/L		05/08/23 13:20	05/18/23 13:36	5
Barium	ND		0.0025	0.00070	mg/L		05/08/23 13:20	05/18/23 13:36	5
Beryllium	ND		0.0020	0.00092	mg/L		05/08/23 13:20	05/18/23 13:36	5
Boron	0.00928	J	0.050	0.0012	mg/L		05/08/23 13:20	05/18/23 13:36	5
Cadmium	ND		0.0010	0.00065	mg/L		05/08/23 13:20	05/18/23 13:36	5
Calcium	ND		0.25	0.13	mg/L		05/08/23 13:20	05/18/23 13:36	5
Chromium	ND		0.0025	0.0010	mg/L		05/08/23 13:20	05/18/23 13:36	5
Cobalt	ND		0.0025	0.00056	mg/L		05/08/23 13:20	05/18/23 13:36	5
Lead	ND		0.0013	0.00081	mg/L		05/08/23 13:20	05/18/23 13:36	5
Molybdenum	ND		0.010	0.0013	mg/L		05/08/23 13:20	05/18/23 13:36	5
Selenium	ND		0.0013	0.00082	mg/L		05/08/23 13:20	05/18/23 13:36	5
Thallium	ND		0.00050	0.00046	mg/L		05/08/23 13:20	05/18/23 13:36	5

Lab Sample ID: MB 400-623914/1-A ^5
Matrix: Water
Analysis Batch: 625706

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 623914

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	ND		0.0025	0.0049	mg/L		05/08/23 13:20	05/19/23 13:34	5

Lab Sample ID: LCS 400-623914/2-A ^5
Matrix: Water
Analysis Batch: 625600

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 623914

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0537		mg/L		107	80 - 120
Arsenic	0.0500	0.0489		mg/L		98	80 - 120
Barium	0.0500	0.0525		mg/L		105	80 - 120
Beryllium	0.0500	0.0522		mg/L		104	80 - 120
Boron	0.100	0.107		mg/L		107	80 - 120
Cadmium	0.0500	0.0519		mg/L		104	80 - 120
Calcium	5.00	5.13		mg/L		103	80 - 120
Chromium	0.0500	0.0511		mg/L		102	80 - 120
Cobalt	0.0500	0.0509		mg/L		102	80 - 120
Lead	0.0500	0.0527		mg/L		105	80 - 120
Lithium	0.0500	0.0553		mg/L		111	80 - 120
Molybdenum	0.0500	0.0526		mg/L		105	80 - 120
Selenium	0.0500	0.0514		mg/L		103	80 - 120
Thallium	0.0100	0.0106		mg/L		106	80 - 120

Lab Sample ID: 400-236902-C-1-E MS ^5
Matrix: Water
Analysis Batch: 625600

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 623914

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	ND	F1	0.0500	0.0628	F1	mg/L		126	75 - 125
Arsenic	ND		0.0500	0.0553		mg/L		111	75 - 125
Barium	0.026		0.0500	0.0828	^5+	mg/L		115	75 - 125

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QC Sample Results

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

Job ID: 400-236902-3

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

Lab Sample ID: 400-236902-C-1-E MS ^5
Matrix: Water
Analysis Batch: 625600

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 623914

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	ND		0.0500	0.0580		mg/L		116	75 - 125
Boron	0.026	J ^5+ B	0.100	0.151		mg/L		124	75 - 125
Cadmium	ND		0.0500	0.0594		mg/L		119	75 - 125
Calcium	50		5.00	56.0	E 4	mg/L		123	75 - 125
Chromium	ND	^5+	0.0500	0.0576	^5+	mg/L		115	75 - 125
Cobalt	ND		0.0500	0.0566		mg/L		113	75 - 125
Lead	ND		0.0500	0.0557		mg/L		111	75 - 125
Lithium	ND		0.0500	0.0554		mg/L		111	75 - 125
Molybdenum	ND		0.0500	0.0602		mg/L		120	75 - 125
Selenium	ND		0.0500	0.0559		mg/L		112	75 - 125
Thallium	ND		0.0100	0.0113		mg/L		113	75 - 125

Lab Sample ID: 400-236902-C-1-F MSD ^5
Matrix: Water
Analysis Batch: 625600

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 623914

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND	F1	0.0500	0.0589		mg/L		118	75 - 125	6	20
Arsenic	ND		0.0500	0.0549		mg/L		110	75 - 125	1	20
Barium	0.026		0.0500	0.0817	^5+	mg/L		112	75 - 125	1	20
Beryllium	ND		0.0500	0.0547		mg/L		109	75 - 125	6	20
Boron	0.026	J ^5+ B	0.100	0.135		mg/L		109	75 - 125	11	20
Cadmium	ND		0.0500	0.0564		mg/L		113	75 - 125	5	20
Calcium	50		5.00	56.9	E 4	mg/L		139	75 - 125	1	20
Chromium	ND	^5+	0.0500	0.0569	^5+	mg/L		114	75 - 125	1	20
Cobalt	ND		0.0500	0.0565		mg/L		113	75 - 125	0	20
Lead	ND		0.0500	0.0559		mg/L		112	75 - 125	0	20
Lithium	ND		0.0500	0.0498		mg/L		100	75 - 125	11	20
Molybdenum	ND		0.0500	0.0574		mg/L		115	75 - 125	5	20
Selenium	ND		0.0500	0.0506		mg/L		101	75 - 125	10	20
Thallium	ND		0.0100	0.0117		mg/L		117	75 - 125	3	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 400-623053/14-A
Matrix: Water
Analysis Batch: 623349

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 623053

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00015	mg/L		05/02/23 08:50	05/03/23 08:52	1

Lab Sample ID: LCS 400-623053/15-A
Matrix: Water
Analysis Batch: 623349

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 623053

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00101	0.000870		mg/L		86	80 - 120

QC Sample Results

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

Job ID: 400-236902-3

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

Lab Sample ID: 400-236902-C-1-B MS
Matrix: Water
Analysis Batch: 623349

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 623053

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00201	0.00201		mg/L		100	80 - 120

Lab Sample ID: 400-236902-C-1-C MSD
Matrix: Water
Analysis Batch: 623349

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 623053

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Mercury	ND		0.00201	0.00187		mg/L		93	80 - 120	7	20

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

Lab Sample ID: MB 400-623280/1
Matrix: Water
Analysis Batch: 623280

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			05/03/23 09:13	1

Lab Sample ID: LCS 400-623280/2
Matrix: Water
Analysis Batch: 623280

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

Lab Sample ID: 400-236902-B-5 DU
Matrix: Water
Analysis Batch: 623280

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	84		84.0		mg/L		0	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-624780/13
Matrix: Water
Analysis Batch: 624780

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			05/13/23 10:54	1

Lab Sample ID: LCS 400-624780/14
Matrix: Water
Analysis Batch: 624780

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	54.3		mg/L		109	90 - 110

QC Sample Results

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

Job ID: 400-236902-3

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

Lab Sample ID: MRL 400-624780/15
Matrix: Water
Analysis Batch: 624780

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	2.19		mg/L		110	50 - 150

Lab Sample ID: 400-236902-B-1 MS
Matrix: Water
Analysis Batch: 624780

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	1.8	J	10.0	10.6		mg/L		88	73 - 120

Lab Sample ID: 400-236902-B-1 MSD
Matrix: Water
Analysis Batch: 624780

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	1.8	J	10.0	10.7		mg/L		90	73 - 120	1	8

Lab Sample ID: MB 400-624976/5
Matrix: Water
Analysis Batch: 624976

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			05/15/23 13:17	1

Lab Sample ID: LCS 400-624976/6
Matrix: Water
Analysis Batch: 624976

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	50.6		mg/L		101	90 - 110

Lab Sample ID: MRL 400-624976/7
Matrix: Water
Analysis Batch: 624976

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	2.14		mg/L		107	50 - 150

Lab Sample ID: 400-236929-A-2 MS
Matrix: Water
Analysis Batch: 624976

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	25000		40.0	1790	4	mg/L		-5905	73 - 120

QC Sample Results

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

Job ID: 400-236902-3

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

Lab Sample ID: 400-236929-A-2 MSD
Matrix: Water
Analysis Batch: 624976

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	25000		40.0	1790	4	mg/L		-5904 9	73 - 120	0	8

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-623192/40
Matrix: Water
Analysis Batch: 623192

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	0.070	mg/L			05/02/23 13:49	1

Lab Sample ID: LCS 400-623192/42
Matrix: Water
Analysis Batch: 623192

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	5.18		mg/L		104	90 - 110

Lab Sample ID: MRL 400-623192/11
Matrix: Water
Analysis Batch: 623192

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	0.0975	J	mg/L		97	

Lab Sample ID: 400-236902-B-7 MS
Matrix: Water
Analysis Batch: 623192

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	0.083	J	0.100	0.178		mg/L		95	75 - 125

Lab Sample ID: 400-236902-B-7 MSD
Matrix: Water
Analysis Batch: 623192

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	0.083	J	0.100	0.185		mg/L		102	75 - 125	4	4

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-623940/12
Matrix: Water
Analysis Batch: 623940

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			05/08/23 12:21	1

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QC Sample Results

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

Job ID: 400-236902-3

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

Lab Sample ID: LCS 400-623940/13
Matrix: Water
Analysis Batch: 623940

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	15.0	16.1		mg/L		107	90 - 110

Lab Sample ID: MRL 400-623940/14
Matrix: Water
Analysis Batch: 623940

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	5.00	5.42		mg/L		108	50 - 150

euromis reusacola
 3355 McLemore Drive
 Pensacola, FL 314
 Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

Client Information
 Client Contact: Dawit Yifru
 Company: Geosyntec Consultants, Inc.
 Address: 1255 Roberts Blvd, NW Suite 200
 City: Kennesaw
 State, Zip: GA, 30144
 Phone: 678-207-9569
 Email: dyifru@geosyntec.com
 Project Name: Crisp County CCR
 Site: Crisp County Power

Sampler: Ristan Orndorff **Lab P/N:** Whitmore, Cheyenne R
Phone: 404-625-0058 **E-Mail:** Cheyenne.Whitmore@et.eurofinsus.com
PWSID:

Due Date Requested:
TAT Requested (days): Standard
Compliance Project: Yes No
PO #:
Purchase Order not required:
WO #:
Project #: 40007960
SSOW#:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Sealed, On-site, etc.)	Analysis Requested
MW-D4-20230426	04/26/23	16:45	G	Water	9315_Ra228, 9320_Ra228, Ra228Ra228_GFPc SM4500_Cl_E - Chloride 6020 - Sb, As, B, Ba, Be, Ca, Cd, Cr, Co, Li, Pb, Tl, Se, Mo 7470A - Mercury 2540C - Total Dissolved Solids 4500_F_C - Fluoride SM4500_SO4_E - Sulfate Field Sampling - Field pH
MW-D5-20230427	04/27/23	08:51	G	Water	
MW-D6-20230426	04/26/23	15:10	G	Water	
MW-D7-20230427	04/27/23	10:37	G	Water	
				Water	
				Water	
				Water	
				Water	
				Water	
				Water	
				Water	

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

Empty Kit Relinquished by: Ristan Orndorff **Date:** 4/28/23 **Time:** 12:45
Relinquished by: Ristan Orndorff **Date/Time:** 4/29/23
Relinquished by: Ristan Orndorff **Date/Time:** 4/29/23

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Chain of Custody Record

3355 McLennan Drive
 Pensacola, FL 32504
 Phone: 850-474-1001 Fax: 850-478-2671

Client Information
 Client Contact: Justin Omdorff
 Dawit Yifru
 Company: Geosyntec Consultants, Inc.
 Address: 1255 Roberts Blvd, NW Suite 200
 City: Kennesaw
 State, Zip: GA, 30144
 Phone: 678-202-9569
 Email: dyifru@geosyntec.com
 Project Name: Crisp County CCR
 Site: Crisp County Park

Sampler: Renton Omdorff Lab PM: Whitire, Cheyenne R.
 Phone: 404-625-0058 E-Mail: Cheyenne.Whitire@leulorofinsus.com
 PWSID: _____
 Due Date Requested: _____
 TAT Requested (days): Standard
 Compliance Project: Yes No
 PO #: _____
 Purchase Order not required
 WO #: _____
 Project #: 40007960
 SSOW#: _____

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Solid, On-water, etc.)	9315 Ra226, 9320 Ra228, Ra226Ra228 GPPC	SM4500 Cl - Chloride	6020 - Sb, As, B, Ba, Be, Cd, Cr, Co, Li, Pb, Tl, Se, Mo	7470A - Mercury	2540C - Total Dissolved Solids	4500 F, C - Fluoride	SM4500 SO4 - Sulfate	Field Sampling - Field pH
MMU-02-20230426	04/26/23	13:44	G	Water	N	N	N	N	N	N	N	N
MMU-D8-20230427	04/27/23	12:07	G	Water	N	N	N	N	N	N	N	N
MMU-D9-20230427	04/27/23	12:05	G	Water	N	N	N	N	N	N	N	N
MMU-DUP-6-20230427	04/27/23	00:00	G	Water	N	N	N	N	N	N	N	N
				Water								
				Water								
				Water								
				Water								
				Water								
				Water								
				Water								
				Water								
				Water								



400-236902 COC

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological
 Deliverable Requested: I, III, IV, Other (specify) _____
 Empty Kit Relinquished by: _____ Date: _____ Time: _____
 Relinquished by: Justin Omdorff Date/Time: 4/28/23 12:45
 Relinquished by: _____ Date/Time: _____

Special Instructions/QC Requirements:
 Return To Client Disposal By Lab Archival
 Sample Disposal (A fee may be assessed if samples are retained)
 Carrier Tracking No(s): _____
 State of Origin: _____
 Received by: M Date/Time: 4-29-23
 Received by: _____ Date/Time: _____

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3355 McLemore Drive
Pensacola, FL 32114
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

Client Information
Client Contact: Dawn Yifru
Company: GeosynTec Consultants, Inc.
Address: 1255 Roberts Blvd, NW Suite 200
City: Kenner saw
State/Zip: GA, 30144
Phone: 778-202-9569
Email: dyifru@geosyntec.com
Project Name: Crisp County CCR
Site: Crisp County Power

Sampler: Instant Omdorff
Lab P/N: Whitmire, Chyenne R
Phone: 404-685-0058
E-Mail: Chyenne.Whitmire@et.eurofins.com
Carrier Tracking No(s):
State of Origin:

Due Date Requested:
TAT Requested (days): standard
Compliance Project: Yes No
PO #: Purchase Order not required
WO #:
Project #: 40007960
SSOW #:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil, B=brine, A=air)	9315_Ra226, 9320_Ra228, Ra228Ra228_GFPc	SM4500_Cl_E - Chloride	6020 - Sb,As,Ba,Be,Ca,Cd,Cr,Co,Li,Pb,Tl,Se,Mo	7470A - Mercury	2640C - Total Dissolved Solids	4500_F_C - Fluoride	SM4500_SO4_E - Sulfate	Field Sampling - Field pH
MW-U1-20230426	04/26/23	11:52	G	Water	N	X	X	X	X	X	X	X
MW-D1-20230426	04/26/23	13:33	G	Water	N	X	X	X	X	X	X	X
MW-D2-20230426	04/26/23	16:51	G	Water	N	X	X	X	X	X	X	X
MW-D3-20230427	04/27/23	08:48	G	Water	N	X	X	X	X	X	X	X
(Remaining 10 rows are crossed out with a diagonal line)												

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological
 Deliverable Requested: I (), II, IV, Other (specify)
 Empty Kit Relinquished by: _____ Date: _____
 Relinquished by: Instant Omdorff
 Relinquished by: _____ Date: _____
 Relinquished by: _____ Date: _____
 Relinquished by: _____ Date: _____

Sample Disposal (A fee may be assessed if samples are returned)
 Return To Client Disposal By Lab
 Special Instructions/QC Requirements:

400-236902 COC

Received by: _____ Date: _____
 Received by: _____ Date: _____



Eurofins Pensacola
 3355 McLemre Trlve
 Pensacola, FL 314
 Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

Client Information	Sampler: Tristan Omdorff Lab PM: Whitmire, Cheyenne R Client Contact: Dawit Yifru Phone: 404-625-0058 E-Mail: Whitmire@et.eurofinsus.com State of Origin: PWSID:	Camera Tracking No(s): State of Origin:
Company: Geosyntec Consultants, Inc. Address: 1255 Roberts Blvd, NW Suite 200 City: Kennesaw State, Zip: GA, 30144 Phone: 678-202-9669 Email: dyifru@geosyntec.com Project Name: Crisp County O.C.R. Site: Crisp County Power	Due Date Requested: TAT Requested (days): standard Compliance Project: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No PO #: Purchase Order not required WOC #: Project #: 40007960 SSOW#:	Analysis Requested 9315_Ra225, 9320_Ra228, Ra226Ra228_GFPCC SM4500_Cl_F - Chloride 6020 - Sb,As,B,Be,Ca,Cd,Cr,Co,Li,Pb,Ti,Se,Mo 7470A - Mercury 2640C - Total Dissolved Solids 4500_F_C - Fluoride SM4500_SO4_F - Sulfate Field Sampling - Field pH
Sample Identification DUP-20-20230427	Sample Date: 04/27/23 00:00 Sample Time: 5 Sample Type (C=Comp, G=Grab): G Matrix (W=Water, C=Soil, G=Grab, etc.): Water	Sample Date: 04/27/23 00:00 Sample Time: 5 Matrix (W=Water, C=Soil, G=Grab, etc.): Water
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, IV, Other (specify))		
Empty Kit Relinquished by: Relinquished by: Tristan Omdorff Date/Time: 4/28/23 12:45	Time:	Method of Shipment:

Sample Disposal (A fee may be assessed if samples are retain)
 Return To Client Disposal By Lab Arch
 Special Instructions/QC Requirements:

1	Company: Geosyntec	Received by:	Date/Time:
2	Company: Geosyntec	Received by:	Date/Time:
3	Company: Geosyntec	Received by:	Date/Time:
4	Company: Geosyntec	Received by:	Date/Time:
5	Company: Geosyntec	Received by:	Date/Time:
6	Company: Geosyntec	Received by:	Date/Time:
7	Company: Geosyntec	Received by:	Date/Time:
8	Company: Geosyntec	Received by:	Date/Time:
9	Company: Geosyntec	Received by:	Date/Time:
10	Company: Geosyntec	Received by:	Date/Time:
11	Company: Geosyntec	Received by:	Date/Time:
12	Company: Geosyntec	Received by:	Date/Time:

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 400-236902-3

Login Number: 236902

List Source: Eurofins Pensacola

List Number: 1

Creator: Whitley, Adrian

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.4, 3.7, 3.6, 2.3°C IR11
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

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

Job ID: 400-236902-3

Laboratory: Eurofins Pensacola

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

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-23
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-0689	09-01-23
California	State	2510	06-30-23
Florida	NELAP	E81010	06-30-23
Georgia	State	E81010(FL)	06-30-23
Illinois	NELAP	200041	10-09-23
Kansas	NELAP	E-10253	10-31-23
Kentucky (UST)	State	53	06-30-23
Louisiana (All)	NELAP	30976	06-30-23
Louisiana (DW)	State	LA017	12-31-23
Maryland	State	233	09-30-23
Michigan	State	9912	06-30-23
North Carolina (WW/SW)	State	314	12-31-23
Oklahoma	NELAP	9810	08-31-23
Pennsylvania	NELAP	68-00467	01-31-24
South Carolina	State	96026	06-30-23
Tennessee	State	TN02907	06-30-23
Texas	NELAP	T104704286	09-30-23
US Fish & Wildlife	US Federal Programs	A22340	06-30-23
USDA	US Federal Programs	P330-21-00056	05-17-24
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-23
West Virginia DEP	State	136	03-31-24



 **ANALYTICAL REPORT****PREPARED FOR**

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

Generated 6/7/2023 2:46:28 PM

JOB DESCRIPTION

Crisp County Power

JOB NUMBER

400-236902-4

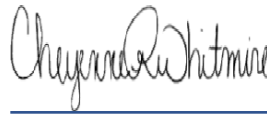
Eurofins Pensacola

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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Cheyenne.Whitmire@et.eurofinsus.com
(850)471-6222



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Case Narrative

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

Job ID: 400-236902-4

Job ID: 400-236902-4

Laboratory: Eurofins Pensacola

Narrative

Job Narrative 400-236902-4

Receipt

The samples were received on 4/29/2023 7:44 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 1.4° C, 2.3° C, 3.6° C and 3.7° C.

RAD

Method 9315: Radium-226 batch 611290. Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. MW-D3-20230427 (400-236902-12), (LCS 160-611290/2-A), (LCSD 160-611290/3-A) and (MB 160-611290/1-A)

Method 9315: Radium-226 batch 611496. Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. MW-U1-20230426 (400-236902-9), MW-D1-20230426 (400-236902-10), MW-D2-20230426 (400-236902-11), (LCS 160-611496/2-A), (LCSD 160-611496/3-A) and (MB 160-611496/1-A)

Method 9320: Radium-228 prep batch 160-611300. Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. MW-D3-20230427 (400-236902-12), (LCS 160-611300/2-A), (LCSD 160-611300/3-A) and (MB 160-611300/1-A)

Method 9320: Radium-228 batch 611507. The LCS recovered at (126%). 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 (62-148%) per method requirements. The LCS passes, no further action is required. (LCS 160-611507/2-A)

Method 9320: Radium-228 batch 611507. Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. MW-U1-20230426 (400-236902-9), MW-D1-20230426 (400-236902-10), MW-D2-20230426 (400-236902-11), (LCS 160-611507/2-A), (LCSD 160-611507/3-A) and (MB 160-611507/1-A)

Method 9320: Radium-228 prep batch 160-611507. The following sample(s) did not meet the requested limit (RL) due to the reduced sample volume attributed to limited volume available for analysis. The data have been reported with this narrative. MW-U1-20230426 (400-236902-9), MW-D1-20230426 (400-236902-10) and MW-D2-20230426 (400-236902-11)

Method PrecSep_0: Radium-228 Prep Batch 160-611042. Insufficient sample volume was available to perform a sample duplicate for the following samples: MW-U1-20230426 (400-236902-9), MW-D1-20230426 (400-236902-10) and MW-D2-20230426 (400-236902-11). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep_0: Radium-228 Prep Batch 160-611300. Insufficient sample volume was available to perform a sample duplicate for the following samples: MW-D3-20230427 (400-236902-12). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep_0: Radium-228 Prep Batch 160-611496. Insufficient sample volume was available to perform a sample duplicate for the following samples: MW-U1-20230426 (400-236902-9), MW-D1-20230426 (400-236902-10) and MW-D2-20230426 (400-236902-11). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep-21: Radium-226 Prep Batch 160-611031. Insufficient sample volume was available to perform a sample duplicate for the following samples: MW-U1-20230426 (400-236902-9), MW-D1-20230426 (400-236902-10) and MW-D2-20230426 (400-236902-11). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method PrecSep-21: Radium-226 Prep Batch 160-611290. Insufficient sample volume was available to perform a sample duplicate for the following samples: MW-D3-20230427 (400-236902-12). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD)

Case Narrative

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

Job ID: 400-236902-4

Job ID: 400-236902-4 (Continued)

Laboratory: Eurofins Pensacola (Continued)

were prepared instead to demonstrate batch precision.

Method PrecSep-21: Radium-226 Prep Batch 160-611496. Insufficient sample volume was available to perform a sample duplicate for the following samples: MW-U1-20230426 (400-236902-9), MW-D1-20230426 (400-236902-10) and MW-D2-20230426 (400-236902-11). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

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

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Method Summary

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

Job ID: 400-236902-4

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

Protocol References:

None = None

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

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

Laboratory References:

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

Sample Summary

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

Job ID: 400-236902-4

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-236902-9	MW-U1-20230426	Water	04/26/23 11:52	04/29/23 07:44
400-236902-10	MW-D1-20230426	Water	04/26/23 13:33	04/29/23 07:44
400-236902-11	MW-D2-20230426	Water	04/26/23 16:51	04/29/23 07:44
400-236902-12	MW-D3-20230427	Water	04/27/23 08:48	04/29/23 07:44

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Client Sample Results

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

Job ID: 400-236902-4

Client Sample ID: MW-U1-20230426

Lab Sample ID: 400-236902-9

Date Collected: 04/26/23 11:52

Matrix: Water

Date Received: 04/29/23 07:44

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.412	U	0.415	0.416	1.00	0.636	pCi/L	05/15/23 11:54	06/07/23 06:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	57.5		30 - 110					05/15/23 11:54	06/07/23 06:32	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.982	U G	1.06	1.06	1.00	1.72	pCi/L	05/15/23 13:17	06/06/23 13:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	57.5		30 - 110					05/15/23 13:17	06/06/23 13:16	1
Y Carrier	79.8		30 - 110					05/15/23 13:17	06/06/23 13:16	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.39	U	1.14	1.14	5.00	1.72	pCi/L		06/07/23 11:57	1

Client Sample Results

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

Job ID: 400-236902-4

Client Sample ID: MW-D1-20230426

Lab Sample ID: 400-236902-10

Date Collected: 04/26/23 13:33

Matrix: Water

Date Received: 04/29/23 07:44

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.411	U	0.470	0.471	1.00	0.766	pCi/L	05/15/23 11:54	06/07/23 06:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.8		30 - 110					05/15/23 11:54	06/07/23 06:32	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.662	U G	0.851	0.854	1.00	1.42	pCi/L	05/15/23 13:17	06/06/23 13:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.8		30 - 110					05/15/23 13:17	06/06/23 13:16	1
Y Carrier	73.9		30 - 110					05/15/23 13:17	06/06/23 13:16	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.07	U	0.972	0.975	5.00	1.42	pCi/L		06/07/23 11:57	1

Client Sample Results

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

Job ID: 400-236902-4

Client Sample ID: MW-D2-20230426

Lab Sample ID: 400-236902-11

Date Collected: 04/26/23 16:51

Matrix: Water

Date Received: 04/29/23 07:44

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.103	U	0.275	0.276	1.00	0.518	pCi/L	05/15/23 11:54	06/07/23 06:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.0		30 - 110					05/15/23 11:54	06/07/23 06:36	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	0.989	U G	0.706	0.712	1.00	1.06	pCi/L	05/15/23 13:17	06/06/23 13:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.0		30 - 110					05/15/23 13:17	06/06/23 13:16	1
Y Carrier	88.5		30 - 110					05/15/23 13:17	06/06/23 13:16	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.09		0.758	0.764	5.00	1.06	pCi/L		06/07/23 11:57	1

Client Sample Results

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

Job ID: 400-236902-4

Client Sample ID: MW-D3-20230427

Lab Sample ID: 400-236902-12

Date Collected: 04/27/23 08:48

Matrix: Water

Date Received: 04/29/23 07:44

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0295	U	0.102	0.102	1.00	0.188	pCi/L	05/12/23 11:17	06/06/23 08:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		30 - 110					05/12/23 11:17	06/06/23 08:28	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	0.525	U	0.361	0.365	1.00	0.534	pCi/L	05/12/23 12:20	06/02/23 13:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		30 - 110					05/12/23 12:20	06/02/23 13:20	1
Y Carrier	81.7		30 - 110					05/12/23 12:20	06/02/23 13:20	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	0.555		0.375	0.379	5.00	0.534	pCi/L		06/07/23 12:07	1

Definitions/Glossary

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

Job ID: 400-236902-4

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

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

Lab Chronicle

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

Job ID: 400-236902-4

Client Sample ID: MW-U1-20230426

Lab Sample ID: 400-236902-9

Date Collected: 04/26/23 11:52

Matrix: Water

Date Received: 04/29/23 07:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			611496	KAC	EET SL	05/15/23 11:54
Total/NA	Analysis	9315		1	614732	FLC	EET SL	06/07/23 06:32
Total/NA	Prep	PrecSep_0			611507	KAC	EET SL	05/15/23 13:17
Total/NA	Analysis	9320		1	614548	FLC	EET SL	06/06/23 13:16
Total/NA	Analysis	Ra226_Ra228		1	614752	SCB	EET SL	06/07/23 11:57

Client Sample ID: MW-D1-20230426

Lab Sample ID: 400-236902-10

Date Collected: 04/26/23 13:33

Matrix: Water

Date Received: 04/29/23 07:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			611496	KAC	EET SL	05/15/23 11:54
Total/NA	Analysis	9315		1	614732	FLC	EET SL	06/07/23 06:32
Total/NA	Prep	PrecSep_0			611507	KAC	EET SL	05/15/23 13:17
Total/NA	Analysis	9320		1	614548	FLC	EET SL	06/06/23 13:16
Total/NA	Analysis	Ra226_Ra228		1	614752	SCB	EET SL	06/07/23 11:57

Client Sample ID: MW-D2-20230426

Lab Sample ID: 400-236902-11

Date Collected: 04/26/23 16:51

Matrix: Water

Date Received: 04/29/23 07:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			611496	KAC	EET SL	05/15/23 11:54
Total/NA	Analysis	9315		1	614732	FLC	EET SL	06/07/23 06:36
Total/NA	Prep	PrecSep_0			611507	KAC	EET SL	05/15/23 13:17
Total/NA	Analysis	9320		1	614548	FLC	EET SL	06/06/23 13:16
Total/NA	Analysis	Ra226_Ra228		1	614752	SCB	EET SL	06/07/23 11:57

Client Sample ID: MW-D3-20230427

Lab Sample ID: 400-236902-12

Date Collected: 04/27/23 08:48

Matrix: Water

Date Received: 04/29/23 07:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			611290	KAC	EET SL	05/12/23 11:17
Total/NA	Analysis	9315		1	614545	SCB	EET SL	06/06/23 08:28
Total/NA	Prep	PrecSep_0			611300	KAC	EET SL	05/12/23 12:20
Total/NA	Analysis	9320		1	614272	SCB	EET SL	06/02/23 13:20
Total/NA	Analysis	Ra226_Ra228		1	614761	SCB	EET SL	06/07/23 12:07

Laboratory References:

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

QC Association Summary

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

Job ID: 400-236902-4

Rad

Prep Batch: 611290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-236902-12	MW-D3-20230427	Total/NA	Water	PrecSep-21	
MB 160-611290/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-611290/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-611290/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 611300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-236902-12	MW-D3-20230427	Total/NA	Water	PrecSep_0	
MB 160-611300/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-611300/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-611300/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Prep Batch: 611496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-236902-9	MW-U1-20230426	Total/NA	Water	PrecSep-21	
400-236902-10	MW-D1-20230426	Total/NA	Water	PrecSep-21	
400-236902-11	MW-D2-20230426	Total/NA	Water	PrecSep-21	
MB 160-611496/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-611496/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-611496/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 611507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-236902-9	MW-U1-20230426	Total/NA	Water	PrecSep_0	
400-236902-10	MW-D1-20230426	Total/NA	Water	PrecSep_0	
400-236902-11	MW-D2-20230426	Total/NA	Water	PrecSep_0	
MB 160-611507/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-611507/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-611507/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

QC Sample Results

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

Job ID: 400-236902-4

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-611290/1-A
Matrix: Water
Analysis Batch: 614545

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 611290

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.002034	U	0.0564	0.0564	1.00	0.122	pCi/L	05/12/23 11:17	06/06/23 08:27	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	90.5		30 - 110					05/12/23 11:17	06/06/23 08:27	1

Lab Sample ID: LCS 160-611290/2-A
Matrix: Water
Analysis Batch: 614545

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 611290

Analyte	Spike Added	LCS	LCS	Total	RL	MDC	Unit	%Rec	%Rec Limits
		Result	Qual	Uncert. (2σ+/-)					
Radium-226	11.3	10.49		1.15	1.00	0.119	pCi/L	93	75 - 113
Carrier	LCS %Yield	LCS Qualifier	Limits		Prepared	Analyzed	Dil Fac		
Ba Carrier	91.0		30 - 110					05/12/23 11:17	06/06/23 08:27

Lab Sample ID: LCSD 160-611290/3-A
Matrix: Water
Analysis Batch: 614545

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 611290

Analyte	Spike Added	LCSD	LCSD	Total	RL	MDC	Unit	%Rec	%Rec Limits	RER	Limit
		Result	Qual	Uncert. (2σ+/-)							
Radium-226	11.3	10.12		1.11	1.00	0.128	pCi/L	89	75 - 113	0.16	1
Carrier	LCSD %Yield	LCSD Qualifier	Limits		Prepared	Analyzed	Dil Fac				
Ba Carrier	92.0		30 - 110					05/15/23 11:54	06/07/23 06:54	1	

Lab Sample ID: MB 160-611496/1-A
Matrix: Water
Analysis Batch: 614731

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 611496

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	-0.02874	U	0.173	0.173	1.00	0.357	pCi/L	05/15/23 11:54	06/07/23 06:54	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	77.3		30 - 110					05/15/23 11:54	06/07/23 06:54	1

Lab Sample ID: LCS 160-611496/2-A
Matrix: Water
Analysis Batch: 614731

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 611496

Analyte	Spike Added	LCS	LCS	Total	RL	MDC	Unit	%Rec	%Rec Limits
		Result	Qual	Uncert. (2σ+/-)					
Radium-226	11.3	9.314		1.20	1.00	0.303	pCi/L	82	75 - 113

Eurofins Pensacola

QC Sample Results

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

Job ID: 400-236902-4

Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-611496/2-A
Matrix: Water
Analysis Batch: 614731

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 611496

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	82.3		30 - 110

Lab Sample ID: LCSD 160-611496/3-A
Matrix: Water
Analysis Batch: 614731

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 611496

Analyte	Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec		RER	RER Limit
									Limits	RER	Limit	
Radium-226	11.3	11.37		1.43	1.00	0.330	pCi/L	100	75 - 113	0.78		1

	LCSD	LCSD	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	72.5		30 - 110

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-611300/1-A
Matrix: Water
Analysis Batch: 614272

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 611300

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared		Analyzed		Dil Fac
								Time	Time	Time	Time	
Radium-228	0.3316	U	0.352	0.354	1.00	0.572	pCi/L	05/12/23 12:20	06/02/23 13:19			1

	MB	MB	Limits	Prepared	Analyzed	Dil Fac
Carrier	%Yield	Qualifier	Limits	Time	Time	
Ba Carrier	90.5		30 - 110	05/12/23 12:20	06/02/23 13:19	1
Y Carrier	84.8		30 - 110	05/12/23 12:20	06/02/23 13:19	1

Lab Sample ID: LCS 160-611300/2-A
Matrix: Water
Analysis Batch: 614272

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 611300

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec	
									Limits	RER
Radium-228	8.15	9.475		1.34	1.00	0.589	pCi/L	116	75 - 125	

	LCS	LCS	Limits
Carrier	%Yield	Qualifier	Limits
Ba Carrier	91.0		30 - 110
Y Carrier	80.9		30 - 110

Lab Sample ID: LCSD 160-611300/3-A
Matrix: Water
Analysis Batch: 614272

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 611300

Analyte	Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec		RER	RER Limit
									Limits	RER	Limit	
Radium-228	8.15	8.439		1.23	1.00	0.611	pCi/L	104	75 - 125	0.40		1

Eurofins Pensacola

QC Sample Results

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

Job ID: 400-236902-4

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

Lab Sample ID: LCSD 160-611300/3-A
Matrix: Water
Analysis Batch: 614272

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 611300

Carrier	LCSD		Limits
	%Yield	Qualifier	
Ba Carrier	92.0		30 - 110
Y Carrier	81.2		30 - 110

Lab Sample ID: MB 160-611507/1-A
Matrix: Water
Analysis Batch: 614547

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 611507

Analyte	MB		Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier								
Radium-228	0.1895	U	0.393	0.394	1.00	0.683	pCi/L	05/15/23 13:17	06/06/23 13:06	1

Carrier	MB		Limits	Prepared	Analyzed	Dil Fac
	%Yield	Qualifier				
Ba Carrier	77.3		30 - 110	05/15/23 13:17	06/06/23 13:06	1
Y Carrier	80.1		30 - 110	05/15/23 13:17	06/06/23 13:06	1

Lab Sample ID: LCS 160-611507/2-A
Matrix: Water
Analysis Batch: 614547

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 611507

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits

Carrier	LCS		Limits
	%Yield	Qualifier	
Ba Carrier	82.3		30 - 110
Y Carrier	78.9		30 - 110

Lab Sample ID: LCSD 160-611507/3-A
Matrix: Water
Analysis Batch: 614547

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 611507

Analyte	Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit

Carrier	LCSD		Limits
	%Yield	Qualifier	
Ba Carrier	72.5		30 - 110
Y Carrier	82.6		30 - 110

euromis reusacola
 3355 McLemore Drive
 Pensacola, FL 314
 Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

Client Information
 Client Contact: Davit Yifru
 Company: Geosyntec Consultants, Inc.
 Address: 1255 Roberts Blvd, NW Suite 200
 City: Kennesaw
 State, Zip: GA, 30144
 Phone: 678-207-9569
 Email: dyifru@geosyntec.com
 Project Name: Crisp County CCR
 Site: Crisp County Power

Sampler: Ristan Orndorff **Lab P/N:** Whitmore, Cheyenne R
Phone: 404-625-0058 **E-Mail:** Cheyenne.Whitmore@et.eurofinsus.com
PWSID: _____

Due Date Requested: _____
TAT Requested (days): Standard
Compliance Project: Yes No
PO #: _____
Purchase Order not required: _____
WO #: _____
Project #: 40007960
SSOW#: _____

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=sediment, O=other)	Analysis Requested
MW-D4-20230426	04/26/23	16:45	G	Water	9315_Ra228, 9320_Ra228, Ra228Ra228_GFPc SM4500_Cl_E - Chloride 6020_Sb, As, B, Ba, Be, Ca, Cd, Cr, Co, Li, Pb, Tl, Se, Mo 7470A - Mercury 2540C - Total Dissolved Solids 4500_F_C - Fluoride SM4500_SO4_E - Sulfate Field Sampling - Field pH
MW-D5-20230427	04/27/23	08:51	G	Water	
MW-D6-20230426	04/26/23	15:10	G	Water	
MW-D7-20230427	04/27/23	10:37	G	Water	
				Water	
				Water	
				Water	
				Water	
				Water	
				Water	
				Water	

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

Empty Kit Relinquished by: _____
Relinquished by: Ristan Orndorff **Date:** 4/28/23 12:45
Relinquished by: _____ **Date/Time:** _____
Received by: _____ **Date/Time:** 4-29-23
Company: Geosyntec
Sampler: _____

Chain of Custody Record

3355 McLennan Drive
 Pensacola, FL 32504
 Phone: 850-474-1001 Fax: 850-478-2671

Client Information
 Client Contact: Justin Omdorff
 Dawit Yifru
 Company: Geosyntec Consultants, Inc.
 Address: 1255 Roberts Blvd, NW Suite 200
 City: Kennesaw
 State, Zip: GA, 30144
 Phone: 678-202-9569
 Email: dyifru@geosyntec.com
 Project Name: Crisp County Park
 Site: Crisp County Park

Sampler: Renton Omdorff Lab PM: Whitire, Cheyenne R.
 Phone: 404-625-0058 E-Mail: Cheyenne.Whitire@leulorofinsus.com
 PWSID: _____
 Due Date Requested: _____
 TAT Requested (days): Standard
 Compliance Project: Yes No
 PO #: _____
 Purchase Order not required
 WO #: _____
 Project #: 40007960
 SSOW#: _____

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Solid, On-water, etc.)	9315_Ra226, 9320_Ra228, Ra226Ra228_GFPc	SM4500_Cl_E - Chloride	6020 - Sh,As,Ba,Be,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
MMU-02-20230426	04/26/23	13:44	G	Water	N	N	X	X	X	X	X	X
MMU-D8-20230427	04/27/23	12:07	G	Water	N	N	X	X	X	X	X	X
MMU-D9-20230427	04/27/23	12:05	G	Water	N	N	X	X	X	X	X	X
MMU-DUP-6-20230427	04/27/23	00:00	G	Water	N	N	X	X	X	X	X	X
				Water								
				Water								
				Water								
				Water								
				Water								
				Water								
				Water								
				Water								



400-236902 COC

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

Empty Kit Relinquished by: _____ Date: _____ Time: _____
 Relinquished by: Justin Omdorff Date/Time: 4/28/23 12:45
 Relinquished by: _____ Date/Time: _____
 Received by: _____ Date/Time: 4-29-23
 Company: Geosyntec
 Received by: _____ Date/Time: _____

Eurofins Pensacola


3355 McLemore Drive
Pensacola, FL 32504
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

Client Information
 Client Contact: Dawn Yifru
 Company: Geosyntec Consultants, Inc.
 Address: 1253 Roberts Blvd, NW Suite 200
 City: Kennesaw
 State/Zip: GA, 30144
 Phone: 770-78-202-9569
 Email: dyifru@geosyntec.com
 Project Name: Crisp County CCR
 Site: Crisp County Power

Sampler: INSTAN Omdorff
 Lab P/N: Whitmire, Cheyenne R
 Phone: 404-625-0058
 E-Mail: Cheyenne.Whitmire@eurofins.com
 Carrier Tracking No(s):
 State of Origin:

Due Date Requested:
TAT Requested (days): standard
Compliance Project: Yes No
PO #: Purchase Order not required
WO #:
Project #: 40007960
SSOW #:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Solid, Gas, etc.)	Analysis Requested
MW-U1-20230426	04/26/23	11:52	G	Water	915_Ra226, 9130_Ra228, Ra226Ra228_GFPc SM4500_C.F.-Chloride 6020 - Sb,As,Ba,Ba,Cd,Cr,Cr,Ca,Co,Li,Pb,Ti,Se,Mo 7470A - Mercury 2640C - Total Dissolved Solids 4500_F.C - Fluoride SM4500_S04_E - Sulfate Field Sampling - Field pH
MW-D1-20230426	04/26/23	13:33	G	Water	
MW-D2-20230426	04/26/23	16:51	G	Water	
MW-D3-20230427	04/27/23	08:48	G	Water	
					400-236902 COC

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

Deliverable Requested: I, II, III, IV, Other (specify) Disposal By Lab Return To Client

Special Instructions/QC Requirements:

Sample Disposal (A fee may be assessed if samples are returned):

Relinquished by: INSTAN Omdorff
 Date/Time: 4/28/23 12:45
 Received by: [Signature]
 Date/Time: [Blank]

Eurofins Pensacola
 3355 McLemr Trlve
 Pensacola, FL 314
 Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

Client Information
 Sampler: Kristan Omdorff Lab PM: Whitmore, Cheyenne R
 Client Contact: Dawit Yifru E-Mail: Cheyenne.Whitmore@et.eurofinsus.com
 Company: Geosyntec Consultants, Inc. PWSID: LWH-625-0058
 Address: 1255 Roberts Blvd, NW Suite 200
 City: Kennesaw
 State, Zip: GA, 30144
 Phone: 678-202-9569
 Email: dyifru@geosyntec.com
 Project Name: Crisp County O.C.R.
 Site: Crisp County Power

Analysis Requested

9315_Ra225, 9320_Ra228, Ra226Ra228_GFPc	SM4500_Cl_F - Chloride	6020 - Sb,As,B,Be,Cd,Cr,Cu,Li,Pb,Tl,Se,Mo	7470A - Mercury	2640C - Total Dissolved Solids	4500_F_C - Fluoride	SM4500_SO4_F - Sulfate	Field Sampling - Field pH
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Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix (Water, Cassid, Onwater/oil, Bratatus, Arab)
<u>DWP-20-20230427</u>	<u>04/27/23</u>	<u>00:00</u>	<u>G</u>	<u>Water</u>
				<u>Water</u>
				<u>Water</u>
				<u>Water</u>
				<u>Water</u>
				<u>Water</u>
				<u>Water</u>
				<u>Water</u>
				<u>Water</u>
				<u>Water</u>
				<u>Water</u>

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

Empty Kit Relinquished by: _____ Date: _____
 Relinquished by: Kristan Omdorff Date/Time: 4/28/23 12:45
 Relinquished by: _____ Date/Time: _____



Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 400-236902-4

Login Number: 236902

List Source: Eurofins Pensacola

List Number: 1

Creator: Whitley, Adrian

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.4, 3.7, 3.6, 2.3°C IR11
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 400-236902-4

Login Number: 236902

List Number: 2

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

List Creation: 05/02/23 01:44 PM

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



Accreditation/Certification Summary

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

Job ID: 400-236902-4

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-06-25
ANAB	ISO/IEC 17025	L2305	04-06-25
Arizona	State	AZ0813	12-08-23
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-23
Florida	NELAP	E87689	06-30-23
HI - RadChem Recognition	State	n/a	06-30-23
Illinois	NELAP	200023	11-30-23
Iowa	State	373	12-01-24
Kansas	NELAP	E-10236	10-31-23
Kentucky (DW)	State	KY90125	12-31-23
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-23
Louisiana (All)	NELAP	04080	06-30-23
Louisiana (DW)	State	LA011	12-31-23
Maryland	State	310	09-30-23
MI - RadChem Recognition	State	9005	06-30-23
Missouri	State	780	06-30-25
Nevada	State	MO000542020-1	07-31-23
New Jersey	NELAP	MO002	06-30-23
New York	NELAP	11616	03-31-24
North Carolina (DW)	State	29700	07-31-23
North Dakota	State	R-207	06-30-23
Oklahoma	NELAP	9997	08-31-23
Oregon	NELAP	4157	09-01-23
Pennsylvania	NELAP	68-00540	02-28-24
South Carolina	State	85002001	06-30-23
Texas	NELAP	T104704193	07-31-23
US Fish & Wildlife	US Federal Programs	058448	07-31-23
USDA	US Federal Programs	P330-17-00028	05-18-26
Utah	NELAP	MO000542021-14	07-31-23
Virginia	NELAP	10310	06-14-23
Washington	State	C592	08-30-23
West Virginia DEP	State	381	10-31-23

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

Client Sample Results

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

Job ID: 400-236902-1

Client Sample ID: DUP-20-20230427

Lab Sample ID: 400-236902-13

Date Collected: 04/27/23 12:00

Matrix: Water

Date Received: 04/29/23 07:44

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.0025	0.0015	mg/L		05/08/23 13:20	05/18/23 15:22	5
Arsenic	ND		0.0013	0.0012	mg/L		05/08/23 13:20	05/18/23 15:22	5
Barium	0.060		0.0025	0.00070	mg/L		05/08/23 13:20	05/18/23 15:22	5
Beryllium	ND		0.0020	0.00092	mg/L		05/08/23 13:20	05/18/23 15:22	5
Boron	0.17	B	0.050	0.0012	mg/L		05/08/23 13:20	05/18/23 15:22	5
Cadmium	ND		0.0010	0.00065	mg/L		05/08/23 13:20	05/18/23 15:22	5
Calcium	89		0.25	0.13	mg/L		05/08/23 13:20	05/18/23 15:22	5
Chromium	ND		0.0025	0.0010	mg/L		05/08/23 13:20	05/18/23 15:22	5
Cobalt	ND		0.0025	0.00056	mg/L		05/08/23 13:20	05/18/23 15:22	5
Lead	ND		0.0013	0.00081	mg/L		05/08/23 13:20	05/18/23 15:22	5
Lithium	ND		0.0025	0.0049	mg/L		05/08/23 13:20	05/18/23 15:22	5
Molybdenum	0.0053	J	0.010	0.0013	mg/L		05/08/23 13:20	05/18/23 15:22	5
Selenium	ND		0.0013	0.00082	mg/L		05/08/23 13:20	05/18/23 15:22	5
Thallium	ND		0.00050	0.00046	mg/L		05/08/23 13:20	05/18/23 15:22	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00015	mg/L		05/02/23 08:50	05/03/23 09:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	260		5.0	5.0	mg/L			05/03/23 09:13	1
Chloride (SM 4500 Cl- E)	2.6		2.0	1.4	mg/L			05/15/23 13:23	1
Fluoride (SM 4500 F C)	0.12		0.10	0.070	mg/L			05/02/23 13:49	1
Sulfate (SM 4500 SO4 E)	28		5.0	1.4	mg/L			05/17/23 18:45	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	N/A				SU			04/27/23 11:00	1

Client Sample Results

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

Job ID: 400-236902-2

Client Sample ID: DUP-20-20230427

Lab Sample ID: 400-236902-13

Date Collected: 04/27/23 12:00

Matrix: Water

Date Received: 04/29/23 07:44

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0389	U	0.0853	0.0854	1.00	0.154	pCi/L	05/12/23 11:17	06/06/23 08:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110					05/12/23 11:17	06/06/23 08:28	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	-0.150	U	0.311	0.311	1.00	0.619	pCi/L	05/12/23 12:20	06/02/23 13:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110					05/12/23 12:20	06/02/23 13:20	1
Y Carrier	82.6		30 - 110					05/12/23 12:20	06/02/23 13:20	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	-0.111	U	0.322	0.323	5.00	0.619	pCi/L		06/07/23 12:07	1

October 2023

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ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

Crisp County Power

JOB NUMBER

400-245391-1

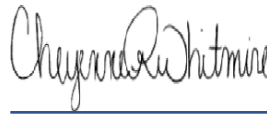
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Job Notes

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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.

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Revision 1



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Case Narrative

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

Job ID: 400-245391-1

Job ID: 400-245391-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative 400-245391-1

Receipt

The samples were received on 10/20/2023 9:31 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 0.0° C, 0.0° C, 2.5° C, 3.0° C and 3.0° C.

General Chemistry

Method SM 4500 F C: Due to the high concentration of Fluoride, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 400-646886 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

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

Revision

The report being provided is a revision of the original report sent on 11/2/2023. The report (revision 1) is being revised due to: Client requested the metals analyte list to be expanded.

Metals

Method 6020B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-647022 and analytical batch 400-648338 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 6020B: The post digestion spike % recovery associated with batch 400-648338 was outside of control limits. The associated sample is: (400-245391-B-1-A PDS ^5).

Method 6020B: The method blank for preparation batch 400-647022 and analytical batch 400-650932 contained Boron above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Detection Summary

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

Job ID: 400-245391-1

Client Sample ID: MW-U1-20231017

Lab Sample ID: 400-245391-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0038		0.0025	0.0018	mg/L	5		6020B	Total Recoverable
Boron	0.34		0.050	0.029	mg/L	5		6020B	Total Recoverable
Calcium	36		0.25	0.13	mg/L	5		6020B	Total Recoverable
Chromium	0.0022	J	0.0025	0.0021	mg/L	5		6020B	Total Recoverable
Cobalt	0.0013	J	0.0025	0.00056	mg/L	5		6020B	Total Recoverable
Molybdenum	0.0011	J	0.010	0.00046	mg/L	5		6020B	Total Recoverable
Fluoride	0.079	J	0.10	0.070	mg/L	1		SM 4500 F C	Total/NA
Field pH	8.10				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-D1-20231017

Lab Sample ID: 400-245391-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.015	F1	0.0025	0.0018	mg/L	5		6020B	Total Recoverable
Boron	0.49		0.050	0.029	mg/L	5		6020B	Total Recoverable
Calcium	68		0.25	0.13	mg/L	5		6020B	Total Recoverable
Selenium	0.0014		0.0013	0.00082	mg/L	5		6020B	Total Recoverable
Fluoride	0.10		0.10	0.070	mg/L	1		SM 4500 F C	Total/NA
Field pH	7.10				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-D2-20231017

Lab Sample ID: 400-245391-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.14		0.0025	0.0018	mg/L	5		6020B	Total Recoverable
Boron	0.48		0.050	0.029	mg/L	5		6020B	Total Recoverable
Calcium	120		0.25	0.13	mg/L	5		6020B	Total Recoverable
Selenium	0.0026		0.0013	0.00082	mg/L	5		6020B	Total Recoverable
Field pH	7.06				SU	1		Field Sampling	Total/NA

Client Sample ID: MW-D3-20231017

Lab Sample ID: 400-245391-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.048		0.0025	0.0018	mg/L	5		6020B	Total Recoverable
Boron	0.51		0.050	0.029	mg/L	5		6020B	Total Recoverable
Calcium	79		0.25	0.13	mg/L	5		6020B	Total Recoverable
Molybdenum	0.0054	J	0.010	0.00046	mg/L	5		6020B	Total Recoverable
Selenium	0.0026		0.0013	0.00082	mg/L	5		6020B	Total Recoverable
Fluoride	0.13		0.10	0.070	mg/L	1		SM 4500 F C	Total/NA
Field pH	7.10				SU	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

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

Job ID: 400-245391-1

Client Sample ID: FB-1-20231017

Lab Sample ID: 400-245391-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.36		0.050	0.029	mg/L	5		6020B	Total Recoverable

Client Sample ID: EB-1-20231017

Lab Sample ID: 400-245391-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.34		0.050	0.029	mg/L	5		6020B	Total Recoverable

Client Sample ID: DUP-21-20231017

Lab Sample ID: 400-245391-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.14		0.0025	0.0018	mg/L	5		6020B	Total Recoverable
Boron	0.46		0.050	0.029	mg/L	5		6020B	Total Recoverable
Calcium	120		0.25	0.13	mg/L	5		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

Job ID: 400-245391-1

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET PEN
SM 4500 F C	Fluoride	SM	EET PEN
Field Sampling	Field Sampling	EPA	EET PEN
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

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

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

Laboratory References:

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

Sample Summary

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

Job ID: 400-245391-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-245391-1	MW-U1-20231017	Water	10/17/23 10:10	10/20/23 09:31
400-245391-2	MW-D1-20231017	Water	10/17/23 12:45	10/20/23 09:31
400-245391-3	MW-D2-20231017	Water	10/17/23 17:05	10/20/23 09:31
400-245391-4	MW-D3-20231017	Water	10/17/23 19:00	10/20/23 09:31
400-245391-5	FB-1-20231017	Water	10/17/23 12:00	10/20/23 09:31
400-245391-6	EB-1-20231017	Water	10/18/23 08:00	10/20/23 09:31
400-245391-7	DUP-21-20231017	Water	10/17/23 12:00	10/20/23 09:31

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Client Sample Results

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

Job ID: 400-245391-1

Client Sample ID: MW-U1-20231017

Lab Sample ID: 400-245391-1

Date Collected: 10/17/23 10:10

Matrix: Water

Date Received: 10/20/23 09:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.0038		0.0025	0.0018	mg/L		10/25/23 07:37	11/01/23 17:34	5
Boron	0.34		0.050	0.029	mg/L		10/25/23 07:37	11/01/23 17:34	5
Calcium	36		0.25	0.13	mg/L		10/25/23 07:37	11/17/23 17:39	5
Chromium	0.0022	J	0.0025	0.0021	mg/L		10/25/23 07:37	11/01/23 17:34	5
Cobalt	0.0013	J	0.0025	0.00056	mg/L		10/25/23 07:37	11/01/23 17:34	5
Lithium	ND		0.0025	0.0049	mg/L		10/25/23 07:37	11/01/23 17:34	5
Molybdenum	0.0011	J	0.010	0.00046	mg/L		10/25/23 07:37	11/01/23 17:34	5
Selenium	ND		0.0013	0.00082	mg/L		10/25/23 07:37	11/01/23 17:34	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C)	0.079	J	0.10	0.070	mg/L			10/24/23 10:57	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	8.10				SU			10/17/23 09:10	1

Client Sample Results

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

Job ID: 400-245391-1

Client Sample ID: MW-D1-20231017

Lab Sample ID: 400-245391-2

Date Collected: 10/17/23 12:45

Matrix: Water

Date Received: 10/20/23 09:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.015	F1	0.0025	0.0018	mg/L		10/25/23 07:37	11/01/23 18:02	5
Boron	0.49		0.050	0.029	mg/L		10/25/23 07:37	11/01/23 18:02	5
Calcium	68		0.25	0.13	mg/L		10/25/23 07:37	11/01/23 18:02	5
Chromium	ND		0.0025	0.0021	mg/L		10/25/23 07:37	11/01/23 18:02	5
Cobalt	ND		0.0025	0.00056	mg/L		10/25/23 07:37	11/01/23 18:02	5
Lithium	ND		0.0025	0.0049	mg/L		10/25/23 07:37	11/01/23 18:02	5
Molybdenum	ND		0.010	0.00046	mg/L		10/25/23 07:37	11/01/23 18:02	5
Selenium	0.0014		0.0013	0.00082	mg/L		10/25/23 07:37	11/01/23 18:02	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C)	0.10		0.10	0.070	mg/L			10/24/23 10:59	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.10				SU			10/17/23 11:45	1

Client Sample Results

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

Job ID: 400-245391-1

Client Sample ID: MW-D2-20231017

Lab Sample ID: 400-245391-3

Date Collected: 10/17/23 17:05

Matrix: Water

Date Received: 10/20/23 09:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.14		0.0025	0.0018	mg/L		10/25/23 07:37	11/01/23 18:11	5
Boron	0.48		0.050	0.029	mg/L		10/25/23 07:37	11/01/23 18:11	5
Calcium	120		0.25	0.13	mg/L		10/25/23 07:37	11/01/23 18:11	5
Chromium	ND		0.0025	0.0021	mg/L		10/25/23 07:37	11/01/23 18:11	5
Cobalt	ND		0.0025	0.00056	mg/L		10/25/23 07:37	11/01/23 18:11	5
Lithium	ND		0.0025	0.0049	mg/L		10/25/23 07:37	11/01/23 18:11	5
Molybdenum	ND		0.010	0.00046	mg/L		10/25/23 07:37	11/01/23 18:11	5
Selenium	0.0026		0.0013	0.00082	mg/L		10/25/23 07:37	11/01/23 18:11	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C)	ND		0.10	0.070	mg/L			10/24/23 11:01	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.06				SU			10/17/23 16:05	1

Client Sample Results

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

Job ID: 400-245391-1

Client Sample ID: MW-D3-20231017

Lab Sample ID: 400-245391-4

Date Collected: 10/17/23 19:00

Matrix: Water

Date Received: 10/20/23 09:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.048		0.0025	0.0018	mg/L		10/25/23 07:37	11/01/23 18:14	5
Boron	0.51		0.050	0.029	mg/L		10/25/23 07:37	11/01/23 18:14	5
Calcium	79		0.25	0.13	mg/L		10/25/23 07:37	11/01/23 18:14	5
Chromium	ND		0.0025	0.0021	mg/L		10/25/23 07:37	11/01/23 18:14	5
Cobalt	ND		0.0025	0.00056	mg/L		10/25/23 07:37	11/01/23 18:14	5
Lithium	ND		0.0025	0.0049	mg/L		10/25/23 07:37	11/01/23 18:14	5
Molybdenum	0.0054	J	0.010	0.00046	mg/L		10/25/23 07:37	11/01/23 18:14	5
Selenium	0.0026		0.0013	0.00082	mg/L		10/25/23 07:37	11/01/23 18:14	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C)	0.13		0.10	0.070	mg/L			10/24/23 11:03	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.10				SU			10/17/23 18:00	1

Client Sample Results

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

Job ID: 400-245391-1

Client Sample ID: FB-1-20231017

Lab Sample ID: 400-245391-5

Date Collected: 10/17/23 12:00

Matrix: Water

Date Received: 10/20/23 09:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		0.0025	0.0018	mg/L		10/25/23 07:37	11/01/23 18:18	5
Boron	0.36		0.050	0.029	mg/L		10/25/23 07:37	11/01/23 18:18	5
Calcium	ND		0.25	0.13	mg/L		10/25/23 07:37	11/01/23 18:18	5
Chromium	ND		0.0025	0.0021	mg/L		10/25/23 07:37	11/01/23 18:18	5
Cobalt	ND		0.0025	0.00056	mg/L		10/25/23 07:37	11/01/23 18:18	5
Lithium	ND		0.0025	0.0049	mg/L		10/25/23 07:37	11/01/23 18:18	5
Molybdenum	ND		0.010	0.00046	mg/L		10/25/23 07:37	11/01/23 18:18	5
Selenium	ND		0.0013	0.00082	mg/L		10/25/23 07:37	11/01/23 18:18	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C)	ND		0.10	0.070	mg/L			10/24/23 11:06	1



Client Sample Results

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

Job ID: 400-245391-1

Client Sample ID: EB-1-20231017

Lab Sample ID: 400-245391-6

Date Collected: 10/18/23 08:00

Matrix: Water

Date Received: 10/20/23 09:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		0.0025	0.0018	mg/L		10/25/23 07:37	11/01/23 18:21	5
Boron	0.34		0.050	0.029	mg/L		10/25/23 07:37	11/01/23 18:21	5
Calcium	ND		0.25	0.13	mg/L		10/25/23 07:37	11/01/23 18:21	5
Chromium	ND		0.0025	0.0021	mg/L		10/25/23 07:37	11/01/23 18:21	5
Cobalt	ND		0.0025	0.00056	mg/L		10/25/23 07:37	11/01/23 18:21	5
Lithium	ND		0.0025	0.0049	mg/L		10/25/23 07:37	11/01/23 18:21	5
Molybdenum	ND		0.010	0.00046	mg/L		10/25/23 07:37	11/01/23 18:21	5
Selenium	ND		0.0013	0.00082	mg/L		10/25/23 07:37	11/01/23 18:21	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C)	ND		0.10	0.070	mg/L			10/24/23 11:08	1

Client Sample Results

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

Job ID: 400-245391-1

Client Sample ID: DUP-21-20231017

Lab Sample ID: 400-245391-7

Date Collected: 10/17/23 12:00

Matrix: Water

Date Received: 10/20/23 09:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.14		0.0025	0.0018	mg/L		10/25/23 07:37	11/01/23 18:24	5
Boron	0.46		0.050	0.029	mg/L		10/25/23 07:37	11/01/23 18:24	5
Calcium	120		0.25	0.13	mg/L		10/25/23 07:37	11/01/23 18:24	5
Chromium	ND		0.0025	0.0021	mg/L		10/25/23 07:37	11/01/23 18:24	5
Cobalt	ND		0.0025	0.00056	mg/L		10/25/23 07:37	11/01/23 18:24	5
Lithium	ND		0.0025	0.0049	mg/L		10/25/23 07:37	11/01/23 18:24	5
Molybdenum	ND		0.010	0.00046	mg/L		10/25/23 07:37	11/01/23 18:24	5
Selenium	ND		0.0013	0.00082	mg/L		10/25/23 07:37	11/01/23 18:24	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C)	ND		0.10	0.070	mg/L			10/24/23 11:10	1



Definitions/Glossary

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

Job ID: 400-245391-1

Qualifiers

Metals

Qualifier	Qualifier Description
^1-	Initial Calibration Verification (ICV) is outside acceptance limits, low biased.
^3-	Reporting Limit Check Standard is outside acceptance limits, low biased.
^3+	Reporting Limit Check Standard is outside acceptance limits, high biased
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

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

Glossary

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

Lab Chronicle

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

Job ID: 400-245391-1

Client Sample ID: MW-U1-20231017

Lab Sample ID: 400-245391-1

Date Collected: 10/17/23 10:10

Matrix: Water

Date Received: 10/20/23 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			647022	MS	EET PEN	10/25/23 07:37 - 10/25/23 10:30 ¹
Total Recoverable	Analysis	6020B		5	648338	NTH	EET PEN	11/01/23 17:34
Total Recoverable	Prep	3005A			647022	MS	EET PEN	10/25/23 07:37 - 10/25/23 10:30 ¹
Total Recoverable	Analysis	6020B		5	648339	NTH	EET PEN	11/01/23 17:34
Total Recoverable	Prep	3005A			647022	MS	EET PEN	10/25/23 07:37 - 10/25/23 10:30 ¹
Total Recoverable	Analysis	6020B		5	650932	NTH	EET PEN	11/17/23 17:39
Total/NA	Analysis	SM 4500 F C		1	646886	JP	EET PEN	10/24/23 10:57
Total/NA	Analysis	Field Sampling		1	646846	C1H	EET PEN	10/17/23 09:10

Client Sample ID: MW-D1-20231017

Lab Sample ID: 400-245391-2

Date Collected: 10/17/23 12:45

Matrix: Water

Date Received: 10/20/23 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			647022	MS	EET PEN	10/25/23 07:37 - 10/25/23 10:30 ¹
Total Recoverable	Analysis	6020B		5	648338	NTH	EET PEN	11/01/23 18:02
Total Recoverable	Prep	3005A			647022	MS	EET PEN	10/25/23 07:37 - 10/25/23 10:30 ¹
Total Recoverable	Analysis	6020B		5	648339	NTH	EET PEN	11/01/23 18:02
Total/NA	Analysis	SM 4500 F C		1	646886	JP	EET PEN	10/24/23 10:59
Total/NA	Analysis	Field Sampling		1	646846	C1H	EET PEN	10/17/23 11:45

Client Sample ID: MW-D2-20231017

Lab Sample ID: 400-245391-3

Date Collected: 10/17/23 17:05

Matrix: Water

Date Received: 10/20/23 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			647022	MS	EET PEN	10/25/23 07:37 - 10/25/23 10:30 ¹
Total Recoverable	Analysis	6020B		5	648338	NTH	EET PEN	11/01/23 18:11
Total Recoverable	Prep	3005A			647022	MS	EET PEN	10/25/23 07:37 - 10/25/23 10:30 ¹
Total Recoverable	Analysis	6020B		5	648339	NTH	EET PEN	11/01/23 18:11
Total/NA	Analysis	SM 4500 F C		1	646886	JP	EET PEN	10/24/23 11:01
Total/NA	Analysis	Field Sampling		1	646846	C1H	EET PEN	10/17/23 16:05

Client Sample ID: MW-D3-20231017

Lab Sample ID: 400-245391-4

Date Collected: 10/17/23 19:00

Matrix: Water

Date Received: 10/20/23 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			647022	MS	EET PEN	10/25/23 07:37 - 10/25/23 10:30 ¹
Total Recoverable	Analysis	6020B		5	648338	NTH	EET PEN	11/01/23 18:14
Total Recoverable	Prep	3005A			647022	MS	EET PEN	10/25/23 07:37 - 10/25/23 10:30 ¹
Total Recoverable	Analysis	6020B		5	648339	NTH	EET PEN	11/01/23 18:14
Total/NA	Analysis	SM 4500 F C		1	646886	JP	EET PEN	10/24/23 11:03
Total/NA	Analysis	Field Sampling		1	646846	C1H	EET PEN	10/17/23 18:00

Eurofins Pensacola

Lab Chronicle

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

Job ID: 400-245391-1

Client Sample ID: FB-1-20231017

Lab Sample ID: 400-245391-5

Date Collected: 10/17/23 12:00

Matrix: Water

Date Received: 10/20/23 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			647022	MS	EET PEN	10/25/23 07:37 - 10/25/23 10:30 ¹
Total Recoverable	Analysis	6020B		5	648338	NTH	EET PEN	11/01/23 18:18
Total Recoverable	Prep	3005A			647022	MS	EET PEN	10/25/23 07:37 - 10/25/23 10:30 ¹
Total Recoverable	Analysis	6020B		5	648339	NTH	EET PEN	11/01/23 18:18
Total/NA	Analysis	SM 4500 F C		1	646886	JP	EET PEN	10/24/23 11:06

Client Sample ID: EB-1-20231017

Lab Sample ID: 400-245391-6

Date Collected: 10/18/23 08:00

Matrix: Water

Date Received: 10/20/23 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			647022	MS	EET PEN	10/25/23 07:37 - 10/25/23 10:30 ¹
Total Recoverable	Analysis	6020B		5	648338	NTH	EET PEN	11/01/23 18:21
Total Recoverable	Prep	3005A			647022	MS	EET PEN	10/25/23 07:37 - 10/25/23 10:30 ¹
Total Recoverable	Analysis	6020B		5	648339	NTH	EET PEN	11/01/23 18:21
Total/NA	Analysis	SM 4500 F C		1	646886	JP	EET PEN	10/24/23 11:08

Client Sample ID: DUP-21-20231017

Lab Sample ID: 400-245391-7

Date Collected: 10/17/23 12:00

Matrix: Water

Date Received: 10/20/23 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			647022	MS	EET PEN	10/25/23 07:37 - 10/25/23 10:30 ¹
Total Recoverable	Analysis	6020B		5	648338	NTH	EET PEN	11/01/23 18:24
Total Recoverable	Prep	3005A			647022	MS	EET PEN	10/25/23 07:37 - 10/25/23 10:30 ¹
Total Recoverable	Analysis	6020B		5	648339	NTH	EET PEN	11/01/23 18:24
Total/NA	Analysis	SM 4500 F C		1	646886	JP	EET PEN	10/24/23 11:10

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

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

QC Association Summary

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

Job ID: 400-245391-1

Metals

Prep Batch: 647022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-245391-1	MW-U1-20231017	Total Recoverable	Water	3005A	
400-245391-2	MW-D1-20231017	Total Recoverable	Water	3005A	
400-245391-3	MW-D2-20231017	Total Recoverable	Water	3005A	
400-245391-4	MW-D3-20231017	Total Recoverable	Water	3005A	
400-245391-5	FB-1-20231017	Total Recoverable	Water	3005A	
400-245391-6	EB-1-20231017	Total Recoverable	Water	3005A	
400-245391-7	DUP-21-20231017	Total Recoverable	Water	3005A	
MB 400-647022/1-A	Method Blank	Total Recoverable	Water	3005A	
MB 400-647022/1-A ^5	Method Blank	Total Recoverable	Water	3005A	
LCS 400-647022/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCS 400-647022/2-A ^5	Lab Control Sample	Total Recoverable	Water	3005A	
400-245391-2 MS	MW-D1-20231017	Total Recoverable	Water	3005A	
400-245391-2 MSD	MW-D1-20231017	Total Recoverable	Water	3005A	

Analysis Batch: 648338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-245391-1	MW-U1-20231017	Total Recoverable	Water	6020B	647022
400-245391-2	MW-D1-20231017	Total Recoverable	Water	6020B	647022
400-245391-3	MW-D2-20231017	Total Recoverable	Water	6020B	647022
400-245391-4	MW-D3-20231017	Total Recoverable	Water	6020B	647022
400-245391-5	FB-1-20231017	Total Recoverable	Water	6020B	647022
400-245391-6	EB-1-20231017	Total Recoverable	Water	6020B	647022
400-245391-7	DUP-21-20231017	Total Recoverable	Water	6020B	647022
MB 400-647022/1-A	Method Blank	Total Recoverable	Water	6020B	647022
MB 400-647022/1-A ^5	Method Blank	Total Recoverable	Water	6020B	647022
LCS 400-647022/2-A	Lab Control Sample	Total Recoverable	Water	6020B	647022
LCS 400-647022/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020B	647022
400-245391-2 MS	MW-D1-20231017	Total Recoverable	Water	6020B	647022
400-245391-2 MSD	MW-D1-20231017	Total Recoverable	Water	6020B	647022

Analysis Batch: 648339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-245391-1	MW-U1-20231017	Total Recoverable	Water	6020B	647022
400-245391-2	MW-D1-20231017	Total Recoverable	Water	6020B	647022
400-245391-3	MW-D2-20231017	Total Recoverable	Water	6020B	647022
400-245391-4	MW-D3-20231017	Total Recoverable	Water	6020B	647022
400-245391-5	FB-1-20231017	Total Recoverable	Water	6020B	647022
400-245391-6	EB-1-20231017	Total Recoverable	Water	6020B	647022
400-245391-7	DUP-21-20231017	Total Recoverable	Water	6020B	647022

Analysis Batch: 650932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-245391-1	MW-U1-20231017	Total Recoverable	Water	6020B	647022
MB 400-647022/1-A ^5	Method Blank	Total Recoverable	Water	6020B	647022
LCS 400-647022/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020B	647022

Analysis Batch: 651220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-647022/2-A	Lab Control Sample	Total Recoverable	Water	6020B	647022

QC Association Summary

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

Job ID: 400-245391-1

General Chemistry

Analysis Batch: 646886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-245391-1	MW-U1-20231017	Total/NA	Water	SM 4500 F C	
400-245391-2	MW-D1-20231017	Total/NA	Water	SM 4500 F C	
400-245391-3	MW-D2-20231017	Total/NA	Water	SM 4500 F C	
400-245391-4	MW-D3-20231017	Total/NA	Water	SM 4500 F C	
400-245391-5	FB-1-20231017	Total/NA	Water	SM 4500 F C	
400-245391-6	EB-1-20231017	Total/NA	Water	SM 4500 F C	
400-245391-7	DUP-21-20231017	Total/NA	Water	SM 4500 F C	
MB 400-646886/9	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-646886/11	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MRL 400-646886/10	Lab Control Sample	Total/NA	Water	SM 4500 F C	
560-113077-I-1 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
560-113077-I-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	

Field Service / Mobile Lab

Analysis Batch: 646846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-245391-1	MW-U1-20231017	Total/NA	Water	Field Sampling	
400-245391-2	MW-D1-20231017	Total/NA	Water	Field Sampling	
400-245391-3	MW-D2-20231017	Total/NA	Water	Field Sampling	
400-245391-4	MW-D3-20231017	Total/NA	Water	Field Sampling	

QC Sample Results

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

Job ID: 400-245391-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 400-647022/1-A
Matrix: Water
Analysis Batch: 648338

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 647022

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.0013	0.00082	mg/L		10/25/23 07:37	11/01/23 15:25	5

Lab Sample ID: MB 400-647022/1-A ^5
Matrix: Water
Analysis Batch: 648338

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 647022

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		0.0025	0.0018	mg/L		10/25/23 07:37	11/01/23 17:28	5
Chromium	ND		0.0025	0.0021	mg/L		10/25/23 07:37	11/01/23 17:28	5
Cobalt	ND		0.0025	0.00056	mg/L		10/25/23 07:37	11/01/23 17:28	5
Lithium	ND		0.0025	0.0049	mg/L		10/25/23 07:37	11/01/23 17:28	5
Molybdenum	ND		0.010	0.00046	mg/L		10/25/23 07:37	11/01/23 17:28	5

Lab Sample ID: MB 400-647022/1-A ^5
Matrix: Water
Analysis Batch: 650932

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 647022

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.0321	J	0.050	0.029	mg/L		10/25/23 07:37	11/17/23 17:33	5
Calcium	ND		0.25	0.13	mg/L		10/25/23 07:37	11/17/23 17:33	5

Lab Sample ID: LCS 400-647022/2-A
Matrix: Water
Analysis Batch: 648338

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 647022

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.0500	0.0547		mg/L		109	80 - 120

Lab Sample ID: LCS 400-647022/2-A
Matrix: Water
Analysis Batch: 651220

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 647022

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.100	0.108		mg/L		108	80 - 120

Lab Sample ID: LCS 400-647022/2-A ^5
Matrix: Water
Analysis Batch: 648338

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 647022

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.0500	0.0520		mg/L		104	80 - 120
Cobalt	0.0500	0.0509		mg/L		102	80 - 120
Lithium	0.0500	0.0510		mg/L		102	80 - 120
Molybdenum	0.0500	0.0519		mg/L		104	80 - 120
Selenium	0.0500	0.0551		mg/L		110	80 - 120

QC Sample Results

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

Job ID: 400-245391-1

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

Lab Sample ID: LCS 400-647022/2-A ^5
Matrix: Water
Analysis Batch: 650932

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 647022

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	5.00	5.35		mg/L		107	80 - 120

Lab Sample ID: 400-245391-2 MS
Matrix: Water
Analysis Batch: 648338

Client Sample ID: MW-D1-20231017
Prep Type: Total Recoverable
Prep Batch: 647022

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.015	F1	0.0500	0.0837	F1	mg/L		138	75 - 125
Boron	0.49	B ^1- ^3+ *+	0.100	0.559	4 ^1- ^3+	mg/L		71	75 - 125
Calcium	68	E ^3-	5.00	74.1	E 4 ^3-	mg/L		125	75 - 125
Chromium	ND		0.0500	0.0531		mg/L		106	75 - 125
Cobalt	ND		0.0500	0.0516		mg/L		103	75 - 125
Lithium	ND		0.0500	0.0484		mg/L		97	75 - 125
Molybdenum	ND		0.0500	0.0518		mg/L		104	75 - 125
Selenium	0.0014		0.0500	0.0511		mg/L		99	75 - 125

Lab Sample ID: 400-245391-2 MSD
Matrix: Water
Analysis Batch: 648338

Client Sample ID: MW-D1-20231017
Prep Type: Total Recoverable
Prep Batch: 647022

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Barium	0.015	F1	0.0500	0.0845	F1	mg/L		140	75 - 125	1	20
Boron	0.49	B ^1- ^3+ *+	0.100	0.591	4 ^1- ^3+	mg/L		104	75 - 125	6	20
Calcium	68	E ^3-	5.00	73.8	E 4 ^3-	mg/L		118	75 - 125	0	20
Chromium	ND		0.0500	0.0537		mg/L		107	75 - 125	1	20
Cobalt	ND		0.0500	0.0518		mg/L		104	75 - 125	0	20
Lithium	ND		0.0500	0.0507		mg/L		101	75 - 125	5	20
Molybdenum	ND		0.0500	0.0529		mg/L		106	75 - 125	2	20
Selenium	0.0014		0.0500	0.0489		mg/L		95	75 - 125	4	20

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-646886/9
Matrix: Water
Analysis Batch: 646886

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	0.070	mg/L			10/24/23 10:41	1

Lab Sample ID: LCS 400-646886/11
Matrix: Water
Analysis Batch: 646886

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	4.98		mg/L		100	90 - 110

Eurofins Pensacola

QC Sample Results

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

Job ID: 400-245391-1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: MRL 400-646886/10
Matrix: Water
Analysis Batch: 646886

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	0.0961	J	mg/L		96	50 - 150

Lab Sample ID: 560-113077-I-1 MS
Matrix: Water
Analysis Batch: 646886

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	5.8		0.100	5.85	4	mg/L		0	75 - 125

Lab Sample ID: 560-113077-I-1 MSD
Matrix: Water
Analysis Batch: 646886

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	5.8		0.100	6.09	4	mg/L		240	75 - 125	4	4



Eurofins Pensacola
3355 McLemore Ave
Pensacola, FL 32504
Phone 850-474-1001 Fax 850-478-2671

Chain of Custody Record

Sampler: Jacob Tracy
Lab PM: Whitmire, Cheyenne R
E-Mail: Cheyenne.Whitmire@eurofins.com

Client Information
Company: Geosyntec Consultants Inc
Address: 1255 Roberts Blvd NW Suite 200
City: Kennesaw
State: GA Zip: 30144
Phone: (678) 202 9564

Due Date Requested: STANDARD
TAT Requested (days):
Compliance Project: Yes No
Purchase Order not required

Project # 40007960
SSOW#
Site: CRISP COUNTY POWER

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Sealed, On-site, Grab)	Right Filtered Sample (Yes or No)	54500 CF E-CHEMTRA BARIUM	9315 Ra226, 9320 Ra228, Ra226Ra228 GFPC	54500 SP AS B BARIUM	54500 COBALT	54500 TOTAL DISSOLVED SOLIDS	1500 F.C. FLUORIDE	54500 SO4 E-SULFATE	LITHIUM	POLYBIPHENYLENE	CHROMIUM	SELENIUM	Total Number of Containers	Special Instructions/Note
MW-01-20231017	10/17/23	10:10	G	Water	M	X	X	X	X	X	X	X	X	X	X	X	1	PH = 8.10
MW-01-20231017	10/17/23	12:45	G	Water	M	X	X	X	X	X	X	X	X	X	X	X	1	PH = 7.10
MW-02-20231017	10/17/23	17:05	G	Water	M	X	X	X	X	X	X	X	X	X	X	X	1	PH = 7.06
MW-03-20231017	10/17/23	19:00	G	Water	M	X	X	X	X	X	X	X	X	X	X	X	1	PH = 7.10
FB-1-20231017	10/17/23	12:00	G	Water	M	X	X	X	X	X	X	X	X	X	X	X	1	JT
EB-1-20231018	10/18/23	8:00	G	Water	M	X	X	X	X	X	X	X	X	X	X	X	1	JT
DUP-21-20231017	10/17/23	12:00	G	Water	M	X	X	X	X	X	X	X	X	X	X	X	1	JT

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

Sample Disposal: Return To Client Disposal By Lab Archive For Months

Special Instructions/QC Requirements

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

Relinquished by: Date/Time: Company: Received by: Date/Time: Company:

Relinquished by: Date/Time: Company: Received by: Date/Time: Company:

Relinquished by: Date/Time: Company: Received by: Date/Time: Company:

Custody Seals Intact: Yes No
Custody Seal No: 20231017

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 400-245391-1

Login Number: 245391

List Source: Eurofins Pensacola

List Number: 1

Creator: Perez, Trina M

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.5°C, 0.0°C, 3.0°C, 0.0°C, 3.0°C IR-10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

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

Job ID: 400-245391-1

Laboratory: Eurofins Pensacola

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

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-24
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-24
California	State	2510	06-30-24
Florida	NELAP	E81010	06-30-24
Georgia	State	E81010(FL)	06-30-24
Illinois	NELAP	200041	10-09-24
Kansas	NELAP	E-10253	10-31-24
Kentucky (UST)	State	53	06-30-24
Louisiana (All)	NELAP	30976	06-30-24
Louisiana (DW)	State	LA017	12-31-23
North Carolina (WW/SW)	State	314	12-31-23
Oklahoma	NELAP	9810	08-31-24
Pennsylvania	NELAP	68-00467	01-31-24
South Carolina	State	96026	06-30-24
Tennessee	State	TN02907	06-30-24
Texas	NELAP	T104704286	09-30-24
US Fish & Wildlife	US Federal Programs	A22340	06-30-24
USDA	US Federal Programs	P330-21-00056	05-17-24
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-24
West Virginia DEP	State	136	03-31-24
West Virginia DEP	State	136	03-31-24



 **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
RADS

JOB NUMBER

400-245391-2

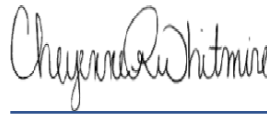
Eurofins Pensacola

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
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Method Summary

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

Job ID: 400-245391-2
SDG: RADS

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

Protocol References:

None = None

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

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

Laboratory References:

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

Sample Summary

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

Job ID: 400-245391-2
SDG: RADS

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-245391-1	MW-U1-20231017	Water	10/17/23 10:10	10/20/23 09:31
400-245391-2	MW-D1-20231017	Water	10/17/23 12:45	10/20/23 09:31
400-245391-3	MW-D2-20231017	Water	10/17/23 17:05	10/20/23 09:31
400-245391-4	MW-D3-20231017	Water	10/17/23 19:00	10/20/23 09:31
400-245391-5	FB-1-20231017	Water	10/17/23 12:00	10/20/23 09:31
400-245391-6	EB-1-20231017	Water	10/18/23 08:00	10/20/23 09:31
400-245391-7	DUP-21-20231017	Water	10/17/23 12:00	10/20/23 09:31

1

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12

Client Sample Results

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

Job ID: 400-245391-2
 SDG: RADS

Client Sample ID: MW-U1-20231017

Lab Sample ID: 400-245391-1

Date Collected: 10/17/23 10:10

Matrix: Water

Date Received: 10/20/23 09:31

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0130	U	0.0782	0.0782	1.00	0.157	pCi/L	10/27/23 10:41	11/28/23 09:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.8		30 - 110					10/27/23 10:41	11/28/23 09:42	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.589	U	0.452	0.455	1.00	0.702	pCi/L	10/27/23 10:45	11/17/23 14:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.8		30 - 110					10/27/23 10:45	11/17/23 14:58	1
Y Carrier	81.5		30 - 110					10/27/23 10:45	11/17/23 14:58	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	0.576	U	0.459	0.462	5.00	0.702	pCi/L		11/29/23 14:43	1

Client Sample Results

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

Job ID: 400-245391-2
 SDG: RADS

Client Sample ID: MW-D1-20231017

Lab Sample ID: 400-245391-2

Date Collected: 10/17/23 12:45

Matrix: Water

Date Received: 10/20/23 09:31

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00971	U	0.0749	0.0749	1.00	0.142	pCi/L	10/27/23 10:41	11/28/23 09:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.2		30 - 110					10/27/23 10:41	11/28/23 09:42	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	0.386	U	0.361	0.363	1.00	0.579	pCi/L	10/27/23 10:45	11/17/23 14:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.2		30 - 110					10/27/23 10:45	11/17/23 14:58	1
Y Carrier	87.5		30 - 110					10/27/23 10:45	11/17/23 14:58	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	0.396	U	0.369	0.371	5.00	0.579	pCi/L		11/29/23 14:43	1

Client Sample Results

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

Job ID: 400-245391-2
 SDG: RADS

Client Sample ID: MW-D2-20231017

Lab Sample ID: 400-245391-3

Date Collected: 10/17/23 17:05

Matrix: Water

Date Received: 10/20/23 09:31

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0468	U	0.0676	0.0678	1.00	0.115	pCi/L	10/27/23 10:41	11/28/23 09:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.2		30 - 110					10/27/23 10:41	11/28/23 09:39	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	0.421	U	0.343	0.345	1.00	0.530	pCi/L	10/27/23 10:45	11/17/23 14:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.2		30 - 110					10/27/23 10:45	11/17/23 14:58	1
Y Carrier	80.7		30 - 110					10/27/23 10:45	11/17/23 14:58	1

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.468	U	0.350	0.352	5.00	0.530	pCi/L		11/29/23 14:43	1

Client Sample Results

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

Job ID: 400-245391-2
 SDG: RADS

Client Sample ID: MW-D3-20231017

Lab Sample ID: 400-245391-4

Date Collected: 10/17/23 19:00

Matrix: Water

Date Received: 10/20/23 09:31

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0699	U	0.0698	0.0701	1.00	0.110	pCi/L	10/27/23 10:41	11/28/23 09:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.4		30 - 110					10/27/23 10:41	11/28/23 09:39	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	0.751		0.389	0.395	1.00	0.543	pCi/L	10/27/23 10:45	11/17/23 14:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.4		30 - 110					10/27/23 10:45	11/17/23 14:58	1
Y Carrier	80.7		30 - 110					10/27/23 10:45	11/17/23 14:58	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	0.821		0.395	0.401	5.00	0.543	pCi/L		11/29/23 14:43	1

Client Sample Results

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

Job ID: 400-245391-2
 SDG: RADS

Client Sample ID: FB-1-20231017

Lab Sample ID: 400-245391-5

Date Collected: 10/17/23 12:00

Matrix: Water

Date Received: 10/20/23 09:31

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0108	U	0.0524	0.0524	1.00	0.112	pCi/L	10/27/23 10:41	11/28/23 09:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.4		30 - 110					10/27/23 10:41	11/28/23 09:39	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	0.601		0.354	0.359	1.00	0.508	pCi/L	10/27/23 10:45	11/17/23 14:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.4		30 - 110					10/27/23 10:45	11/17/23 14:58	1
Y Carrier	82.6		30 - 110					10/27/23 10:45	11/17/23 14:58	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	0.590		0.358	0.363	5.00	0.508	pCi/L		11/29/23 14:43	1

Client Sample Results

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

Job ID: 400-245391-2
 SDG: RADS

Client Sample ID: EB-1-20231017

Lab Sample ID: 400-245391-6

Date Collected: 10/18/23 08:00

Matrix: Water

Date Received: 10/20/23 09:31

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0215	U	0.0536	0.0536	1.00	0.0996	pCi/L	10/27/23 10:41	11/28/23 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.7		30 - 110					10/27/23 10:41	11/28/23 11:54	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.205	U	0.303	0.304	1.00	0.513	pCi/L	10/27/23 10:45	11/17/23 14:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.7		30 - 110					10/27/23 10:45	11/17/23 14:59	1
Y Carrier	80.4		30 - 110					10/27/23 10:45	11/17/23 14:59	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	0.226	U	0.308	0.309	5.00	0.513	pCi/L		11/29/23 14:43	1

Client Sample Results

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

Job ID: 400-245391-2
 SDG: RADS

Client Sample ID: DUP-21-20231017

Lab Sample ID: 400-245391-7

Date Collected: 10/17/23 12:00

Matrix: Water

Date Received: 10/20/23 09:31

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0665	U	0.0781	0.0783	1.00	0.128	pCi/L	10/27/23 10:41	11/28/23 11:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.2		30 - 110					10/27/23 10:41	11/28/23 11:56	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	0.427	U	0.343	0.345	1.00	0.532	pCi/L	10/27/23 10:45	11/17/23 14:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.2		30 - 110					10/27/23 10:45	11/17/23 14:59	1
Y Carrier	78.5		30 - 110					10/27/23 10:45	11/17/23 14:59	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	0.493	U	0.352	0.354	5.00	0.532	pCi/L		11/29/23 14:43	1

Definitions/Glossary

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

Job ID: 400-245391-2
SDG: RADS

Qualifiers

Rad

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

Glossary

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

Lab Chronicle

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

Job ID: 400-245391-2
SDG: RADS

Client Sample ID: MW-U1-20231017

Lab Sample ID: 400-245391-1

Date Collected: 10/17/23 10:10

Matrix: Water

Date Received: 10/20/23 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			633893	KAC	EET SL	10/27/23 10:41
Total/NA	Analysis	9315		1	638569	FLC	EET SL	11/28/23 09:42
Total/NA	Prep	PrecSep_0			633894	KAC	EET SL	10/27/23 10:45
Total/NA	Analysis	9320		1	637274	FLC	EET SL	11/17/23 14:58
Total/NA	Analysis	Ra226_Ra228		1	638787	SCB	EET SL	11/29/23 14:43

Client Sample ID: MW-D1-20231017

Lab Sample ID: 400-245391-2

Date Collected: 10/17/23 12:45

Matrix: Water

Date Received: 10/20/23 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			633893	KAC	EET SL	10/27/23 10:41
Total/NA	Analysis	9315		1	638569	FLC	EET SL	11/28/23 09:42
Total/NA	Prep	PrecSep_0			633894	KAC	EET SL	10/27/23 10:45
Total/NA	Analysis	9320		1	637274	FLC	EET SL	11/17/23 14:58
Total/NA	Analysis	Ra226_Ra228		1	638787	SCB	EET SL	11/29/23 14:43

Client Sample ID: MW-D2-20231017

Lab Sample ID: 400-245391-3

Date Collected: 10/17/23 17:05

Matrix: Water

Date Received: 10/20/23 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			633893	KAC	EET SL	10/27/23 10:41
Total/NA	Analysis	9315		1	638568	FLC	EET SL	11/28/23 09:39
Total/NA	Prep	PrecSep_0			633894	KAC	EET SL	10/27/23 10:45
Total/NA	Analysis	9320		1	637274	FLC	EET SL	11/17/23 14:58
Total/NA	Analysis	Ra226_Ra228		1	638787	SCB	EET SL	11/29/23 14:43

Client Sample ID: MW-D3-20231017

Lab Sample ID: 400-245391-4

Date Collected: 10/17/23 19:00

Matrix: Water

Date Received: 10/20/23 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			633893	KAC	EET SL	10/27/23 10:41
Total/NA	Analysis	9315		1	638568	FLC	EET SL	11/28/23 09:39
Total/NA	Prep	PrecSep_0			633894	KAC	EET SL	10/27/23 10:45
Total/NA	Analysis	9320		1	637274	FLC	EET SL	11/17/23 14:58
Total/NA	Analysis	Ra226_Ra228		1	638787	SCB	EET SL	11/29/23 14:43

Lab Chronicle

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

Job ID: 400-245391-2
 SDG: RADS

Client Sample ID: FB-1-20231017

Lab Sample ID: 400-245391-5

Date Collected: 10/17/23 12:00

Matrix: Water

Date Received: 10/20/23 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			633893	KAC	EET SL	10/27/23 10:41
Total/NA	Analysis	9315		1	638568	FLC	EET SL	11/28/23 09:39
Total/NA	Prep	PrecSep_0			633894	KAC	EET SL	10/27/23 10:45
Total/NA	Analysis	9320		1	637274	FLC	EET SL	11/17/23 14:58
Total/NA	Analysis	Ra226_Ra228		1	638787	SCB	EET SL	11/29/23 14:43

Client Sample ID: EB-1-20231017

Lab Sample ID: 400-245391-6

Date Collected: 10/18/23 08:00

Matrix: Water

Date Received: 10/20/23 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			633893	KAC	EET SL	10/27/23 10:41
Total/NA	Analysis	9315		1	638434	FLC	EET SL	11/28/23 11:54
Total/NA	Prep	PrecSep_0			633894	KAC	EET SL	10/27/23 10:45
Total/NA	Analysis	9320		1	637274	FLC	EET SL	11/17/23 14:59
Total/NA	Analysis	Ra226_Ra228		1	638787	SCB	EET SL	11/29/23 14:43

Client Sample ID: DUP-21-20231017

Lab Sample ID: 400-245391-7

Date Collected: 10/17/23 12:00

Matrix: Water

Date Received: 10/20/23 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			633893	KAC	EET SL	10/27/23 10:41
Total/NA	Analysis	9315		1	638568	FLC	EET SL	11/28/23 11:56
Total/NA	Prep	PrecSep_0			633894	KAC	EET SL	10/27/23 10:45
Total/NA	Analysis	9320		1	637274	FLC	EET SL	11/17/23 14:59
Total/NA	Analysis	Ra226_Ra228		1	638787	SCB	EET SL	11/29/23 14:43

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: Crisp County Power

Job ID: 400-245391-2
SDG: RADS

Rad

Prep Batch: 633893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-245391-1	MW-U1-20231017	Total/NA	Water	PrecSep-21	
400-245391-2	MW-D1-20231017	Total/NA	Water	PrecSep-21	
400-245391-3	MW-D2-20231017	Total/NA	Water	PrecSep-21	
400-245391-4	MW-D3-20231017	Total/NA	Water	PrecSep-21	
400-245391-5	FB-1-20231017	Total/NA	Water	PrecSep-21	
400-245391-6	EB-1-20231017	Total/NA	Water	PrecSep-21	
400-245391-7	DUP-21-20231017	Total/NA	Water	PrecSep-21	
MB 160-633893/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-633893/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
180-164215-C-13-A DU	Duplicate	Total/NA	Water	PrecSep-21	

Prep Batch: 633894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-245391-1	MW-U1-20231017	Total/NA	Water	PrecSep_0	
400-245391-2	MW-D1-20231017	Total/NA	Water	PrecSep_0	
400-245391-3	MW-D2-20231017	Total/NA	Water	PrecSep_0	
400-245391-4	MW-D3-20231017	Total/NA	Water	PrecSep_0	
400-245391-5	FB-1-20231017	Total/NA	Water	PrecSep_0	
400-245391-6	EB-1-20231017	Total/NA	Water	PrecSep_0	
400-245391-7	DUP-21-20231017	Total/NA	Water	PrecSep_0	
MB 160-633894/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-633894/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
180-164215-C-13-B DU	Duplicate	Total/NA	Water	PrecSep_0	

QC Sample Results

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

Job ID: 400-245391-2
SDG: RADS

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-633893/1-A
Matrix: Water
Analysis Batch: 638434

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 633893

Analyte	MB MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	-0.03642	U	0.0381	0.0382	1.00	0.104	pCi/L	10/27/23 10:41	11/28/23 09:33	1
Carrier	MB MB		Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	%Yield	Qualifier						Prepared	Analyzed	Dil Fac
Ba Carrier	89.9		30 - 110					10/27/23 10:41	11/28/23 09:33	1

Lab Sample ID: LCS 160-633893/2-A
Matrix: Water
Analysis Batch: 638434

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 633893

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	11.51		1.18	1.00	0.0974	pCi/L	102	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	94.0								

Lab Sample ID: 180-164215-C-13-A DU
Matrix: Water
Analysis Batch: 638434

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 633893

Analyte	Sample Sample		DU	DU	Total	RL	MDC	Unit	RER	RER	
	Result	Qual	Result	Qual	Uncert. (2σ+/-)					Limit	
Radium-226	0.0417	U	-0.01024	U	0.0325	1.00	0.0805	pCi/L		0.59	1
Carrier	DU %Yield	DU Qualifier	Limits								
Ba Carrier	98.5										30 - 110

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-633894/1-A
Matrix: Water
Analysis Batch: 637413

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 633894

Analyte	MB MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	0.1864	U	0.281	0.281	1.00	0.477	pCi/L	10/27/23 10:45	11/17/23 15:01	1
Carrier	MB MB		Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	%Yield	Qualifier						Prepared	Analyzed	Dil Fac
Ba Carrier	89.9		30 - 110					10/27/23 10:45	11/17/23 15:01	1
Y Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Y Carrier	81.5							30 - 110		

QC Sample Results

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

Job ID: 400-245391-2
 SDG: RADS

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

Lab Sample ID: LCS 160-633894/2-A
Matrix: Water
Analysis Batch: 637413

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 633894

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	
Radium-228	7.71	6.803		1.00	1.00	0.435	pCi/L	88	75 - 125	
LCS LCS										
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	94.0		30 - 110							
Y Carrier	82.6		30 - 110							

Lab Sample ID: 180-164215-C-13-B DU
Matrix: Water
Analysis Batch: 637274

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 633894

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	0.00404	U	0.3491	U	0.315	1.00	0.496	pCi/L	0.61	1
DU DU										
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	98.5		30 - 110							
Y Carrier	81.5		30 - 110							



Client Information
 Sampler: **Jacob Tracy** Lab PM: **Whitmore, Cheyenne R**
 Phone: _____ E-Mail: **Cheyenne Whitmore@eurofins.com**

Company: **Geosyntec Consultants Inc** PWSID: _____
 Address: **1255 Roberts Blvd NW Suite 200**
 City: **Kennesaw**
 State: **GA** Zip: **30144**
 Phone: **(678) 202 9564**

Project Name: **Crisp County CCR** Project #: **40007960**
 Site: **Crisp County Power** SSOW#: _____

Due Date Requested: _____
 TAT Requested (days): **STANDARD**
 Compliance Project: Yes No
 Purchase Order not required: Yes No

PO #: _____
 WO #: _____

Company Email: **dylfru@geosyntec.com**

Matrix: _____

Sample Type: **G** (C=comp, G=grab) Matrix (Water, Sewage, Stormwater, Other): _____

Sample Time: _____

Sample Date: _____

Right Filtered Sample (Yes or No): No

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	54500 Cl E - Chromium	9315, Ra226, 9320, Ra228, Ra228Ra226, GPC	54500 Cl E - Barium	9315, Ra226, 9320, Ra228, Ra228Ra226, GPC	54500 Cl E - Cobalt	9315, Ra226, 9320, Ra228, Ra228Ra226, GPC	54500 Cl E - Selenium	9315, Ra226, 9320, Ra228, Ra228Ra226, GPC	54500 Cl E - Lithium	9315, Ra226, 9320, Ra228, Ra228Ra226, GPC	54500 Cl E - Selenium	9315, Ra226, 9320, Ra228, Ra228Ra226, GPC
MW-U1-20231017	10/17/23	10:10	G	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MW-D1-20231017	10/17/23	12:45	G	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MW-D2-20231017	10/17/23	17:05	G	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MW-D3-20231017	10/17/23	19:00	G	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
FB-1-20231017	10/17/23	12:00	G	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
EB-1-20231018	10/18/23	8:00	G	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DUP-21-20231017	10/17/23	12:00	G	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Special Instructions/Note:
 PH = 8.10
 PH = 7.10
 PH = 7.06
 PH = 7.10
JT

Analysis Requested:
 Cobalt
 Barium
 Lithium
 Selenium
 Chromium
 Molybdenum

Preservation Codes:
 A - HCL
 B - NaOH
 C - Zn Acetate
 D - Nitric Acid
 E - NaHSO4
 F - MeOH
 G - Amchlor
 H - Ascorbic Acid
 I - Ice
 J - DI Water
 K - EDTA
 L - EDTA
 Y - Trizma
 Z - other (specify)

Possible Hazard Identification:
 Non-Hazard
 Flammable
 Skin Irritant
 Poison B
 Unknown
 Radiological
 Other (specify)

Deliverable Requested: I, II, III, IV

Empty Kit Relinquished by: _____ Date: _____
 Relinquished by: _____ Date/Time: _____
 Relinquished by: _____ Date/Time: _____
 Relinquished by: _____ Date/Time: _____

Method of Shipment:
 Date/Time: **10/20/23 9:31**
 Date/Time: _____
 Date/Time: _____

Company: **REAS**
 Company: _____
 Company: _____

Relinquished by: _____ Date/Time: _____
 Relinquished by: _____ Date/Time: _____
 Relinquished by: _____ Date/Time: _____

Custody Seal No: _____
 Δ Yes Δ No

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

Special Instructions/QC Requirements: _____

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 400-245391-2

SDG Number: RADS

Login Number: 245391

List Number: 1

Creator: Perez, Trina M

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.5°C, 0.0°C, 3.0°C, 0.0°C, 3.0°C IR-10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 400-245391-2

SDG Number: RADS

Login Number: 245391

List Number: 2

Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

List Creation: 10/24/23 02:30 PM

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

Accreditation/Certification Summary

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

Job ID: 400-245391-2
 SDG: RADS

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-06-25
ANAB	ISO/IEC 17025	L2305	04-06-25
Arizona	State	AZ0813	12-08-23
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-24
Connecticut	State	PH-0241	03-31-25
Florida	NELAP	E87689	06-30-24
HI - RadChem Recognition	State	n/a	06-30-24
Illinois	NELAP	200023	11-30-24
Iowa	State	373	12-01-24
Kansas	NELAP	E-10236	10-31-24
Kentucky (DW)	State	KY90125	12-31-23
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-23
Louisiana	NELAP	04080	06-30-22 *
Louisiana (All)	NELAP	04080	06-30-24
Louisiana (DW)	State	LA011	12-31-23
Maryland	State	310	09-30-24
Massachusetts	State	M-MO054	06-30-24
MI - RadChem Recognition	State	9005	06-30-24
Missouri	State	780	06-30-25
Nevada	State	MO000542020-1	07-31-24
New Jersey	NELAP	MO002	06-30-24
New Mexico	State	MO00054	06-30-24
New York	NELAP	11616	03-31-24
North Carolina (DW)	State	29700	07-31-24
North Dakota	State	R-207	06-30-24
Oklahoma	NELAP	9997	08-31-24
Oregon	NELAP	4157	09-01-24
Pennsylvania	NELAP	68-00540	02-28-24
South Carolina	State	85002001	06-30-24
Texas	NELAP	T104704193	07-31-24
US Fish & Wildlife	US Federal Programs	058448	07-31-24
USDA	US Federal Programs	P330-17-00028	05-18-26
Utah	NELAP	MO000542021-14	07-31-24
Virginia	NELAP	10310	06-15-25
Washington	State	C592	08-30-24
West Virginia DEP	State	381	12-31-23

* 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 11/14/2023 9:14:28 PM

JOB DESCRIPTION

Crisp County Power

JOB NUMBER

400-245391-3

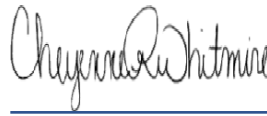
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Job Notes

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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.

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Case Narrative

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

Job ID: 400-245391-3

Job ID: 400-245391-3

Laboratory: Eurofins Pensacola

Narrative

Job Narrative 400-245391-3

Receipt

The samples were received on 10/20/2023 9:31 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 0.0° C, 0.0° C, 2.5° C, 3.0° C and 3.0° C.

General Chemistry

Method SM 2540C: The following samples were activated outside of the method holding time per client request: MW-U1-20231017 (400-245391-1), MW-D1-20231017 (400-245391-2), MW-D2-20231017 (400-245391-3), MW-D3-20231017 (400-245391-4), FB-1-20231017 (400-245391-5), EB-1-20231017 (400-245391-6), DUP-21-20231017 (400-245391-7) and (400-245391-A-6 DU).

Method SM 4500 SO4 E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-649858 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.



Detection Summary

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

Job ID: 400-245391-3

Client Sample ID: MW-U1-20231017

Lab Sample ID: 400-245391-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	110	H	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
Sulfate	2.0	J	5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA

Client Sample ID: MW-D1-20231017

Lab Sample ID: 400-245391-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	220	H	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
Sulfate	24		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA

Client Sample ID: MW-D2-20231017

Lab Sample ID: 400-245391-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	360	H	5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	2.2		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	16		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA

Client Sample ID: MW-D3-20231017

Lab Sample ID: 400-245391-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	260	H	5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	2.0		2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA
Sulfate	27		5.0	1.4	mg/L	1		SM 4500 SO4 E	Total/NA

Client Sample ID: FB-1-20231017

Lab Sample ID: 400-245391-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1.9	J	2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: EB-1-20231017

Lab Sample ID: 400-245391-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1.6	J	2.0	1.4	mg/L	1		SM 4500 Cl- E	Total/NA

Client Sample ID: DUP-21-20231017

Lab Sample ID: 400-245391-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	370	H	5.0	5.0	mg/L	1		SM 2540C	Total/NA
Chloride	1.7	J	2.0	1.4	mg/L	1		SM 4500 Cl- E	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.

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Method Summary

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

Job ID: 400-245391-3

Method	Method Description	Protocol	Laboratory
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PEN
SM 4500 Cl- E	Chloride, Total	SM	EET PEN
SM 4500 SO4 E	Sulfate, Total	SM	EET PEN

Protocol References:

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

Laboratory References:

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

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Sample Summary

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

Job ID: 400-245391-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-245391-1	MW-U1-20231017	Water	10/17/23 10:10	10/20/23 09:31
400-245391-2	MW-D1-20231017	Water	10/17/23 12:45	10/20/23 09:31
400-245391-3	MW-D2-20231017	Water	10/17/23 17:05	10/20/23 09:31
400-245391-4	MW-D3-20231017	Water	10/17/23 19:00	10/20/23 09:31
400-245391-5	FB-1-20231017	Water	10/17/23 12:00	10/20/23 09:31
400-245391-6	EB-1-20231017	Water	10/18/23 08:00	10/20/23 09:31
400-245391-7	DUP-21-20231017	Water	10/17/23 12:00	10/20/23 09:31

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Client Sample Results

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

Job ID: 400-245391-3

Client Sample ID: MW-U1-20231017

Lab Sample ID: 400-245391-1

Date Collected: 10/17/23 10:10

Matrix: Water

Date Received: 10/20/23 09:31

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	110	H	5.0	5.0	mg/L			11/08/23 23:57	1
Chloride (SM 4500 Cl- E)	1.9	J	2.0	1.4	mg/L			11/12/23 16:45	1
Sulfate (SM 4500 SO4 E)	2.0	J	5.0	1.4	mg/L			11/12/23 12:45	1

Client Sample Results

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

Job ID: 400-245391-3

Client Sample ID: MW-D1-20231017

Lab Sample ID: 400-245391-2

Date Collected: 10/17/23 12:45

Matrix: Water

Date Received: 10/20/23 09:31

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	220	H	5.0	5.0	mg/L			11/08/23 23:57	1
Chloride (SM 4500 Cl- E)	1.9	J	2.0	1.4	mg/L			11/12/23 16:47	1
Sulfate (SM 4500 SO4 E)	24		5.0	1.4	mg/L			11/12/23 12:46	1

Client Sample Results

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

Job ID: 400-245391-3

Client Sample ID: MW-D2-20231017

Lab Sample ID: 400-245391-3

Date Collected: 10/17/23 17:05

Matrix: Water

Date Received: 10/20/23 09:31

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	360	H	5.0	5.0	mg/L			11/08/23 23:57	1
Chloride (SM 4500 Cl- E)	2.2		2.0	1.4	mg/L			11/12/23 16:47	1
Sulfate (SM 4500 SO4 E)	16		5.0	1.4	mg/L			11/12/23 12:48	1

Client Sample Results

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

Job ID: 400-245391-3

Client Sample ID: MW-D3-20231017

Lab Sample ID: 400-245391-4

Date Collected: 10/17/23 19:00

Matrix: Water

Date Received: 10/20/23 09:31

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	260	H	5.0	5.0	mg/L			11/08/23 23:57	1
Chloride (SM 4500 Cl- E)	2.0		2.0	1.4	mg/L			11/12/23 16:48	1
Sulfate (SM 4500 SO4 E)	27		5.0	1.4	mg/L			11/12/23 12:48	1

Client Sample Results

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

Job ID: 400-245391-3

Client Sample ID: FB-1-20231017

Lab Sample ID: 400-245391-5

Date Collected: 10/17/23 12:00

Matrix: Water

Date Received: 10/20/23 09:31

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	ND	H	5.0	5.0	mg/L			11/08/23 23:57	1
Chloride (SM 4500 Cl- E)	1.9	J	2.0	1.4	mg/L			11/12/23 16:48	1
Sulfate (SM 4500 SO4 E)	ND		5.0	1.4	mg/L			11/12/23 12:49	1

Client Sample Results

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

Job ID: 400-245391-3

Client Sample ID: EB-1-20231017

Lab Sample ID: 400-245391-6

Date Collected: 10/18/23 08:00

Matrix: Water

Date Received: 10/20/23 09:31

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	ND	H	5.0	5.0	mg/L			11/08/23 23:57	1
Chloride (SM 4500 Cl- E)	1.6	J	2.0	1.4	mg/L			11/12/23 16:49	1
Sulfate (SM 4500 SO4 E)	ND		5.0	1.4	mg/L			11/12/23 12:49	1

Client Sample Results

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

Job ID: 400-245391-3

Client Sample ID: DUP-21-20231017

Lab Sample ID: 400-245391-7

Date Collected: 10/17/23 12:00

Matrix: Water

Date Received: 10/20/23 09:31

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	370	H	5.0	5.0	mg/L			11/08/23 23:58	1
Chloride (SM 4500 Cl- E)	1.7	J	2.0	1.4	mg/L			11/12/23 16:49	1
Sulfate (SM 4500 SO4 E)	16		5.0	1.4	mg/L			11/12/23 12:49	1

Definitions/Glossary

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

Job ID: 400-245391-3

Qualifiers

General Chemistry

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

Lab Chronicle

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

Job ID: 400-245391-3

Client Sample ID: MW-U1-20231017

Lab Sample ID: 400-245391-1

Date Collected: 10/17/23 10:10

Matrix: Water

Date Received: 10/20/23 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 2540C		1	649173	HA	EET PEN	11/08/23 23:57
Total/NA	Analysis	SM 4500 CI- E		1	649855	CJK	EET PEN	11/12/23 16:45
Total/NA	Analysis	SM 4500 SO4 E		1	649858	CJK	EET PEN	11/12/23 12:45

Client Sample ID: MW-D1-20231017

Lab Sample ID: 400-245391-2

Date Collected: 10/17/23 12:45

Matrix: Water

Date Received: 10/20/23 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 2540C		1	649173	HA	EET PEN	11/08/23 23:57
Total/NA	Analysis	SM 4500 CI- E		1	649855	CJK	EET PEN	11/12/23 16:47
Total/NA	Analysis	SM 4500 SO4 E		1	649858	CJK	EET PEN	11/12/23 12:46

Client Sample ID: MW-D2-20231017

Lab Sample ID: 400-245391-3

Date Collected: 10/17/23 17:05

Matrix: Water

Date Received: 10/20/23 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 2540C		1	649173	HA	EET PEN	11/08/23 23:57
Total/NA	Analysis	SM 4500 CI- E		1	649855	CJK	EET PEN	11/12/23 16:47
Total/NA	Analysis	SM 4500 SO4 E		1	649858	CJK	EET PEN	11/12/23 12:48

Client Sample ID: MW-D3-20231017

Lab Sample ID: 400-245391-4

Date Collected: 10/17/23 19:00

Matrix: Water

Date Received: 10/20/23 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 2540C		1	649173	HA	EET PEN	11/08/23 23:57
Total/NA	Analysis	SM 4500 CI- E		1	649855	CJK	EET PEN	11/12/23 16:48
Total/NA	Analysis	SM 4500 SO4 E		1	649858	CJK	EET PEN	11/12/23 12:48

Client Sample ID: FB-1-20231017

Lab Sample ID: 400-245391-5

Date Collected: 10/17/23 12:00

Matrix: Water

Date Received: 10/20/23 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 2540C		1	649173	HA	EET PEN	11/08/23 23:57
Total/NA	Analysis	SM 4500 CI- E		1	649855	CJK	EET PEN	11/12/23 16:48
Total/NA	Analysis	SM 4500 SO4 E		1	649858	CJK	EET PEN	11/12/23 12:49

Lab Chronicle

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

Job ID: 400-245391-3

Client Sample ID: EB-1-20231017

Lab Sample ID: 400-245391-6

Date Collected: 10/18/23 08:00

Matrix: Water

Date Received: 10/20/23 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 2540C		1	649173	HA	EET PEN	11/08/23 23:57
Total/NA	Analysis	SM 4500 Cl- E		1	649855	CJK	EET PEN	11/12/23 16:49
Total/NA	Analysis	SM 4500 SO4 E		1	649858	CJK	EET PEN	11/12/23 12:49

Client Sample ID: DUP-21-20231017

Lab Sample ID: 400-245391-7

Date Collected: 10/17/23 12:00

Matrix: Water

Date Received: 10/20/23 09:31

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 2540C		1	649173	HA	EET PEN	11/08/23 23:58
Total/NA	Analysis	SM 4500 Cl- E		1	649855	CJK	EET PEN	11/12/23 16:49
Total/NA	Analysis	SM 4500 SO4 E		1	649858	CJK	EET PEN	11/12/23 12:49

Laboratory References:

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

QC Association Summary

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

Job ID: 400-245391-3

General Chemistry

Analysis Batch: 649173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-245391-1	MW-U1-20231017	Total/NA	Water	SM 2540C	
400-245391-2	MW-D1-20231017	Total/NA	Water	SM 2540C	
400-245391-3	MW-D2-20231017	Total/NA	Water	SM 2540C	
400-245391-4	MW-D3-20231017	Total/NA	Water	SM 2540C	
400-245391-5	FB-1-20231017	Total/NA	Water	SM 2540C	
400-245391-6	EB-1-20231017	Total/NA	Water	SM 2540C	
400-245391-7	DUP-21-20231017	Total/NA	Water	SM 2540C	
MB 400-649173/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-649173/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-245391-6 DU	EB-1-20231017	Total/NA	Water	SM 2540C	
400-246194-B-1 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 649855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-245391-1	MW-U1-20231017	Total/NA	Water	SM 4500 Cl- E	
400-245391-2	MW-D1-20231017	Total/NA	Water	SM 4500 Cl- E	
400-245391-3	MW-D2-20231017	Total/NA	Water	SM 4500 Cl- E	
400-245391-4	MW-D3-20231017	Total/NA	Water	SM 4500 Cl- E	
400-245391-5	FB-1-20231017	Total/NA	Water	SM 4500 Cl- E	
400-245391-6	EB-1-20231017	Total/NA	Water	SM 4500 Cl- E	
400-245391-7	DUP-21-20231017	Total/NA	Water	SM 4500 Cl- E	
MB 400-649855/8	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 400-649855/9	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MRL 400-649855/10	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
400-245391-1 MS	MW-U1-20231017	Total/NA	Water	SM 4500 Cl- E	
400-245391-1 MSD	MW-U1-20231017	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 649858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-245391-1	MW-U1-20231017	Total/NA	Water	SM 4500 SO4 E	
400-245391-2	MW-D1-20231017	Total/NA	Water	SM 4500 SO4 E	
400-245391-3	MW-D2-20231017	Total/NA	Water	SM 4500 SO4 E	
400-245391-4	MW-D3-20231017	Total/NA	Water	SM 4500 SO4 E	
400-245391-5	FB-1-20231017	Total/NA	Water	SM 4500 SO4 E	
400-245391-6	EB-1-20231017	Total/NA	Water	SM 4500 SO4 E	
400-245391-7	DUP-21-20231017	Total/NA	Water	SM 4500 SO4 E	
MB 400-649858/12	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 400-649858/13	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MRL 400-649858/14	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
400-245391-2 MS	MW-D1-20231017	Total/NA	Water	SM 4500 SO4 E	
400-245391-2 MSD	MW-D1-20231017	Total/NA	Water	SM 4500 SO4 E	

QC Sample Results

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

Job ID: 400-245391-3

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

Lab Sample ID: MB 400-649173/1
Matrix: Water
Analysis Batch: 649173

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			11/08/23 02:36	1

Lab Sample ID: LCS 400-649173/2
Matrix: Water
Analysis Batch: 649173

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	294		mg/L		100	78 - 122

Lab Sample ID: 400-245391-6 DU
Matrix: Water
Analysis Batch: 649173

Client Sample ID: EB-1-20231017
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	ND	H	ND		mg/L		NC	5

Lab Sample ID: 400-246194-B-1 DU
Matrix: Water
Analysis Batch: 649173

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	7200		7020		mg/L		2	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 400-649855/8
Matrix: Water
Analysis Batch: 649855

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			11/12/23 16:43	1

Lab Sample ID: LCS 400-649855/9
Matrix: Water
Analysis Batch: 649855

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	45.6		mg/L		91	90 - 110

Lab Sample ID: MRL 400-649855/10
Matrix: Water
Analysis Batch: 649855

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	1.76	J	mg/L		88	50 - 150

QC Sample Results

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

Job ID: 400-245391-3

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

Lab Sample ID: 400-245391-1 MS
Matrix: Water
Analysis Batch: 649855

Client Sample ID: MW-U1-20231017
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1.9	J	10.0	13.2		mg/L		112	73 - 120

Lab Sample ID: 400-245391-1 MSD
Matrix: Water
Analysis Batch: 649855

Client Sample ID: MW-U1-20231017
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	10.0	13.5		mg/L		115	73 - 120	2	8

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-649858/12
Matrix: Water
Analysis Batch: 649858

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			11/12/23 11:50	1

Lab Sample ID: LCS 400-649858/13
Matrix: Water
Analysis Batch: 649858

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	15.0	16.2		mg/L		108	90 - 110

Lab Sample ID: MRL 400-649858/14
Matrix: Water
Analysis Batch: 649858

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	5.00	2.77	J	mg/L		55	50 - 150

Lab Sample ID: 400-245391-2 MS
Matrix: Water
Analysis Batch: 649858

Client Sample ID: MW-D1-20231017
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	24		10.0	32.2		mg/L		80	77 - 128

Lab Sample ID: 400-245391-2 MSD
Matrix: Water
Analysis Batch: 649858

Client Sample ID: MW-D1-20231017
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	24		10.0	32.4		mg/L		81	77 - 128	0	5

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 400-245391-3

Login Number: 245391

List Source: Eurofins Pensacola

List Number: 1

Creator: Perez, Trina M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.5°C, 0.0°C, 3.0°C, 0.0°C, 3.0°C IR-10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

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

Job ID: 400-245391-3

Laboratory: Eurofins Pensacola

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

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-24
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-24
California	State	2510	06-30-24
Florida	NELAP	E81010	06-30-24
Georgia	State	E81010(FL)	06-30-24
Illinois	NELAP	200041	10-09-24
Kansas	NELAP	E-10253	10-31-24
Kentucky (UST)	State	53	06-30-24
Louisiana (All)	NELAP	30976	06-30-24
Louisiana (DW)	State	LA017	12-31-23
North Carolina (WW/SW)	State	314	12-31-23
Oklahoma	NELAP	9810	08-31-24
Pennsylvania	NELAP	68-00467	01-31-24
South Carolina	State	96026	06-30-24
Tennessee	State	TN02907	06-30-24
Texas	NELAP	T104704286	09-30-24
US Fish & Wildlife	US Federal Programs	A22340	06-30-24
USDA	US Federal Programs	P330-21-00056	05-17-24
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-24
West Virginia DEP	State	136	03-31-24
West Virginia DEP	State	136	03-31-24

APPENDIX C

Statistical Analysis Reports

April 2023

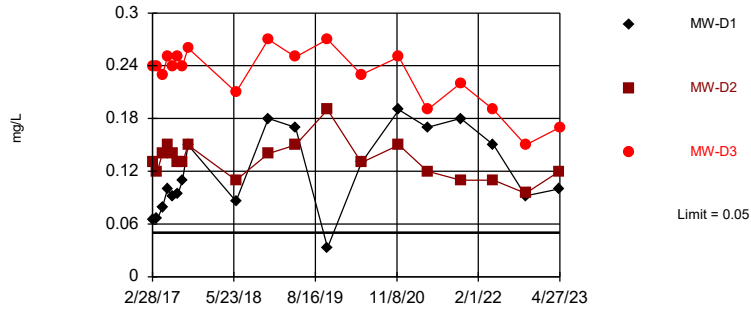
Prediction Limit

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10 Printed 7/8/2023, 8:05 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower 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>
Boron (mg/L)	MW-D1	0.05	n/a	4/26/2023	0.1	Yes	21	71.43	n/a	0.003862	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-D2	0.05	n/a	4/26/2023	0.12	Yes	21	71.43	n/a	0.003862	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-D3	0.05	n/a	4/27/2023	0.17	Yes	21	71.43	n/a	0.003862	NP Inter (NDs) 1 of 2
Calcium (mg/L)	MW-D1	39.53	n/a	4/26/2023	68	Yes	20	0	No	0.002505	Param Inter 1 of 2
Calcium (mg/L)	MW-D2	39.53	n/a	4/26/2023	130	Yes	20	0	No	0.002505	Param Inter 1 of 2
Calcium (mg/L)	MW-D3	39.53	n/a	4/27/2023	87	Yes	20	0	No	0.002505	Param Inter 1 of 2
Chloride (mg/L)	MW-D1	9.8	n/a	4/26/2023	4.1	No	20	5	n/a	0.004138	NP Inter (normality) ...
Chloride (mg/L)	MW-D2	9.8	n/a	4/26/2023	3	No	20	5	n/a	0.004138	NP Inter (normality) ...
Chloride (mg/L)	MW-D3	9.8	n/a	4/27/2023	2.6	No	20	5	n/a	0.004138	NP Inter (normality) ...
Field pH (SU)	MW-D1	9.355	5.789	4/26/2023	7.09	No	21	0	No	0.001253	Param Inter 1 of 2
Field pH (SU)	MW-D2	9.355	5.789	4/26/2023	6.78	No	21	0	No	0.001253	Param Inter 1 of 2
Field pH (SU)	MW-D3	9.355	5.789	4/27/2023	6.56	No	21	0	No	0.001253	Param Inter 1 of 2
Fluoride (mg/L)	MW-D1	0.1006	n/a	4/26/2023	0.083J	No	21	14.29	ln(x)	0.002505	Param Inter 1 of 2
Fluoride (mg/L)	MW-D2	0.1006	n/a	4/26/2023	0.05ND	No	21	14.29	ln(x)	0.002505	Param Inter 1 of 2
Fluoride (mg/L)	MW-D3	0.1006	n/a	4/27/2023	0.12	Yes	21	14.29	ln(x)	0.002505	Param Inter 1 of 2
Sulfate (mg/L)	MW-D1	8.867	n/a	4/26/2023	26	Yes	20	10	n/a	0.004138	NP Inter (normality) ...
Sulfate (mg/L)	MW-D2	8.867	n/a	4/26/2023	14	Yes	20	10	n/a	0.004138	NP Inter (normality) ...
Sulfate (mg/L)	MW-D3	8.867	n/a	4/27/2023	28	Yes	20	10	n/a	0.004138	NP Inter (normality) ...
Total Dissolved Solids (mg/L)	MW-D1	142.5	n/a	4/26/2023	200	Yes	20	0	No	0.002505	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	MW-D2	142.5	n/a	4/26/2023	370	Yes	20	0	No	0.002505	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	MW-D3	142.5	n/a	4/27/2023	270	Yes	20	0	No	0.002505	Param Inter 1 of 2

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

Prediction Limit
Interwell Non-parametric

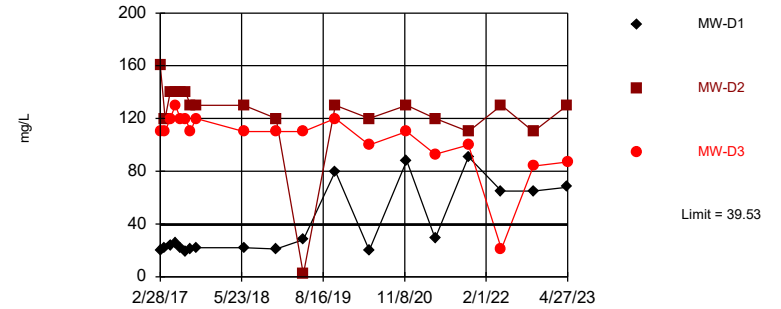


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 71.43% NDs. Annual per-constituent alpha = 0.02295. Individual comparison alpha = 0.003862 (1 of 2). Comparing 3 points to limit. Seasonality was not detected with 95% confidence.

Constituent: Boron Analysis Run 6/13/2023 10:58 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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

Prediction Limit
Interwell Parametric

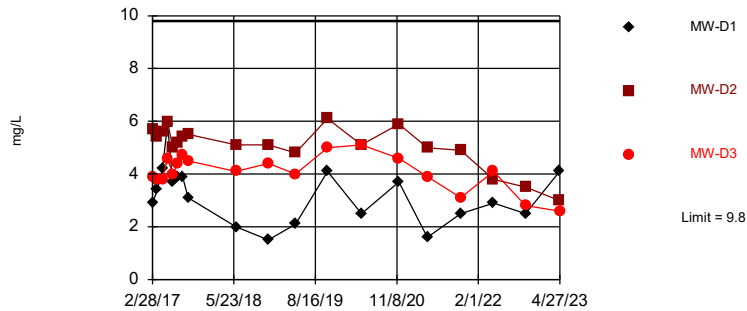


Background Data Summary: Mean=34.8, Std. Dev.=2.505, n=20. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9621, critical = 0.868. Kappa = 1.888 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.002505. Comparing 3 points to limit.

Constituent: Calcium Analysis Run 6/13/2023 10:58 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Within Limit

Prediction Limit
Interwell Non-parametric

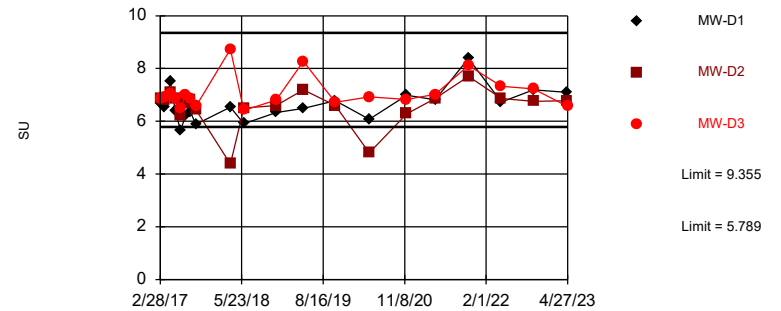


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 5% NDs. Annual per-constituent alpha = 0.02457. Individual comparison alpha = 0.004138 (1 of 2). Comparing 3 points to limit. Seasonality was not detected with 95% confidence.

Constituent: Chloride Analysis Run 6/13/2023 10:58 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Within Limits

Prediction Limit
Interwell Parametric



Background Data Summary: Mean=7.572, Std. Dev.=0.9498, n=21. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8747, critical = 0.873. Kappa = 1.877 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.001253. Comparing 3 points to limit.

Constituent: Field pH Analysis Run 6/13/2023 10:58 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 6/13/2023 11:01 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 6/13/2023 11:01 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 6/13/2023 11:01 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

	MW-D1	MW-U1 (bg)	MW-D2	MW-D3
2/28/2017	2.9	2.2	5.7 (F1)	3.9
3/27/2017	3.4	2.1	5.4	3.8
4/24/2017	4.2	1.8 (J)	5.6	3.8
5/22/2017	5.9	2.6	6	4.6
6/19/2017	3.7	1.9 (J)	5	4
7/17/2017	3.9	2.2	5.2	4.4
8/14/2017	3.9	2	5.4	4.7
9/13/2017	3.1	2.2	5.5	4.5
6/5/2018	2	1.8 (J)	5.1	4.1
11/29/2018	1.5 (J)	1.7 (J)	5.1	4.4
4/29/2019	2.1	1.4 (J)	4.8	4
10/23/2019	4.1	9.8 (D)	6.1	5
4/27/2020	2.5	2.4	5.1	5.1
11/19/2020	3.7	2.4	5.9	4.6
4/26/2021	1.6 (J)	9.5 (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

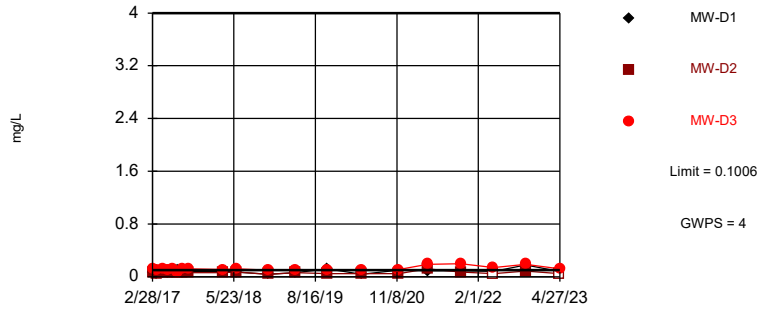
Prediction Limit

Constituent: Field pH (SU) Analysis Run 6/13/2023 11:01 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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

Exceeds Limit: MW-D3

Prediction Limit
 Interwell Parametric

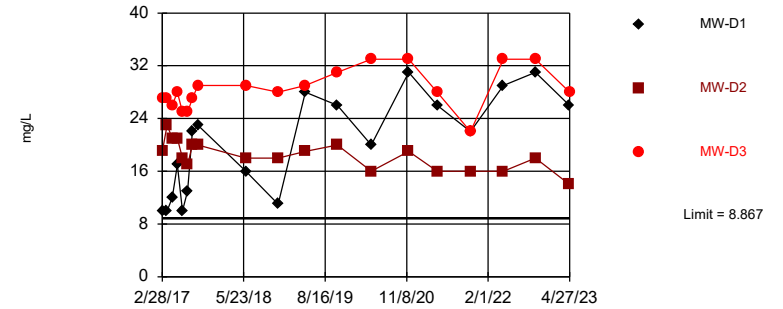


Background Data Summary (based on natural log transformation): Mean=-2.812, Std. Dev.=0.2747, n=21, 14.29% NDs. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8866, critical = 0.873. Kappa = 1.877 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.002505. Comparing 3 points to limit.

Constituent: Fluoride Analysis Run 6/13/2023 10:59 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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

Prediction Limit
 Interwell Non-parametric

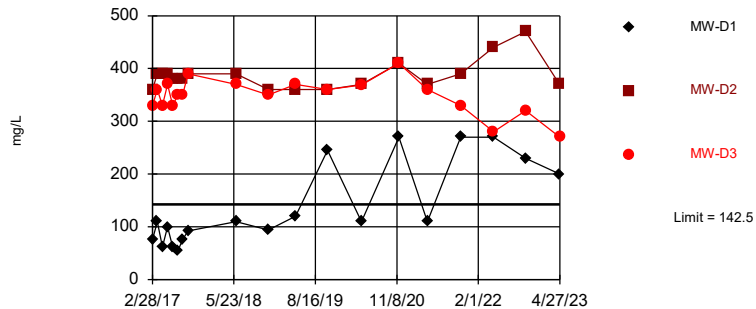


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 10% NDs. Annual per-constituent alpha = 0.02457. Individual comparison alpha = 0.004138 (1 of 2). Comparing 3 points to limit. Seasonality was not detected with 95% confidence.

Constituent: Sulfate Analysis Run 6/13/2023 10:59 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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

Prediction Limit
 Interwell Parametric



Background Data Summary: Mean=100.4, Std. Dev.=22.29, n=20. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9357, critical = 0.868. Kappa = 1.888 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.002505. Comparing 3 points to limit.

Constituent: Total Dissolved Solids Analysis Run 6/13/2023 10:59 AM View: Sanitas Statistics Events 1 through 10
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 6/13/2023 11:02 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/13/2023 11:02 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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

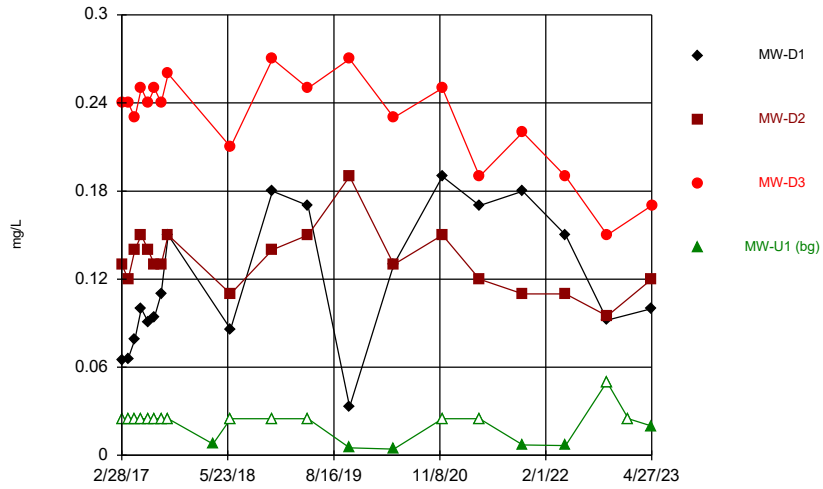
Prediction Limit

Constituent: T Total Dissolved Solids (mg/L) Analysis Run 6/13/2023 11:02 AM View: Sanitas Statistics Events 1 through 20

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

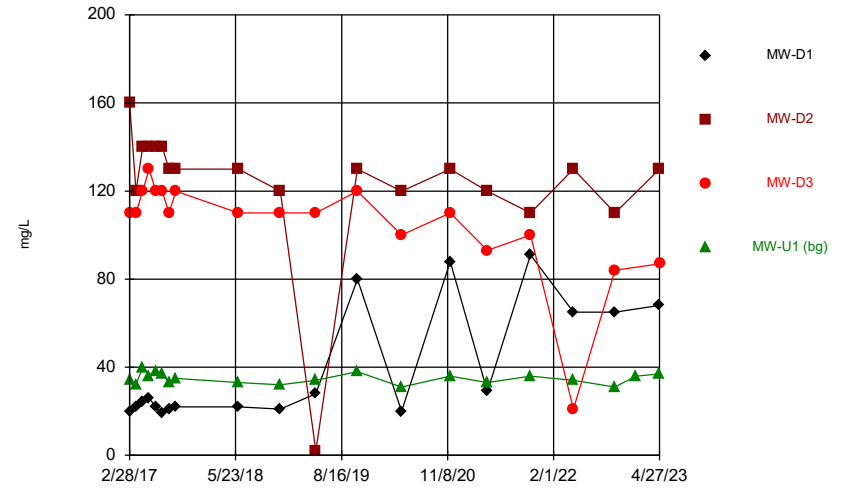
	MW-D1	MW-D2	MW-D3	MW-U1 (bg)
2/28/2017	76	360	330	80
3/27/2017	110	390	360	120
4/24/2017	62	390	330	44
5/22/2017	100	390	370	100
6/19/2017	62	380	330	92
7/17/2017	54	380	350	78
8/14/2017	76	380	350	86
9/13/2017	92	390	390	110
6/5/2018	110	390	370	110
11/29/2018	94	360	350	66
4/29/2019	120	360	370	120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

Time Series



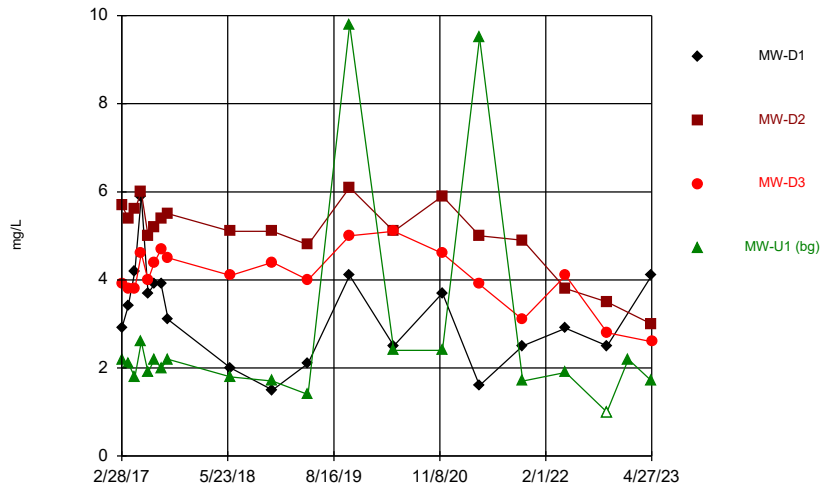
Constituent: Boron Analysis Run 6/13/2023 11:05 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



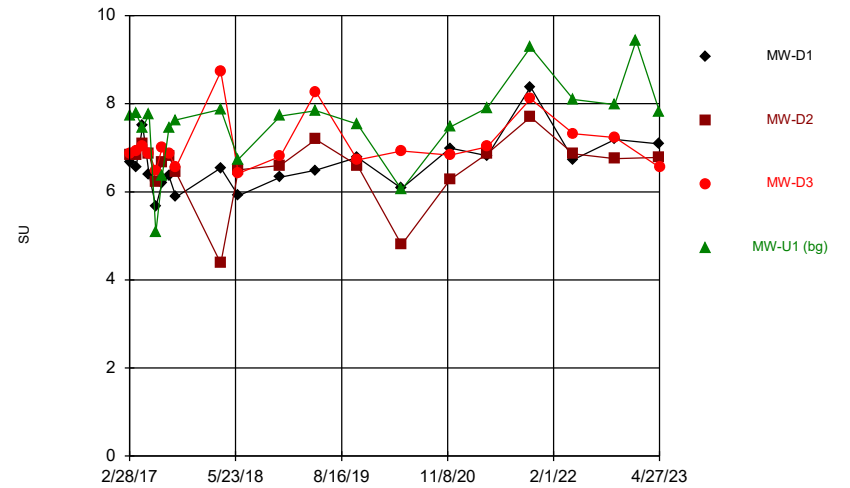
Constituent: Calcium Analysis Run 6/13/2023 11:05 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



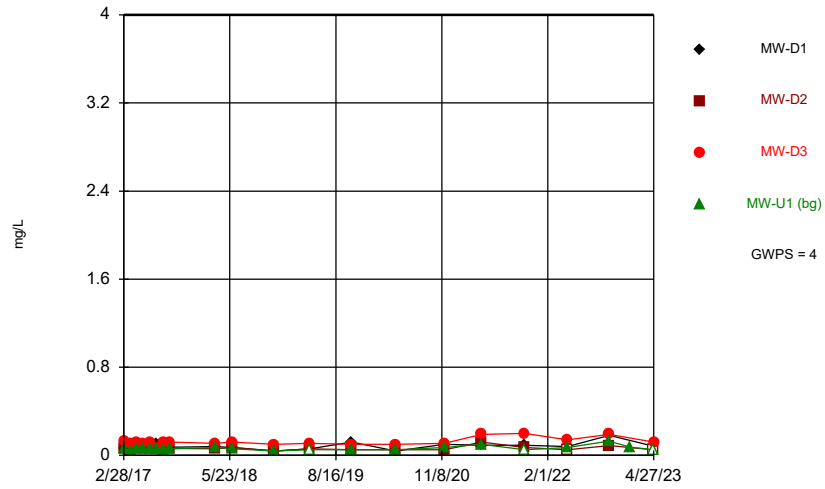
Constituent: Chloride Analysis Run 6/13/2023 11:05 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



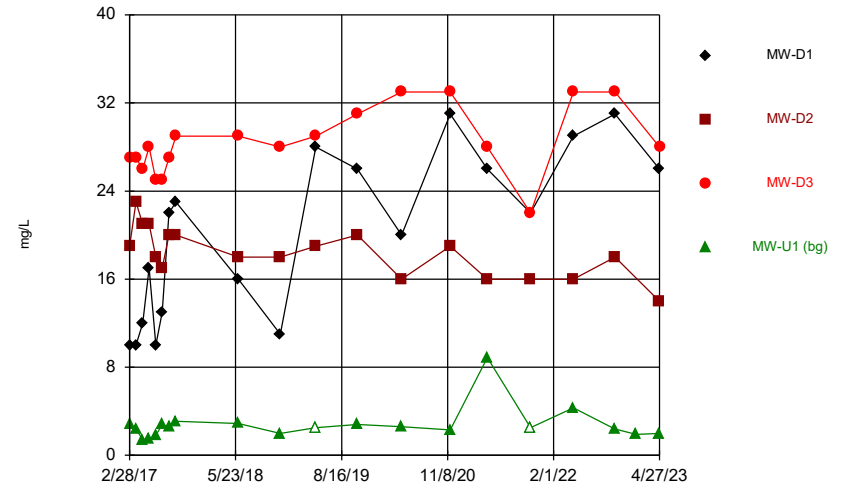
Constituent: Field pH Analysis Run 6/13/2023 11:05 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



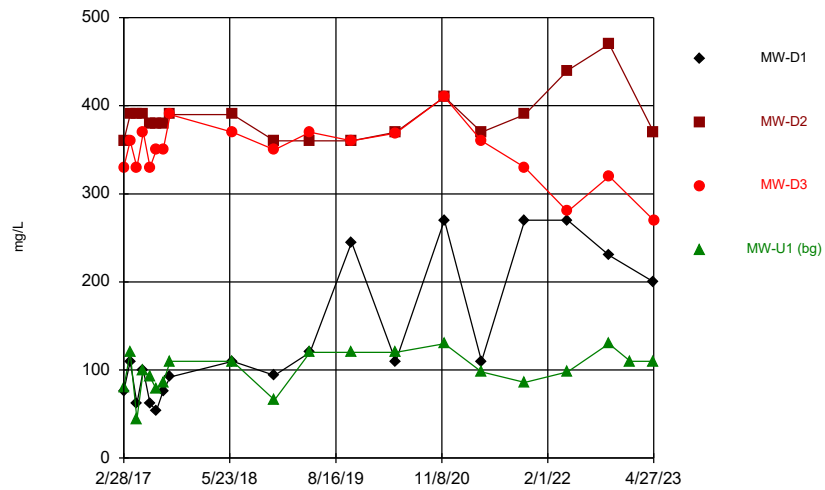
Constituent: Fluoride Analysis Run 6/13/2023 11:05 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



Constituent: Sulfate Analysis Run 6/13/2023 11:05 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



Constituent: Total Dissolved Solids Analysis Run 6/13/2023 11:05 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Summary Report

Constituent: Boron Analysis Run 6/13/2023 11:07 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/27/2023, a summary of the selected data set:

Observations = 78
 ND/Trace = 22
 Wells = 4
 Minimum Value = 0.0042
 Maximum Value = 0.27
 Mean Value = 0.1225
 Median Value = 0.125
 Standard Deviation = 0.08062
 Coefficient of Variation = 0.6584
 Skewness = 0.1589

<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	0	0.033	0.19	0.1177	0.1	0.04622	0.3927	0.1017
MW-D2	19	0	0.095	0.19	0.1324	0.13	0.02124	0.1604	0.7341
MW-D3	19	0	0.15	0.27	0.2289	0.24	0.03315	0.1448	-0.9583
MW-U1 (bg)	21	15	0.0042	0.05	0.02146	0.025	0.01043	0.4858	0.2481

Summary Report

Constituent: Calcium Analysis Run 6/13/2023 11:07 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/27/2023, a summary of the selected data set:

Observations = 77
ND/Trace = 0
Wells = 4
Minimum Value = 2
Maximum Value = 160
Mean Value = 74.88
Median Value = 80
Standard Deviation = 45.36
Coefficient of Variation = 0.6057
Skewness = 0.08769

<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	0	19	91	39.63	24	26.37	0.6653	0.9407
MW-D2	19	0	2	160	122.7	130	31.52	0.2568	-3.079
MW-D3	19	0	21	130	104.5	110	23.49	0.2249	-2.468
MW-U1 (bg)	20	0	31	40	34.8	34.5	2.505	0.07198	0.212

Summary Report

Constituent: Chloride Analysis Run 6/13/2023 11:07 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/27/2023, a summary of the selected data set:

Observations = 77
 ND/Trace = 11
 Wells = 4
 Minimum Value = 1
 Maximum Value = 9.8
 Mean Value = 3.747
 Median Value = 3.8
 Standard Deviation = 1.671
 Coefficient of Variation = 0.4461
 Skewness = 0.9948

<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	0	1.5	5.9	3.184	3.1	1.085	0.3407	0.4889
MW-D2	19	0	3	6.1	5.058	5.1	0.8228	0.1627	-1.163
MW-D3	19	0	2.6	5.1	4.074	4.1	0.6756	0.1659	-0.6814
MW-U1 (bg)	20	1	1	9.8	2.725	2.05	2.397	0.8796	2.551

Summary Report

Constituent: Field pH Analysis Run 6/13/2023 11:07 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/27/2023, a summary of the selected data set:

Observations = 81
 ND/Trace = 0
 Wells = 4
 Minimum Value = 4.38
 Maximum Value = 9.43
 Mean Value = 6.965
 Median Value = 6.86
 Standard Deviation = 0.842
 Coefficient of Variation = 0.1209
 Skewness = 0.09792

<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	0	5.66	8.38	6.627	6.545	0.6202	0.09358	0.9952
MW-D2	20	0	4.38	7.7	6.555	6.765	0.7486	0.1142	-1.759
MW-D3	20	0	6.42	8.73	7.077	6.9	0.6109	0.08632	1.524
MW-U1 (bg)	21	0	5.07	9.43	7.572	7.74	0.9498	0.1254	-0.5839

Summary Report

Constituent: Fluoride Analysis Run 6/13/2023 11:07 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/27/2023, a summary of the selected data set:

Observations = 81
ND/Trace = 55
Wells = 4
Minimum Value = 0.04
Maximum Value = 0.2
Mean Value = 0.0821
Median Value = 0.07
Standard Deviation = 0.03628
Coefficient of Variation = 0.4419
Skewness = 1.338

<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	0	0.04	0.18	0.0809	0.0775	0.03113	0.3849	1.568
MW-D2	20	2	0.04	0.12	0.06195	0.06	0.01718	0.2773	2.065
MW-D3	20	0	0.06	0.2	0.124	0.12	0.03378	0.2724	0.9815
MW-U1 (bg)	21	3	0.04	0.13	0.06252	0.06	0.02037	0.3257	1.991

Summary Report

Constituent: Sulfate Analysis Run 6/13/2023 11:07 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/27/2023, a summary of the selected data set:

Observations = 77
ND/Trace = 19
Wells = 4
Minimum Value = 1.4
Maximum Value = 33
Mean Value = 17.25
Median Value = 19
Standard Deviation = 10.33
Coefficient of Variation = 0.5985
Skewness = -0.25

<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	0	10	31	20.16	22	7.566	0.3754	-0.075
MW-D2	19	0	14	23	18.37	18	2.216	0.1207	0.05411
MW-D3	19	0	22	33	28.47	28	3.062	0.1075	0.01431
MW-U1 (bg)	20	2	1.4	8.867	2.773	2.5	1.568	0.5654	3.116

Summary Report

Constituent: Total Dissolved Solids Analysis Run 6/13/2023 11:08 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/27/2023, a summary of the selected data set:

Observations = 77
ND/Trace = 0
Wells = 4
Minimum Value = 44
Maximum Value = 470
Mean Value = 241.8
Median Value = 270
Standard Deviation = 133.9
Coefficient of Variation = 0.5539
Skewness = -0.0838

<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	0	54	270	140.1	110	78.6	0.5612	0.7263
MW-D2	19	0	360	470	386.8	380	28.1	0.07263	1.66
MW-D3	19	0	270	410	347.3	350	33.93	0.0977	-0.6325
MW-U1 (bg)	20	0	44	130	100.4	105	22.29	0.222	-0.785

Summary Report

Constituent: Antimony Analysis Run 7/8/2023 11:50 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/27/2023, a summary of the selected data set:

Observations = 57
 ND/Trace = 57
 Wells = 4
 Minimum Value = 0.00025
 Maximum Value = 0.00125
 Mean Value = 0.00118
 Median Value = 0.00125
 Standard Deviation = 0.0002577
 Coefficient of Variation = 0.2184
 Skewness = -3.365

<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	14	14	0.00025	0.00125	0.001179	0.00125	0.0002673	0.2268	-3.328
MW-D2	14	14	0.00025	0.00125	0.001179	0.00125	0.0002673	0.2268	-3.328
MW-D3	14	14	0.00025	0.00125	0.001179	0.00125	0.0002673	0.2268	-3.328
MW-U1 (bg)	15	15	0.00025	0.00125	0.001183	0.00125	0.0002582	0.2182	-3.474

Summary Report

Constituent: Antimony (mg/L) Analysis Run 7/8/2023 11:50 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

	MW-D1	MW-D2	MW-D3	MW-U1 (bg)
2/28/2017	<0.0025 (**)	<0.0025 (F1)	<0.0025 (**)	<0.0025 (**)
3/27/2017	<0.0025	<0.0025	<0.0025	<0.0025
4/24/2017	<0.0025	<0.0025	<0.0025	<0.0025
5/22/2017	<0.0025	<0.0025	<0.0025	<0.0025
6/19/2017	<0.0025	<0.0025	<0.0025	<0.0025
7/17/2017	<0.0025	<0.0025	<0.0025	<0.0025
8/14/2017	<0.0025	<0.0025	<0.0025	<0.0025
9/13/2017	<0.0025	<0.0025	<0.0025	<0.0025
3/22/2018	<0.0025	<0.0025	<0.0025	<0.0025
4/29/2019	<0.0025	<0.0025	<0.0025	<0.0025
4/27/2020	<0.0005 (^)	<0.0005 (^)	<0.0005	<0.0005 (^)
4/26/2021	<0.0025	<0.0025	<0.0025	<0.0025
4/26/2022	<0.0025	<0.0025	<0.0025	<0.0025
1/18/2023				<0.0025
4/26/2023	<0.0025	<0.0025		<0.0025
4/27/2023			<0.0025	

Summary Report

Constituent: Arsenic Analysis Run 7/8/2023 11:50 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/27/2023, a summary of the selected data set:

Observations = 81
 ND/Trace = 75
 Wells = 4
 Minimum Value = 0.000125
 Maximum Value = 0.0019
 Mean Value = 0.0007278
 Median Value = 0.00065
 Standard Deviation = 0.0002772
 Coefficient of Variation = 0.3809
 Skewness = 1.775

<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	20	0.000125	0.00125	0.0006538	0.00065	0.0001829	0.2797	0.5665
MW-D2	20	16	0.00027	0.00125	0.0006765	0.00065	0.0001838	0.2716	1.198
MW-D3	20	6	0.00048	0.0016	0.0008445	0.000715	0.0003212	0.3804	1.006
MW-U1 (bg)	21	17	0.00015	0.0019	0.0007362	0.00065	0.0003518	0.4778	1.952

Summary Report

Constituent: Arsenic (mg/L) Analysis Run 7/8/2023 11:50 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

	MW-D1	MW-D2	MW-D3	MW-U1 (bg)
2/28/2017	<0.0013	<0.0013	0.0015	<0.0013
3/27/2017	<0.0013	<0.0013	<0.0013	<0.0013
4/24/2017	<0.0013	0.00083 (J)	0.00052 (J)	<0.0013
5/22/2017	<0.0013	0.00048 (J)	0.00092 (J)	<0.0013
6/19/2017	<0.0013	<0.0013	0.00097 (J)	<0.0013
7/17/2017	<0.0013	0.00095 (J)	0.0016	0.00046 (J)
8/14/2017	<0.0013	<0.0013	0.00048 (J)	<0.0013
9/13/2017	<0.0013	<0.0013	0.00079 (J)	<0.0013
3/22/2018	<0.0013	<0.0013	0.0006 (J)	<0.0013
6/5/2018	<0.0013	<0.0013	0.00067 (J)	<0.0013
11/29/2018	<0.0013	<0.0013	<0.0013	<0.0013
4/29/2019	<0.0013	<0.0013	0.00048 (J)	<0.0013
10/23/2019	<0.0013	<0.0013	0.00076 (J)	<0.0013
4/27/2020	<0.00025 (*)	0.00027 (B)	0.001 (B)	0.00015 (JB)
11/19/2020	<0.0013	<0.0013	0.0011 (J)	<0.0013
4/26/2021	<0.0013	<0.0013	0.001 (J)	<0.0013
10/26/2021	<0.0013	<0.0013	<0.0013	0.0013
4/26/2022	<0.0013	<0.0013	<0.0013	0.0019
10/19/2022				<0.0025
10/20/2022	<0.0025	<0.0025	<0.0025	
1/18/2023				<0.0013
4/26/2023	<0.0013	<0.0013		<0.0013
4/27/2023			<0.0013	

Summary Report

Constituent: Barium Analysis Run 7/8/2023 11:50 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/27/2023, a summary of the selected data set:

Observations = 81
 ND/Trace = 13
 Wells = 4
 Minimum Value = 0.0018
 Maximum Value = 0.23
 Mean Value = 0.07465
 Median Value = 0.027
 Standard Deviation = 0.0747
 Coefficient of Variation = 1.001
 Skewness = 0.4944

<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	0	0.0095	0.027	0.01477	0.014	0.004868	0.3297	1.126
MW-D2	20	0	0.087	0.19	0.1439	0.145	0.02514	0.1748	-0.1826
MW-D3	20	0	0.06	0.23	0.1411	0.145	0.0603	0.4275	-0.01103
MW-U1 (bg)	21	0	0.0018	0.0062	0.002529	0.0022	0.0009398	0.3717	3.026

Summary Report

Constituent: Barium (mg/L) Analysis Run 7/8/2023 11:50 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

	MW-D1	MW-D2	MW-D3	MW-U1 (bg)
2/28/2017	0.011	0.087	0.22	0.0034
3/27/2017	0.0099	0.11	0.23	0.0026
4/24/2017	0.011	0.15	0.2	0.0022 (J)
5/22/2017	0.013	0.12	0.21	0.002 (J)
6/19/2017	0.012	0.11	0.21	0.0021 (J)
7/17/2017	0.012	0.16	0.2	0.0025
8/14/2017	0.014	0.13	0.18	0.002 (J)
9/13/2017	0.014	0.14	0.18	0.0023 (J)
3/22/2018	0.0095	0.15	0.16	0.0021 (J)
6/5/2018	0.01	0.19	0.15	0.0025
11/29/2018	0.0099	0.15	0.14	0.0018 (J)
4/29/2019	0.015	0.16	0.1	0.0018 (J)
10/23/2019	0.027	0.14	0.13	0.0022 (J)
4/27/2020	0.015	0.15	0.091	0.0022
11/19/2020	0.024	0.14	0.084	0.0062
4/26/2021	0.017	0.14	0.061	0.0021 (J)
10/26/2021	0.022 (B)	0.17	0.074 (B)	0.0024 (JB)
4/26/2022	0.015	0.14	0.072	0.0031
10/19/2022				0.0024 (J)
10/20/2022	0.018	0.15	0.069	
1/18/2023				0.0021 (J)
4/26/2023	0.016	0.19		0.0031
4/27/2023			0.06	

Summary Report

Constituent: Beryllium Analysis Run 7/8/2023 11:50 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/27/2023, a summary of the selected data set:

Observations = 57
ND/Trace = 57
Wells = 4
Minimum Value = 0.0002
Maximum Value = 0.00125
Mean Value = 0.0009614
Median Value = 0.001
Standard Deviation = 0.0002206
Coefficient of Variation = 0.2295
Skewness = -2.797

<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	14	14	0.0002	0.00125	0.0009607	0.001	0.0002289	0.2382	-2.766
MW-D2	14	14	0.0002	0.00125	0.0009607	0.001	0.0002289	0.2382	-2.766
MW-D3	14	14	0.0002	0.00125	0.0009607	0.001	0.0002289	0.2382	-2.766
MW-U1 (bg)	15	15	0.0002	0.00125	0.0009633	0.001	0.0002208	0.2292	-2.89

Summary Report

Constituent: Beryllium (mg/L) Analysis Run 7/8/2023 11:50 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

	MW-D1	MW-D2	MW-D3	MW-U1 (bg)
2/28/2017	<0.002	<0.002	<0.002	<0.002
3/27/2017	<0.002	<0.002	<0.002	<0.002
4/24/2017	<0.002	<0.002	<0.002	<0.002
5/22/2017	<0.002	<0.002	<0.002	<0.002
6/19/2017	<0.002	<0.002	<0.002	<0.002
7/17/2017	<0.002	<0.002	<0.002	<0.002
8/14/2017	<0.002	<0.002	<0.002	<0.002
9/13/2017	<0.002	<0.002	<0.002	<0.002
3/22/2018	<0.0025	<0.0025	<0.0025	<0.0025
4/29/2019	<0.002	<0.002	<0.002	<0.002
4/27/2020	<0.0004	<0.0004 (^)	<0.0004 (^)	<0.0004 (^)
4/26/2021	<0.002	<0.002	<0.002	<0.002
4/26/2022	<0.002	<0.002	<0.002	<0.002
1/18/2023				<0.002
4/26/2023	<0.002	<0.002		<0.002
4/27/2023			<0.002	

Summary Report

Constituent: Cadmium Analysis Run 7/8/2023 11:50 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/27/2023, a summary of the selected data set:

Observations = 61
 ND/Trace = 61
 Wells = 4
 Minimum Value = 0.000071
 Maximum Value = 0.00125
 Mean Value = 0.0005221
 Median Value = 0.0005
 Standard Deviation = 0.00022
 Coefficient of Variation = 0.4215
 Skewness = 1.91

<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	0.0001	0.00125	0.0005233	0.0005	0.0002259	0.4316	1.974
MW-D2	15	14	0.000075	0.00125	0.0005217	0.0005	0.0002293	0.4395	1.822
MW-D3	15	14	0.000071	0.00125	0.0005214	0.0005	0.0002299	0.4408	1.798
MW-U1 (bg)	16	16	0.0001	0.00125	0.0005219	0.0005	0.0002183	0.4183	2.057

Summary Report

Constituent: Cadmium (mg/L) Analysis Run 7/8/2023 11:50 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

	MW-D1	MW-D2	MW-D3	MW-U1 (bg)
2/28/2017	<0.001	<0.001	<0.001	<0.001
3/27/2017	<0.001	<0.001	<0.001	<0.001
4/24/2017	<0.001	<0.001	<0.001	<0.001
5/22/2017	<0.001	<0.001	<0.001	<0.001
6/19/2017	<0.001	<0.001	<0.001	<0.001
7/17/2017	<0.001	<0.001	<0.001	<0.001
8/14/2017	<0.001	<0.001	<0.001	<0.001
9/13/2017	<0.001	<0.001	<0.001	<0.001
3/22/2018	<0.0025	<0.0025	<0.0025	<0.0025
4/29/2019	<0.001	<0.001	<0.001	<0.001
4/27/2020	<0.0002	7.5E-05 (J*)	7.1E-05 (J)	<0.0002
11/19/2020	<0.001	<0.001	<0.001	<0.001
4/26/2021	<0.001	<0.001	<0.001	<0.001
4/26/2022	<0.001	<0.001	<0.001	<0.001
1/18/2023				<0.001
4/26/2023	<0.001	<0.001		<0.001
4/27/2023			<0.001	

Summary Report

Constituent: Chromium Analysis Run 7/8/2023 11:50 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/27/2023, a summary of the selected data set:

Observations = 73
ND/Trace = 67
Wells = 4
Minimum Value = 0.00025
Maximum Value = 0.0051
Mean Value = 0.0015
Median Value = 0.00125
Standard Deviation = 0.0007605
Coefficient of Variation = 0.507
Skewness = 2.455

<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	0.0034	0.001428	0.00125	0.0006408	0.4488	1.667
MW-D2	18	15	0.00025	0.0038	0.001408	0.00125	0.0007226	0.5131	2.207
MW-D3	18	16	0.00025	0.0037	0.001422	0.00125	0.0007353	0.517	2.034
MW-U1 (bg)	19	2	0.0011	0.0051	0.001729	0.0014	0.0009203	0.5323	2.804

Summary Report

Constituent: Chromium (mg/L) Analysis Run 7/8/2023 11:50 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

	MW-D1	MW-D2	MW-D3	MW-U1 (bg)
2/28/2017	0.0034	0.0038	0.0029	0.0051
3/27/2017	<0.0025	<0.0025	<0.0025	0.0017 (J)
4/24/2017	<0.0025	<0.0025	<0.0025	0.0014 (J)
5/22/2017	<0.0025	<0.0025	<0.0025	0.0014 (J)
6/19/2017	<0.0025	<0.0025	<0.0025	0.0014 (J)
7/17/2017	<0.0025	<0.0025	<0.0025	0.0014 (J)
8/14/2017	<0.0025	<0.0025	<0.0025	0.0012 (J)
9/13/2017	<0.0025	<0.0025	<0.0025	0.0014 (J)
3/22/2018	<0.0025	<0.0025	<0.0025	0.0016 (J)
11/29/2018	<0.0025	<0.0025	<0.0025	0.0012 (J)
4/29/2019	<0.0025	<0.0025	<0.0025	0.0011 (J)
4/27/2020	<0.0005 (^)	<0.0005 (^)	<0.0005 (^)	0.0013
11/19/2020	<0.0025 (^)	<0.0025 (^)	<0.0025 (^)	0.0015 (J)
4/26/2021	<0.0025	<0.0025	<0.0025	0.0011 (J)
10/26/2021	<0.0025	0.0012 (J)	<0.0025	0.0016 (J)
4/26/2022	0.0015 (J)	<0.0025	<0.0025	0.0026
10/19/2022				<0.005
10/20/2022	<0.005	0.0026 (J^)	0.0037 (J^)	
1/18/2023				<0.0025
4/26/2023	0.0018 (J)	<0.0025		0.0021 (J)
4/27/2023			<0.0025	

Summary Report

Constituent: Cobalt Analysis Run 7/8/2023 11:50 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/27/2023, a summary of the selected data set:

Observations = 73
 ND/Trace = 72
 Wells = 4
 Minimum Value = 0.00025
 Maximum Value = 0.0017
 Mean Value = 0.00118
 Median Value = 0.00125
 Standard Deviation = 0.0002747
 Coefficient of Variation = 0.2328
 Skewness = -2.229

<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	0.00025	0.0016	0.001214	0.00125	0.0002543	0.2095	-3.083
MW-D2	18	16	0.00047	0.00125	0.001193	0.00125	0.0001897	0.1591	-3.383
MW-D3	18	3	0.00035	0.0017	0.00117	0.00125	0.0003328	0.2844	-0.9239
MW-U1 (bg)	19	19	0.00025	0.00125	0.001145	0.00125	0.0003153	0.2754	-2.572

Summary Report

Constituent: Cobalt (mg/L) Analysis Run 7/8/2023 11:50 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

	MW-D1	MW-D2	MW-D3	MW-U1 (bg)
2/28/2017	<0.0025	0.00047 (J)	0.0011 (J)	<0.0025
3/27/2017	<0.0025	<0.0025	0.00079 (J)	<0.0025
4/24/2017	<0.0025	<0.0025	0.001 (J)	<0.0025
5/22/2017	<0.0025	<0.0025	0.0012 (J)	<0.0025
6/19/2017	<0.0025	<0.0025	0.0015 (J)	<0.0025
7/17/2017	<0.0025	<0.0025	0.0014 (J)	<0.0025
8/14/2017	<0.0025	<0.0025	0.0013 (J)	<0.0025
9/13/2017	<0.0025	<0.0025	0.0014 (J)	<0.0025
3/22/2018	<0.0025	<0.0025	0.0015 (J)	<0.0005
6/5/2018	<0.0025	<0.0025	0.0017 (J)	<0.0025
11/29/2018	<0.0025	<0.0025	0.00098 (J)	<0.0025
4/29/2019	<0.0025	<0.0025	0.0013 (J)	<0.0025
10/23/2019	<0.0025	<0.0025	0.0012 (J)	<0.0025
4/27/2020	<0.0005 (*)	0.001	0.00035 (J)	<0.0005 (*)
11/19/2020	<0.0025	<0.0025	0.00059 (J)	<0.0025
4/26/2021	<0.0025	<0.0025	<0.0025	<0.0025
4/26/2022	<0.0025	<0.0025	<0.0025	<0.0025
1/18/2023				<0.0025
4/26/2023	0.0016 (J)	<0.0025		<0.0025
4/27/2023			<0.0025	

Summary Report

Constituent: Combined Radium 226 + 228 Analysis Run 7/8/2023 11:50 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/27/2023, a summary of the selected data set:

Observations = 80
 ND/Trace = 22
 Wells = 4
 Minimum Value = 0
 Maximum Value = 1.28
 Mean Value = 0.4257
 Median Value = 0.336
 Standard Deviation = 0.2986
 Coefficient of Variation = 0.7015
 Skewness = 0.8654

<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	5	0.0994	0.833	0.4004	0.2778	0.2507	0.6262	0.5233
MW-D2	20	5	0.0139	1.28	0.5079	0.4525	0.3344	0.6584	0.6386
MW-D3	20	6	0.0501	1.28	0.4997	0.4895	0.3099	0.6202	1.093
MW-U1 (bg)	20	6	0	0.86	0.2948	0.1915	0.2617	0.8876	0.9352

Summary Report

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 7/8/2023 11:50 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

	MW-D1	MW-D2	MW-D3	MW-U1 (bg)
2/28/2017	0.421	0.506	0.522	0.117
3/27/2017	0.655	1.28	0.557	0
4/24/2017	0.212	0.756	0.572	0.19
5/22/2017	0.186	0.333	0.457	0.133
6/19/2017	0.156	0.388	0.78	0.135
7/17/2017	0.153	0.534	0.409	0.19
8/14/2017	0.287	0.452	0.339	0.302
9/13/2017	0.816	0.453	1.28	0.614
3/22/2018	0.643	0.716	1.17	0.131
6/5/2018	0.149	0.0139	0.564	0
11/29/2018	0.0994	0.18	0.0501	0.0234
4/29/2019	<0.457	<0.42	0.594	<0.386
10/23/2019	<0.439	<0.484	<0.465	<0.508
4/27/2020	0.401	<0.184	<0.326	<0.298
11/19/2020	0.833	<0.57	<0.614	0.615
4/26/2021	<0.524	0.773	<0.478	0.609
10/26/2021	0.749	0.812	0.666	0.801
4/26/2022	<0.537	0.783	<0.528	<0.716
10/19/2022				<0.444
10/20/2022	0.559	<0.52	<0.545	
4/26/2023	<1.42	1.09		<1.72
4/27/2023			0.555	

Summary Report

Constituent: Fluoride Analysis Run 7/8/2023 11:50 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/27/2023, a summary of the selected data set:

Observations = 81
ND/Trace = 55
Wells = 4
Minimum Value = 0.04
Maximum Value = 0.2
Mean Value = 0.0821
Median Value = 0.07
Standard Deviation = 0.03628
Coefficient of Variation = 0.4419
Skewness = 1.338

<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	0	0.04	0.18	0.0809	0.0775	0.03113	0.3849	1.568
MW-D2	20	2	0.04	0.12	0.06195	0.06	0.01718	0.2773	2.065
MW-D3	20	0	0.06	0.2	0.124	0.12	0.03378	0.2724	0.9815
MW-U1 (bg)	21	3	0.04	0.13	0.06252	0.06	0.02037	0.3257	1.991

Summary Report

Constituent: Fluoride (mg/L) Analysis Run 7/8/2023 11:50 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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

Summary Report

Constituent: Lead Analysis Run 7/8/2023 11:50 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/27/2023, a summary of the selected data set:

Observations = 57
 ND/Trace = 57
 Wells = 4
 Minimum Value = 0.000125
 Maximum Value = 0.0008
 Mean Value = 0.0006082
 Median Value = 0.00065
 Standard Deviation = 0.0001418
 Coefficient of Variation = 0.2332
 Skewness = -2.876

<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	14	13	0.000125	0.0008	0.0006232	0.00065	0.0001489	0.2389	-2.853
MW-D2	14	12	0.000125	0.00065	0.0005818	0.00065	0.0001548	0.266	-2.194
MW-D3	14	14	0.000125	0.00065	0.0006125	0.00065	0.0001403	0.2291	-3.328
MW-U1 (bg)	15	14	0.000125	0.00065	0.000615	0.00065	0.0001356	0.2204	-3.474

Summary Report

Constituent: Lead (mg/L) Analysis Run 7/8/2023 11:50 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

	MW-D1	MW-D2	MW-D3	MW-U1 (bg)
2/28/2017	<0.0013 (^)	0.0005 (J)	<0.0013 (^)	<0.0013
3/27/2017	<0.0013	<0.0013	<0.0013	<0.0013
4/24/2017	<0.0013	<0.0013	<0.0013	<0.0013
5/22/2017	<0.0013	<0.0013	<0.0013	0.00065 (J)
6/19/2017	<0.0013	<0.0013	<0.0013	<0.0013
7/17/2017	<0.0013	<0.0013	<0.0013	<0.0013
8/14/2017	0.0008 (J)	0.00037 (J)	<0.0013	<0.0013
9/13/2017	<0.0013	<0.0013	<0.0013	<0.0013
3/22/2018	<0.0013	<0.0013	<0.0013	<0.0013
4/29/2019	<0.0013	<0.0013	<0.0013	<0.0013
4/27/2020	<0.00025 (^)	<0.00025 (^)	<0.00025 (^)	<0.00025 (^)
4/26/2021	<0.0013	<0.0013	<0.0013	<0.0013
4/26/2022	<0.0013	<0.0013	<0.0013	<0.0013
1/18/2023				<0.0013
4/26/2023	<0.0013	<0.0013		<0.0013
4/27/2023			<0.0013	

Summary Report

Constituent: Lithium Analysis Run 7/8/2023 11:50 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/27/2023, a summary of the selected data set:

Observations = 65
 ND/Trace = 63
 Wells = 4
 Minimum Value = 0.00025
 Maximum Value = 0.0058
 Mean Value = 0.001366
 Median Value = 0.00125
 Standard Deviation = 0.0007374
 Coefficient of Variation = 0.5397
 Skewness = 3.636

<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	15	0.00025	0.0025	0.001331	0.00125	0.0004871	0.3659	0.7354
MW-D2	16	14	0.00025	0.0031	0.001372	0.00125	0.0006202	0.4521	1.484
MW-D3	16	13	0.00048	0.0025	0.001355	0.00125	0.0004693	0.3464	1.304
MW-U1 (bg)	17	15	0.00025	0.0058	0.001405	0.00125	0.001176	0.8367	3.253

Summary Report

Constituent: Lithium (mg/L) Analysis Run 7/8/2023 11:50 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

	MW-D1	MW-D2	MW-D3	MW-U1 (bg)
2/28/2017	<0.0025	<0.0025	<0.0025	<0.0025
3/27/2017	<0.0025	<0.0025	<0.0025	<0.0025
4/24/2017	<0.0025	<0.0025	<0.0025	<0.0025
5/22/2017	<0.0025	<0.0025	<0.0025	<0.0025
6/19/2017	<0.0025	<0.0025	<0.0025	<0.0025
7/17/2017	<0.0025	<0.0025	<0.0025	<0.0025
8/14/2017	<0.0025	<0.0025	<0.0025	<0.0025
9/13/2017	<0.0025	<0.0025	<0.0025	<0.0025
3/22/2018	<0.005	<0.005	<0.005	0.00034 (J)
11/29/2018	<0.0025	<0.0025	<0.0025	<0.0025
4/29/2019	<0.0025	0.0011 (J)	0.0013 (J)	<0.0025
4/27/2020	<0.0005 (^)	<0.0005	0.00048 (J)	<0.0005 (^)
11/19/2020	0.0023 (J)	0.0031	0.0024 (J)	<0.0025
4/26/2021	<0.0025	<0.0025	<0.0025	<0.0025
4/26/2022	<0.0025	<0.0025	<0.0025	<0.0025
1/18/2023				<0.0025
4/26/2023	<0.0025	<0.0025		0.0058
4/27/2023			<0.0025	

Summary Report

Constituent: Mercury Analysis Run 7/8/2023 11:50 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/27/2023, a summary of the selected data set:

Observations = 57
 ND/Trace = 57
 Wells = 4
 Minimum Value = 0.000077
 Maximum Value = 0.00018
 Mean Value = 0.0001013
 Median Value = 0.0001
 Standard Deviation = 0.0000112
 Coefficient of Variation = 0.1106
 Skewness = 6.068

<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	14	13	0.000077	0.0001	0.00009836	0.0001	0.000006147	0.0625	-3.328
MW-D2	14	12	0.0001	0.00018	0.0001064	0.0001	0.00002134	0.2005	3.244
MW-D3	14	13	0.0001	0.00011	0.0001007	0.0001	0.000002673	0.02654	3.328
MW-U1 (bg)	15	14	0.000099	0.0001	0.00009993	0.0001	2.6e-7	0.002584	-3.474

Summary Report

Constituent: Mercury (mg/L) Analysis Run 7/8/2023 11:50 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

	MW-D1	MW-D2	MW-D3	MW-U1 (bg)
2/28/2017	7.7E-05 (JB)	0.00018 (JB)	0.00011 (JB)	9.9E-05 (JB)
3/27/2017	<0.0002	0.00011 (J)	<0.0002	<0.0002
4/24/2017	<0.0002	<0.0002	<0.0002	<0.0002
5/22/2017	<0.0002	<0.0002	<0.0002	<0.0002
6/19/2017	<0.0002	<0.0002	<0.0002	<0.0002
7/17/2017	<0.0002	<0.0002	<0.0002	<0.0002
8/14/2017	<0.0002	<0.0002	<0.0002	<0.0002
9/13/2017	<0.0002	<0.0002	<0.0002	<0.0002
3/22/2018	<0.0002	<0.0002	<0.0002	<0.0002
4/29/2019	<0.0002	<0.0002	<0.0002	<0.0002
4/27/2020	<0.0002	<0.0002	<0.0002	<0.0002
4/26/2021	<0.0002	<0.0002	<0.0002	<0.0002
4/26/2022	<0.0002	<0.0002	<0.0002	<0.0002
1/18/2023				<0.0002
4/26/2023	<0.0002	<0.0002		<0.0002
4/27/2023			<0.0002	

Summary Report

Constituent: Molybdenum Analysis Run 7/8/2023 11:50 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/27/2023, a summary of the selected data set:

Observations = 73
 ND/Trace = 73
 Wells = 4
 Minimum Value = 0.001
 Maximum Value = 0.01
 Mean Value = 0.004579
 Median Value = 0.005
 Standard Deviation = 0.001901
 Coefficient of Variation = 0.4152
 Skewness = 0.4692

<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	18	0.001	0.01	0.005194	0.005	0.001655	0.3186	0.6585
MW-D2	18	15	0.001	0.01	0.004656	0.005	0.002133	0.4582	0.2962
MW-D3	18	4	0.0017	0.0088	0.003583	0.00305	0.001833	0.5115	1.269
MW-U1 (bg)	19	19	0.001	0.01	0.004868	0.005	0.001715	0.3522	0.4422

Summary Report

Constituent: Molybdenum (mg/L) Analysis Run 7/8/2023 11:50 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

	MW-D1	MW-D2	MW-D3	MW-U1 (bg)
2/28/2017	<0.01	0.0012 (J)	0.0088 (J)	<0.01
3/27/2017	<0.01	<0.01	0.0023 (J)	<0.01
4/24/2017	<0.01	<0.01	0.0018 (J)	<0.01
5/22/2017	<0.01	0.0025 (J)	0.0031 (J)	<0.01
6/19/2017	<0.01	0.0016 (J)	0.0043 (J)	<0.01
7/17/2017	<0.01	<0.01	0.0027 (J)	<0.01
8/14/2017	<0.01	<0.01	0.0017 (J)	<0.01
9/13/2017	<0.01	<0.01	0.0021 (J)	<0.01
3/22/2018	<0.015	<0.015	0.0022 (J)	<0.003
6/5/2018	<0.01	<0.01	0.0022 (J)	<0.01
11/29/2018	<0.01	<0.01	<0.01	<0.01
4/29/2019	<0.01	<0.01	<0.01	<0.01
4/27/2020	<0.002 (^)	<0.002 (^)	0.0019 (J)	<0.002 (^)
11/19/2020	<0.01 (^)	<0.01	<0.01	<0.01
4/26/2021	<0.01	<0.01	<0.01	<0.01
4/26/2022	<0.01	<0.01	0.003 (J)	<0.01
10/19/2022				<0.02
10/20/2022	<0.02	<0.02	0.0032 (J)	
1/18/2023				<0.01
4/26/2023	<0.01	<0.01		<0.01
4/27/2023			0.0052 (J)	

Summary Report

Constituent: Selenium Analysis Run 7/8/2023 11:50 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/27/2023, a summary of the selected data set:

Observations = 65
 ND/Trace = 61
 Wells = 4
 Minimum Value = 0.000125
 Maximum Value = 0.0028
 Mean Value = 0.0006562
 Median Value = 0.00065
 Standard Deviation = 0.0003325
 Coefficient of Variation = 0.5066
 Skewness = 4.231

<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	14	0.000125	0.00083	0.0006084	0.00065	0.0001597	0.2626	-2.073
MW-D2	16	13	0.000125	0.001	0.0006153	0.00065	0.0001798	0.2922	-0.9915
MW-D3	16	11	0.000125	0.0028	0.0007816	0.00065	0.0006185	0.7914	2.34
MW-U1 (bg)	17	10	0.00039	0.00076	0.0006218	0.00065	0.00009139	0.147	-1.576

Summary Report

Constituent: Selenium (mg/L) Analysis Run 7/8/2023 11:50 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

	MW-D1	MW-D2	MW-D3	MW-U1 (bg)
2/28/2017	<0.0013	<0.0013	0.0028	<0.0013
3/27/2017	<0.0013	<0.0013	<0.0013	<0.0013
4/24/2017	<0.0013	<0.0013	<0.0013	<0.0013
5/22/2017	<0.0013	0.001 (J)	0.00037 (J)	0.00076 (J)
6/19/2017	<0.0013	0.00059 (JB)	0.001 (JB)	0.00062 (JB)
7/17/2017	0.00033 (J)	0.00033 (J)	<0.0013	0.0007 (J)
8/14/2017	<0.0013	<0.0013	<0.0013	0.00058 (J)
9/13/2017	<0.0013	<0.0013	<0.0013	0.00041 (J)
3/22/2018	<0.0013	<0.0013	<0.00025	0.00039
11/29/2018	<0.0013	<0.0013	<0.0013	<0.0013
4/29/2019	<0.0013	<0.0013	<0.0013	<0.0013
4/27/2020	<0.00025	<0.00025	0.00021 (J)	0.00061
11/19/2020	<0.0013	<0.0013	<0.0013	<0.0013
4/26/2021	<0.0013	<0.0013	<0.0013	<0.0013
4/26/2022	<0.0013	<0.0013	<0.0013	<0.0013
1/18/2023				<0.0013
4/26/2023	0.00083 (J)	<0.0013		<0.0013
4/27/2023			0.0015	

Summary Report

Constituent: Thallium Analysis Run 7/8/2023 11:51 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

For observations made between 2/28/2017 and 4/27/2023, a summary of the selected data set:

Observations = 73
 ND/Trace = 71
 Wells = 4
 Minimum Value = 0.00005
 Maximum Value = 0.00026
 Mean Value = 0.000202
 Median Value = 0.00025
 Standard Deviation = 0.00006878
 Coefficient of Variation = 0.3405
 Skewness = -0.8029

<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	18	0.00005	0.00025	0.0002389	0.00025	0.00004714	0.1973	-3.881
MW-D2	18	8	0.000085	0.00026	0.0001806	0.00019	0.0000735	0.4071	-0.06857
MW-D3	18	4	0.000095	0.00025	0.0001469	0.00012	0.00005894	0.4011	1.11
MW-U1 (bg)	19	19	0.00005	0.00025	0.0002395	0.00025	0.00004588	0.1916	-4.007

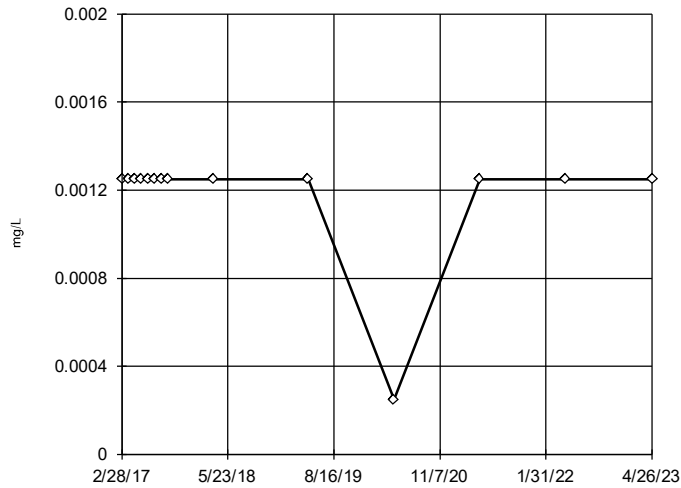
Summary Report

Constituent: Thallium (mg/L) Analysis Run 7/8/2023 11:51 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

	MW-D1	MW-D2	MW-D3	MW-U1 (bg)
2/28/2017	<0.0005	0.00011 (J)	0.00013 (J)	<0.0005
3/27/2017	<0.0005	<0.0005	0.00011 (J)	<0.0005
4/24/2017	<0.0005	<0.0005	9.5E-05 (J)	<0.0005
5/22/2017	<0.0005	0.00011 (J)	0.00011 (J)	<0.0005
6/19/2017	<0.0005	0.00011 (J)	0.00012 (J)	<0.0005
7/17/2017	<0.0005	0.00011 (J)	0.00012 (J)	<0.0005
8/14/2017	<0.0005	0.00013 (J)	0.00011 (J)	<0.0005
9/13/2017	<0.0005	0.00012 (J)	0.00013 (J)	<0.0005
3/22/2018	<0.0005	<0.0005	0.0001 (J)	<0.0005
6/5/2018	<0.0005	8.5E-05 (J)	0.00012 (J)	<0.0005
11/29/2018	<0.0005	8.5E-05 (J)	0.0001 (J)	<0.0005
4/29/2019	<0.0005	<0.0005	0.00011 (J)	<0.0005
10/23/2019	<0.0005	0.00026 (J)	0.00017 (J)	<0.0005
4/27/2020	<0.0001 (*)	0.00013	0.00012	<0.0001 (*)
11/19/2020	<0.0005	<0.0005	<0.0005	<0.0005
4/26/2021	<0.0005	<0.0005	<0.0005	<0.0005
4/26/2022	<0.0005	<0.0005	<0.0005	<0.0005
1/18/2023				<0.0005
4/26/2023	<0.0005	<0.0005		<0.0005
4/27/2023			<0.0005	

Tukey's Outlier Screening

MW-D1

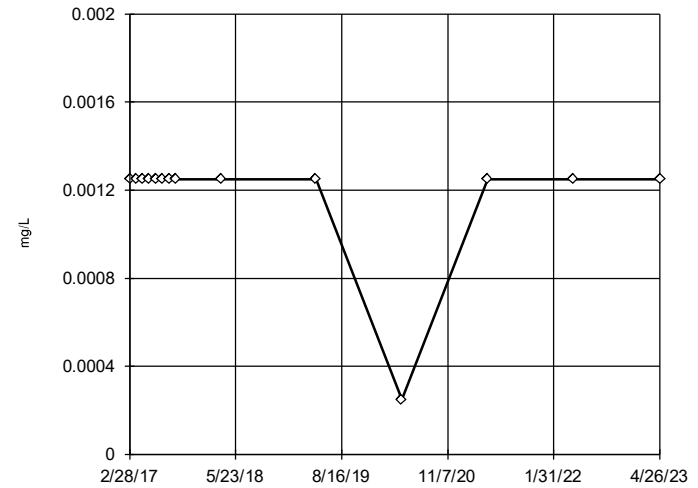


n = 14
 No outliers found. Tukey's method selected by user.
 Data were square transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 7/8/2023 11:57 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D2

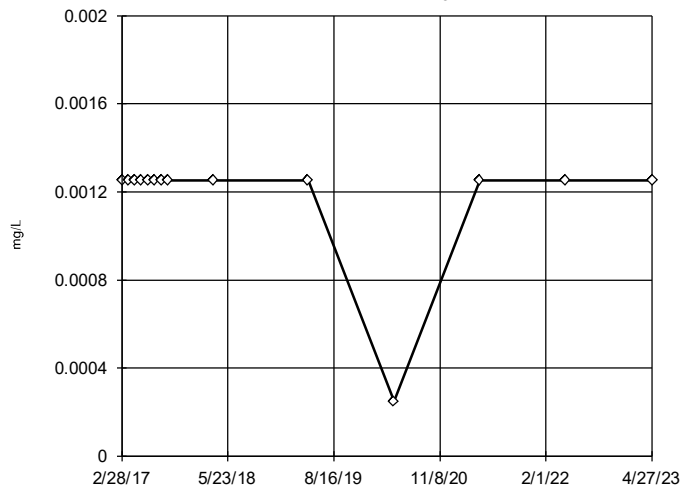


n = 14
 No outliers found. Tukey's method selected by user.
 Data were square transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 7/8/2023 11:57 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D3

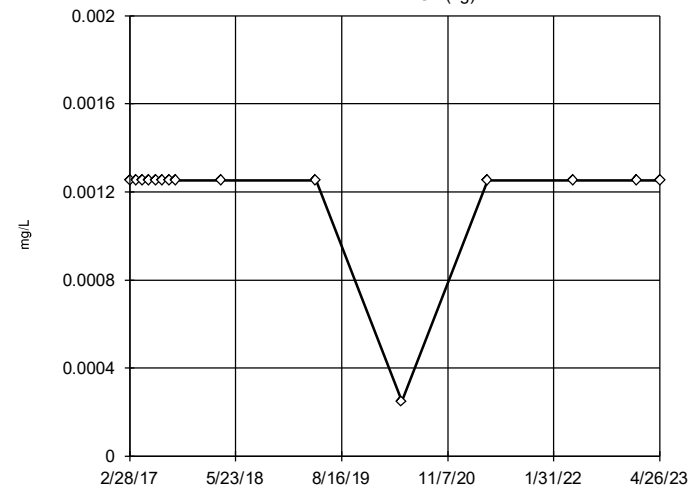


n = 14
 No outliers found. Tukey's method selected by user.
 Data were square transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 7/8/2023 11:57 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-U1 (bg)

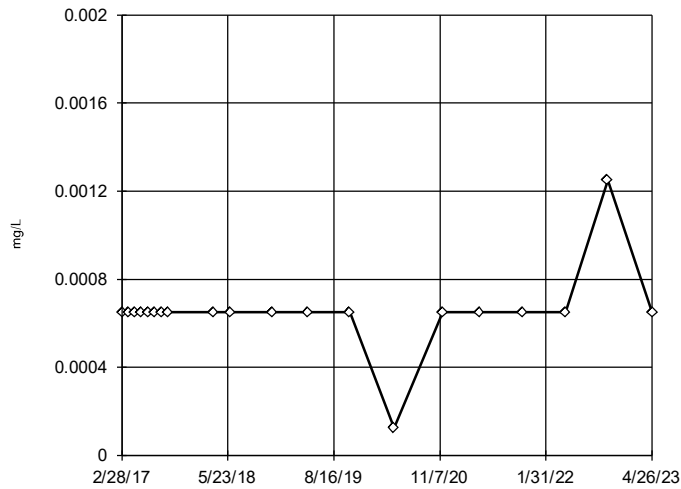


n = 15
 No outliers found. Tukey's method selected by user.
 Data were x⁵ transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 7/8/2023 11:57 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D1

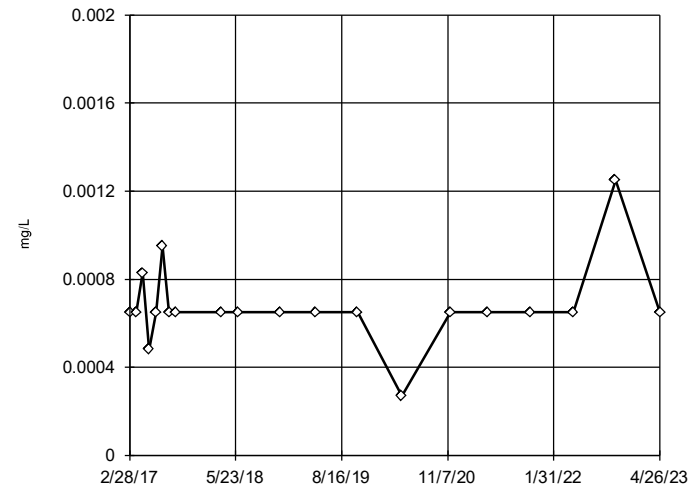


n = 20
 No outliers found.
 Tukey's method selected by user.
 Ladder of Powers transformations did not improve normality; analysis run on raw data.
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 7/8/2023 11:57 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D2

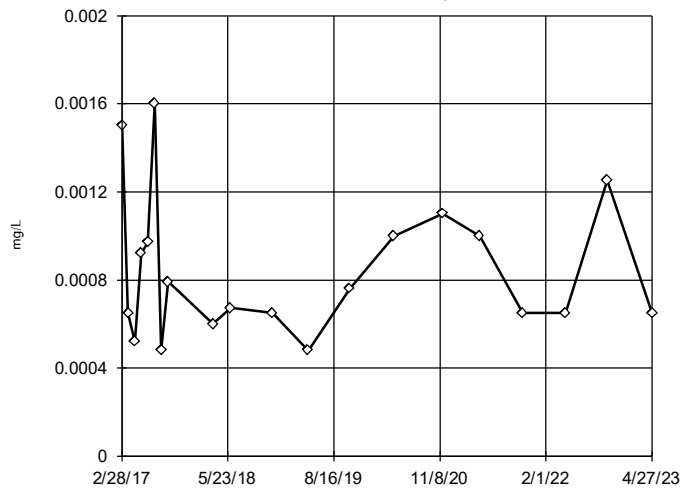


n = 20
 No outliers found.
 Tukey's method selected by user.
 Data were square root transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 7/8/2023 11:57 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D3

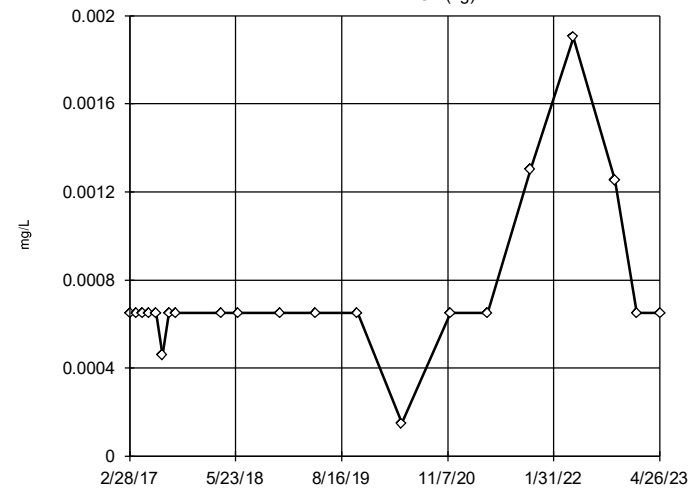


n = 20
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 0.003641, low cutoff = 0.0001785, based on IQR multiplier of 3.

Constituent: Arsenic Analysis Run 7/8/2023 11:57 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-U1 (bg)

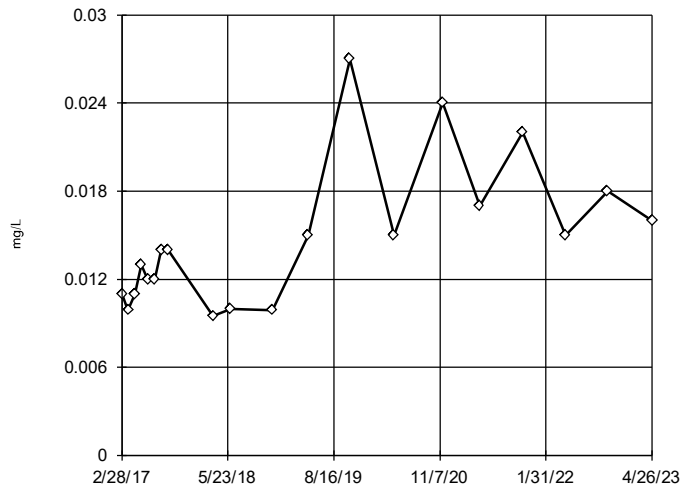


n = 21
 No outliers found.
 Tukey's method selected by user.
 Data were cube root transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 7/8/2023 11:57 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D1



n = 20

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

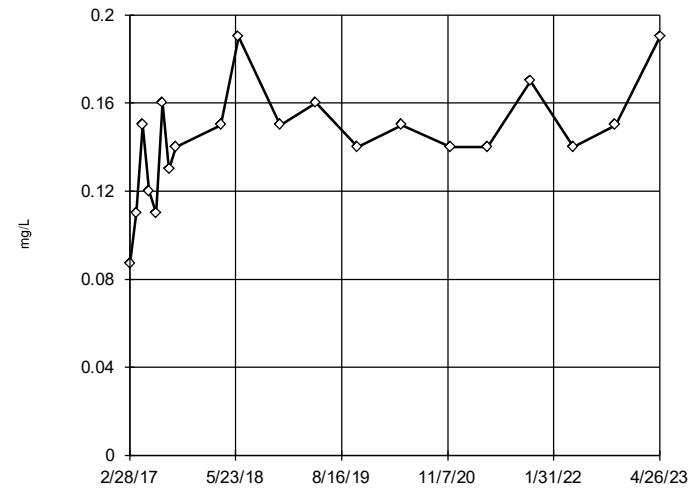
High cutoff = 0.05559, low cutoff = 0.003264, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 7/8/2023 11:57 AM View: Sanitas Statistics Events 1 through 20

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

Tukey's Outlier Screening

MW-D2



n = 20

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

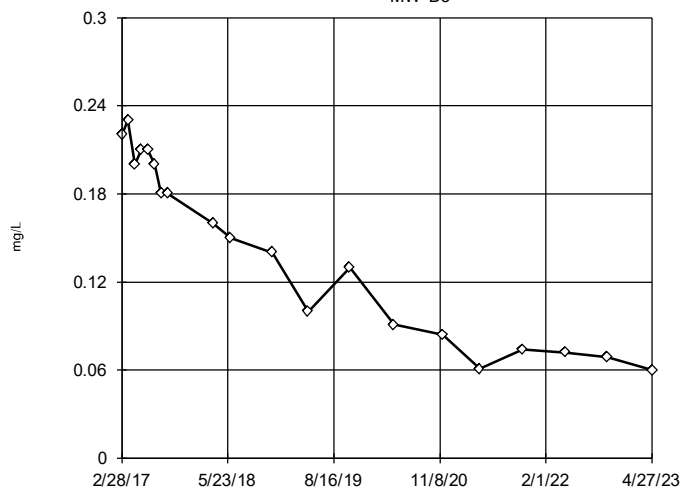
High cutoff = 0.215, low cutoff = 0.075, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 7/8/2023 11:57 AM View: Sanitas Statistics Events 1 through 20

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

Tukey's Outlier Screening

MW-D3



n = 20

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

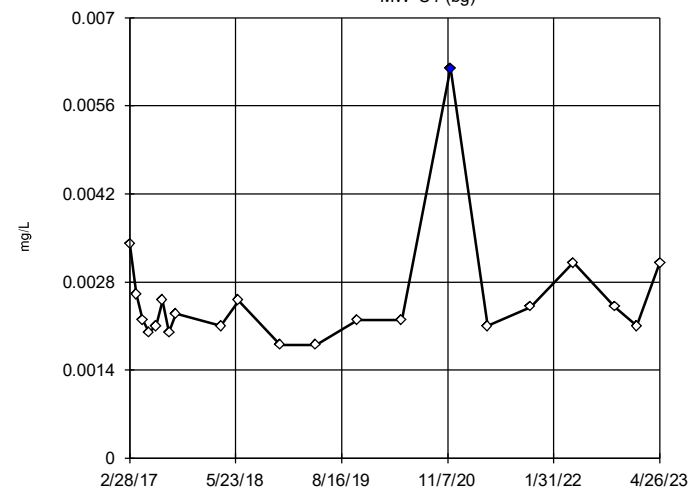
High cutoff = 0.563, low cutoff = -0.284, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 7/8/2023 11:57 AM View: Sanitas Statistics Events 1 through 20

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

Tukey's Outlier Screening

MW-U1 (bg)



n = 21

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

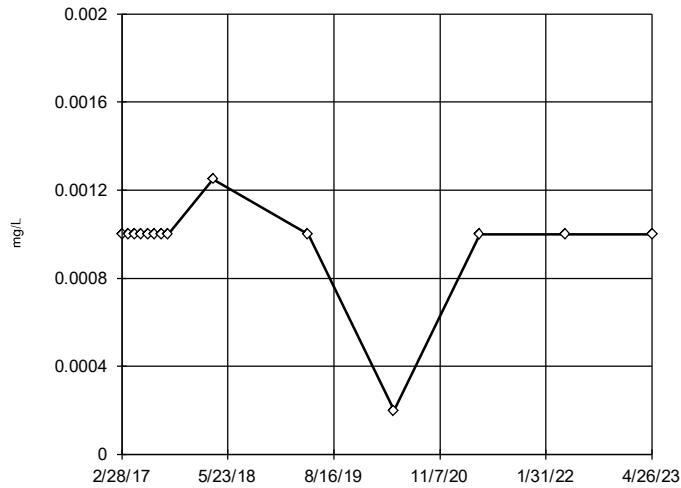
High cutoff = 0.004562, low cutoff = 0.001174, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 7/8/2023 11:57 AM View: Sanitas Statistics Events 1 through 20

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

Tukey's Outlier Screening

MW-D1

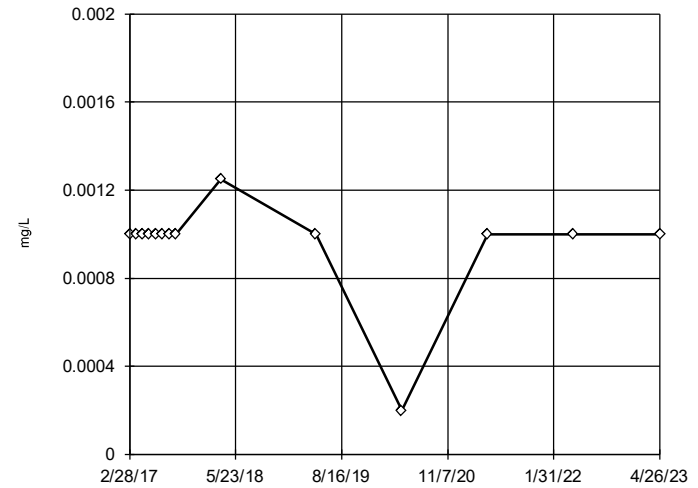


n = 14
 No outliers found.
 Tukey's method selected by user.
 Data were cube transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 7/8/2023 11:58 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D2

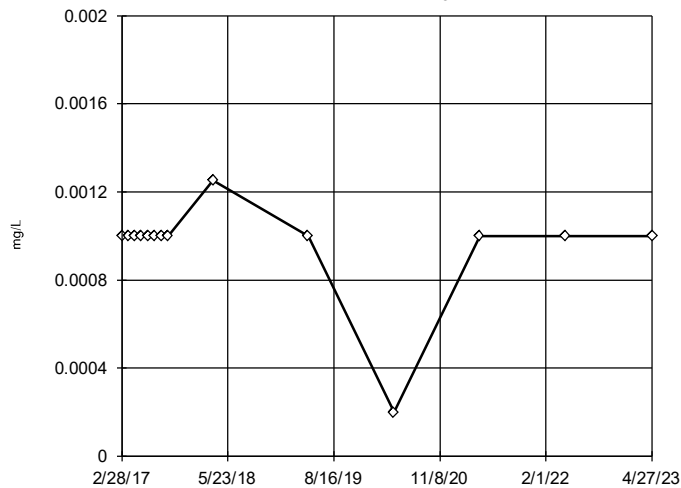


n = 14
 No outliers found.
 Tukey's method selected by user.
 Data were cube transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 7/8/2023 11:58 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D3

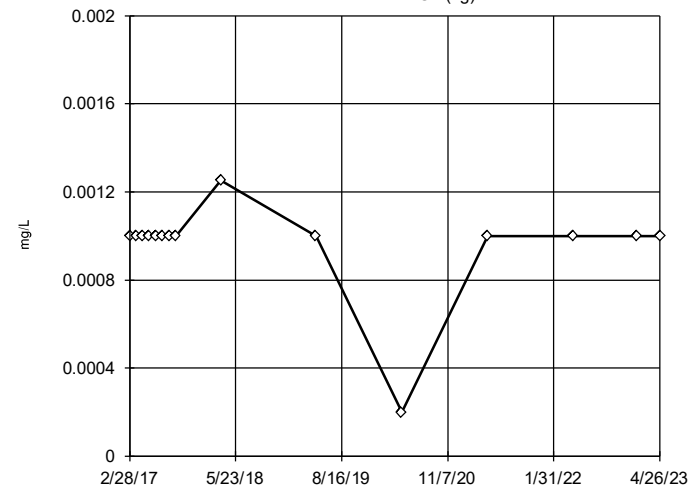


n = 14
 No outliers found.
 Tukey's method selected by user.
 Data were cube transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 7/8/2023 11:58 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-U1 (bg)

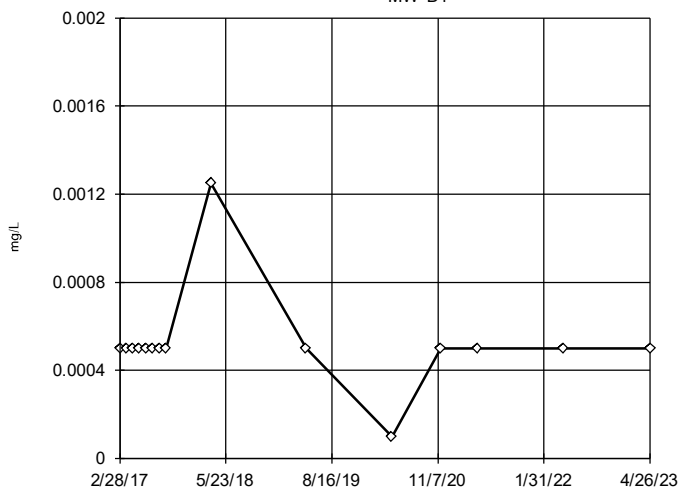


n = 15
 No outliers found.
 Tukey's method selected by user.
 Data were cube transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 7/8/2023 11:58 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D1

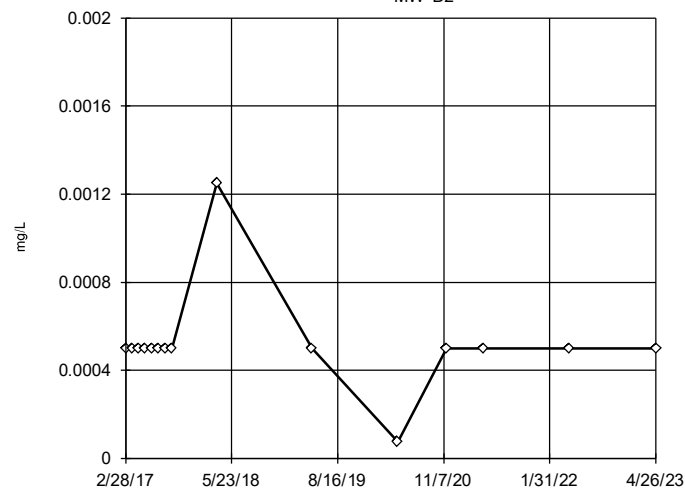


n = 15
 No outliers found.
 Tukey's method selected by user.
 Data were square root transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 7/8/2023 11:58 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D2

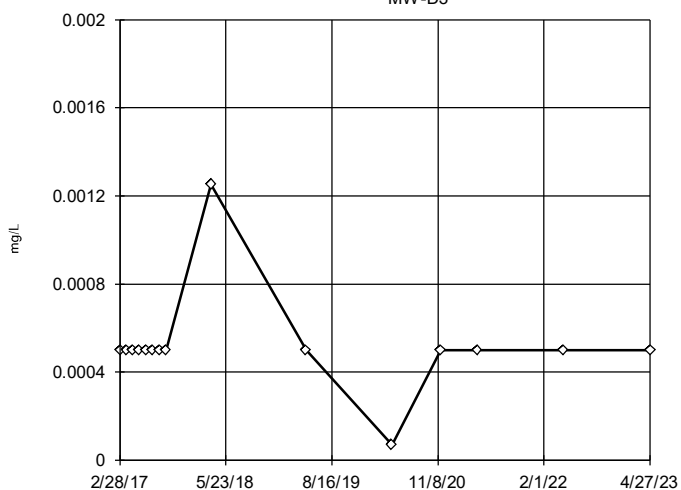


n = 15
 No outliers found.
 Tukey's method selected by user.
 Data were square root transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 7/8/2023 11:58 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D3

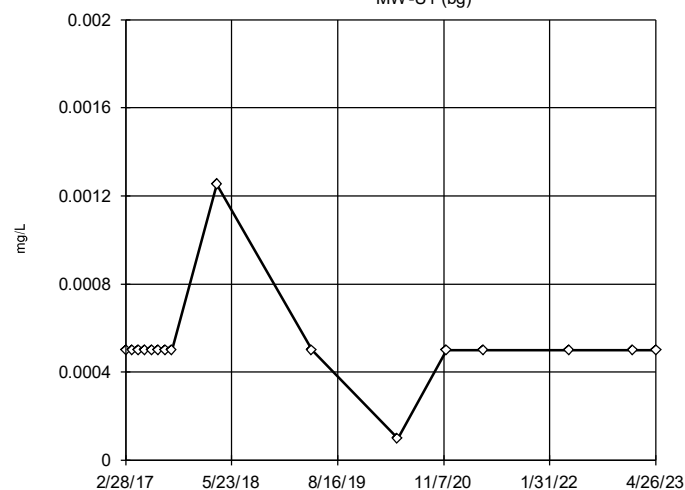


n = 15
 No outliers found.
 Tukey's method selected by user.
 Data were square root transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 7/8/2023 11:58 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

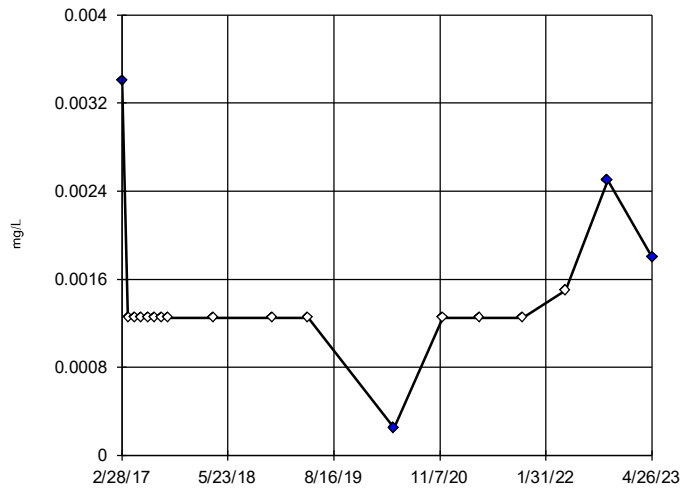
MW-U1 (bg)



n = 16
 No outliers found.
 Tukey's method selected by user.
 Data were square root transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 7/8/2023 11:58 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

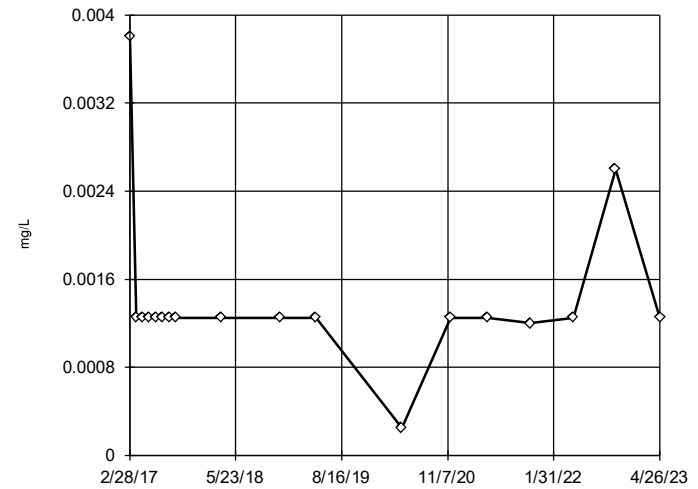
Tukey's Outlier Screening
MW-D1



n = 18
Outliers are drawn as solid.
Tukey's method selected by user.
Data were square root transformed to achieve best W statistic (graph shown in original units).
High cutoff = 0.001773, low cutoff = 0.0009177, based on IQR multiplier of 3.

Constituent: Chromium Analysis Run 7/8/2023 11:58 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

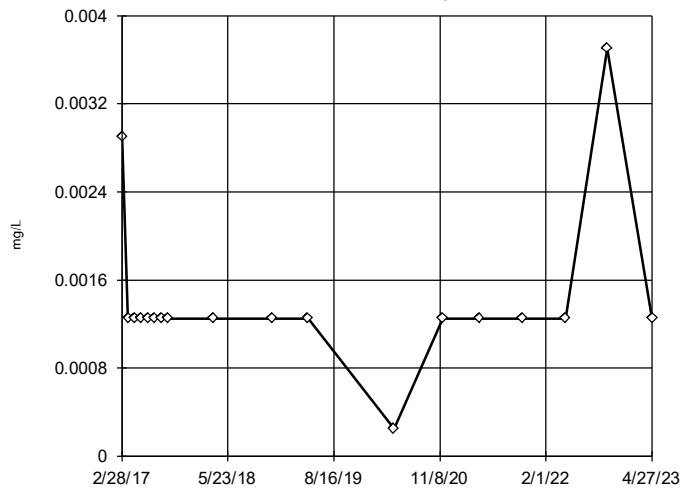
Tukey's Outlier Screening
MW-D2



n = 18
No outliers found.
Tukey's method selected by user.
Data were cube root transformed to achieve best W statistic (graph shown in original units).
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Chromium Analysis Run 7/8/2023 11:58 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

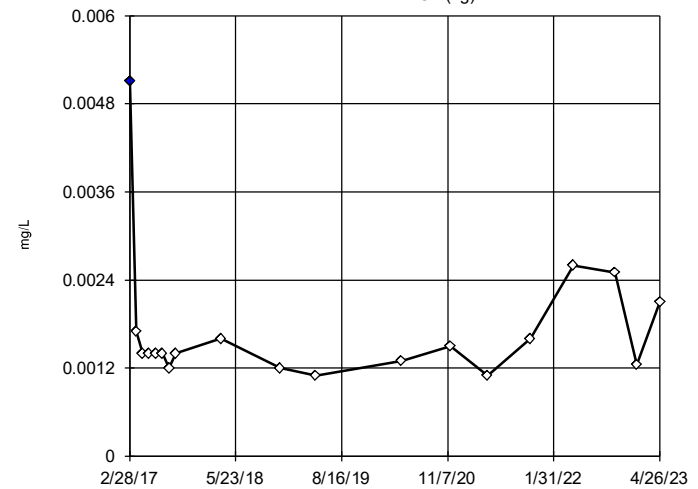
Tukey's Outlier Screening
MW-D3



n = 18
No outliers found.
Tukey's method selected by user.
Data were cube root transformed to achieve best W statistic (graph shown in original units).
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Chromium Analysis Run 7/8/2023 11:58 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

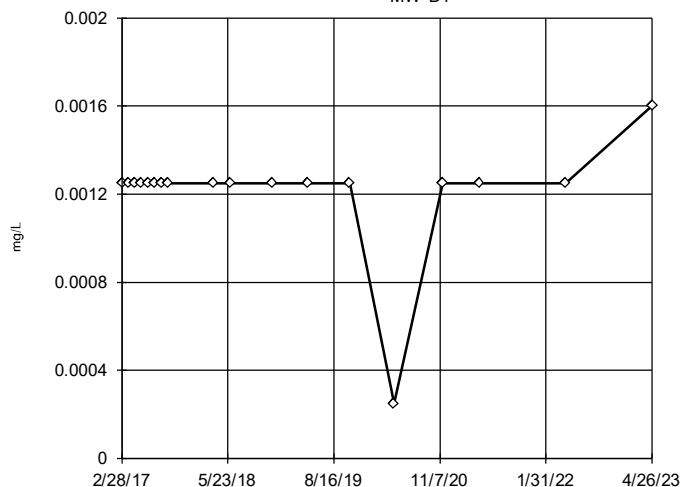
Tukey's Outlier Screening
MW-U1 (bg)



n = 19
Outlier is drawn as solid.
Tukey's method selected by user.
Data were natural log transformed to achieve best W statistic (graph shown in original units).
High cutoff = 0.004276, low cutoff = 0.0004969, based on IQR multiplier of 3.

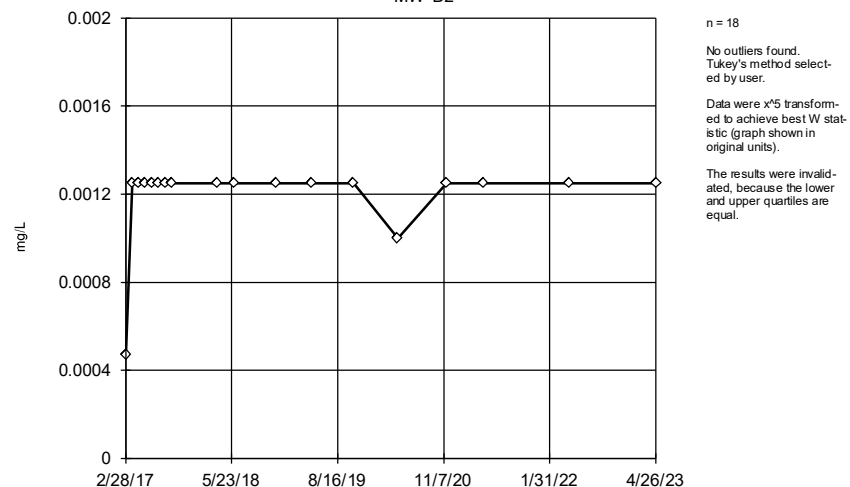
Constituent: Chromium Analysis Run 7/8/2023 11:58 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening MW-D1



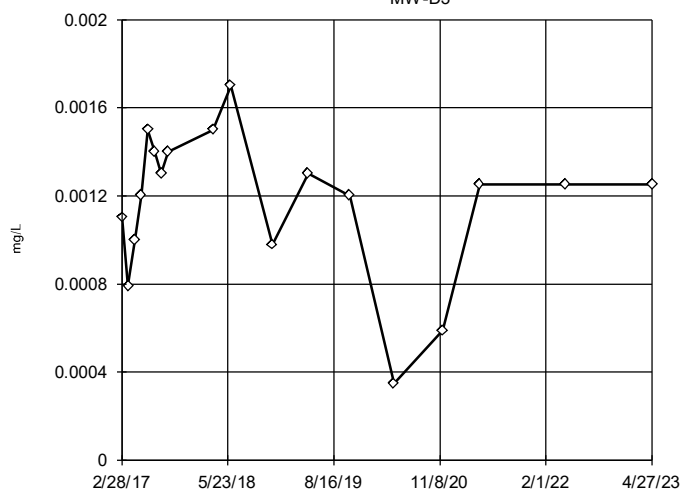
Constituent: Cobalt Analysis Run 7/8/2023 11:58 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening MW-D2



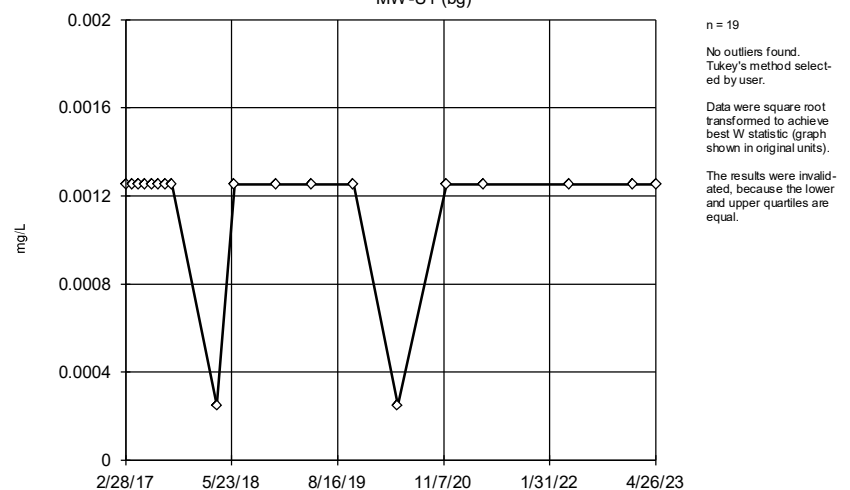
Constituent: Cobalt Analysis Run 7/8/2023 11:58 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening MW-D3



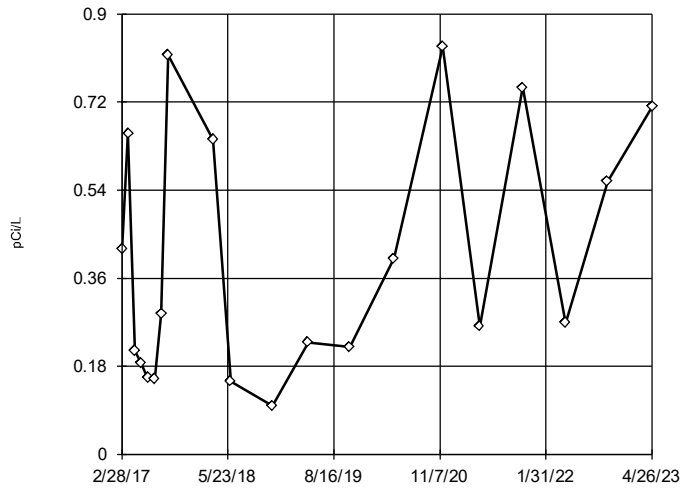
Constituent: Cobalt Analysis Run 7/8/2023 11:58 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening MW-U1 (bg)



Constituent: Cobalt Analysis Run 7/8/2023 11:58 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

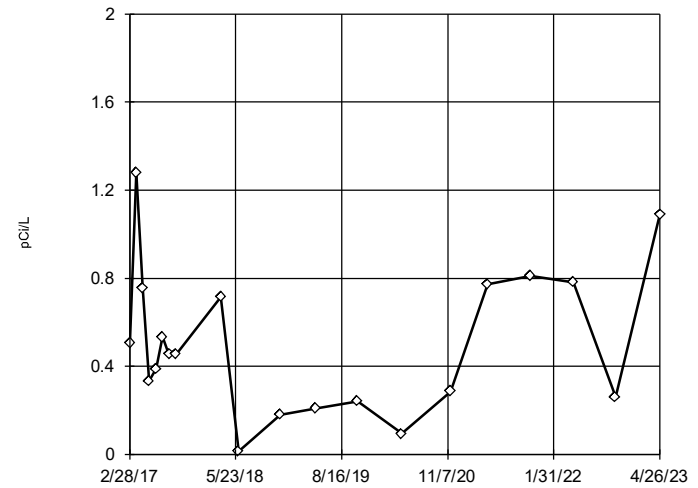
Tukey's Outlier Screening MW-D1



n = 20
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 22.65, low cutoff = 0.005689, based on IQR multiplier of 3.

Constituent: Combined Radium 226 + 228 Analysis Run 7/8/2023 11:58 AM View: Sanitas Statistics Event
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

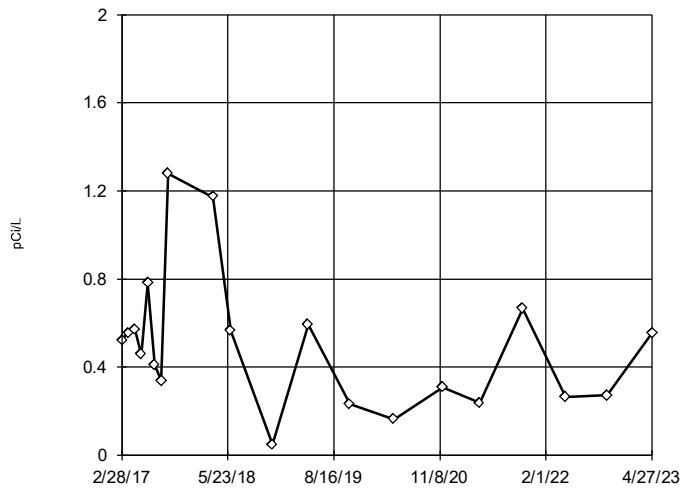
Tukey's Outlier Screening MW-D2



n = 20
 No outliers found.
 Tukey's method selected by user.
 Data were square root transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 3.979, low cutoff = -0.3836, based on IQR multiplier of 3.

Constituent: Combined Radium 226 + 228 Analysis Run 7/8/2023 11:58 AM View: Sanitas Statistics Event
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

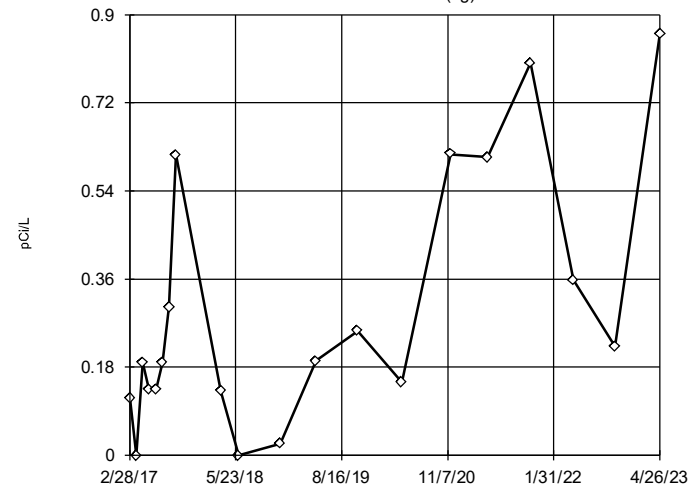
Tukey's Outlier Screening MW-D3



n = 20
 No outliers found.
 Tukey's method selected by user.
 Data were cube root transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 2.784, low cutoff = 0.0003984, based on IQR multiplier of 3.

Constituent: Combined Radium 226 + 228 Analysis Run 7/8/2023 11:58 AM View: Sanitas Statistics Event
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening MW-U1 (bg)

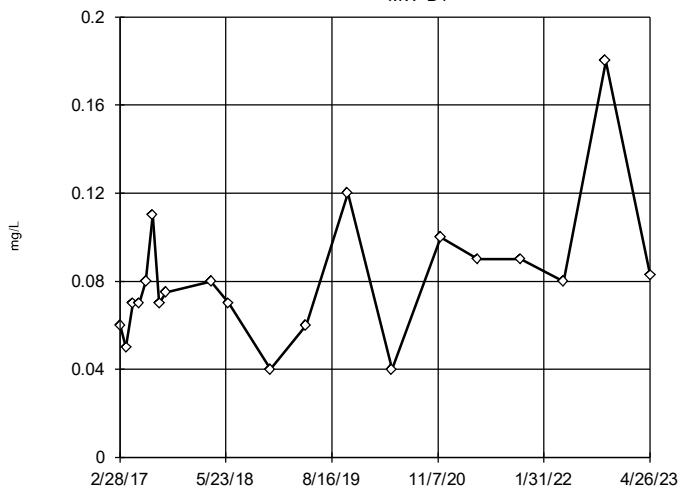


n = 20
 No outliers found.
 Tukey's method selected by user.
 Data were square root transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 2.781, low cutoff = -0.378, based on IQR multiplier of 3.

Constituent: Combined Radium 226 + 228 Analysis Run 7/8/2023 11:58 AM View: Sanitas Statistics Event
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D1

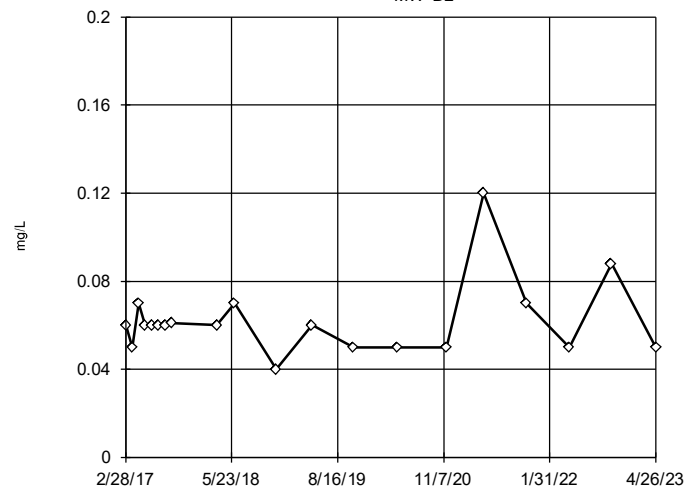


n = 20
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 0.241, low cutoff = 0.0242, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 7/8/2023 11:59 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D2

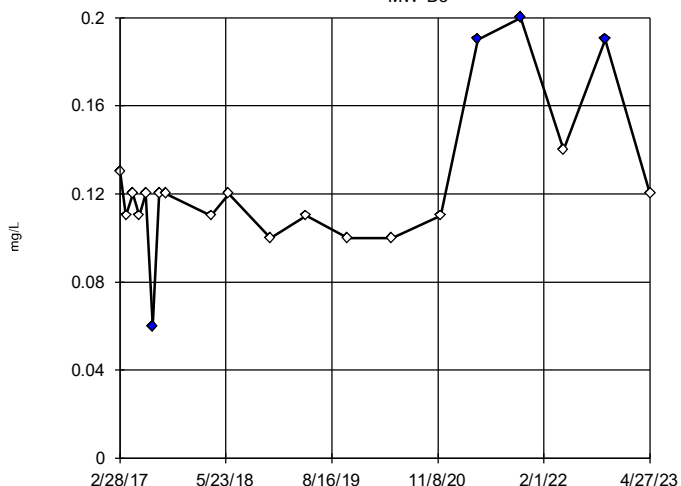


n = 20
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 0.1459, low cutoff = 0.0224, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 7/8/2023 11:59 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D3

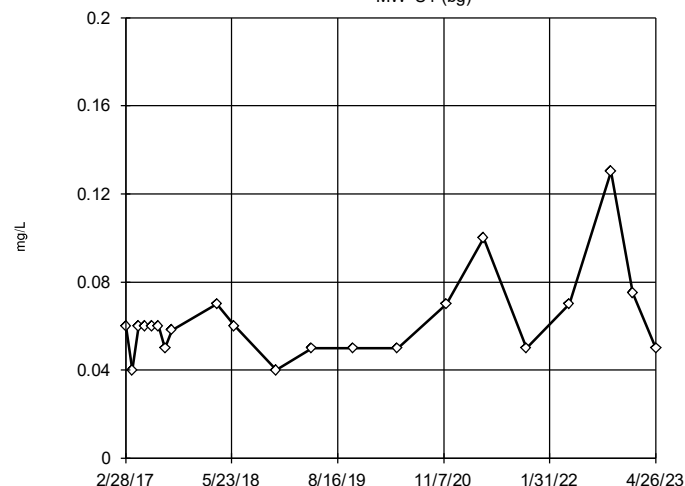


n = 20
 Outliers are drawn as solid.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 0.1828, low cutoff = 0.07514, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 7/8/2023 11:59 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-U1 (bg)

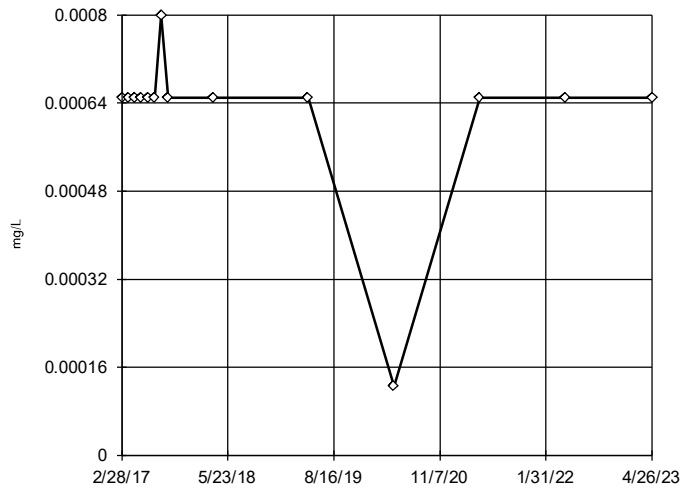


n = 21
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 0.1921, low cutoff = 0.01822, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 7/8/2023 11:59 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D1

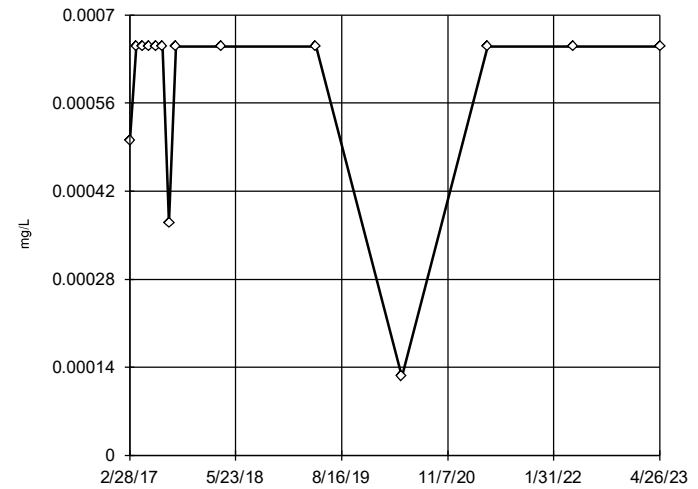


n = 14
 No outliers found. Tukey's method selected by user.
 Data were cube transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lead Analysis Run 7/8/2023 11:59 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D2

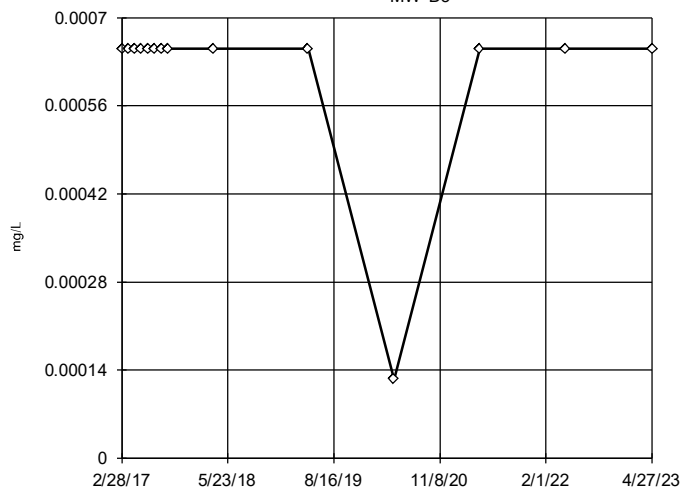


n = 14
 No outliers found. Tukey's method selected by user.
 Data were cube transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 0.0007932, low cutoff = -0.0002909, based on IQR multiplier of 3.

Constituent: Lead Analysis Run 7/8/2023 11:59 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D3

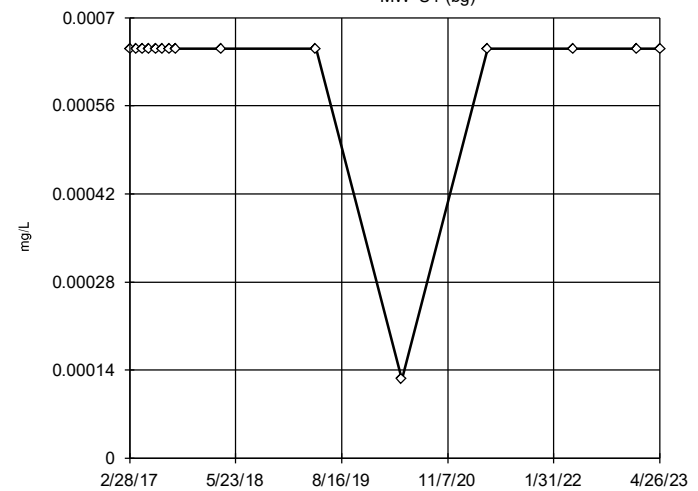


n = 14
 No outliers found. Tukey's method selected by user.
 Data were square root transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lead Analysis Run 7/8/2023 11:59 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

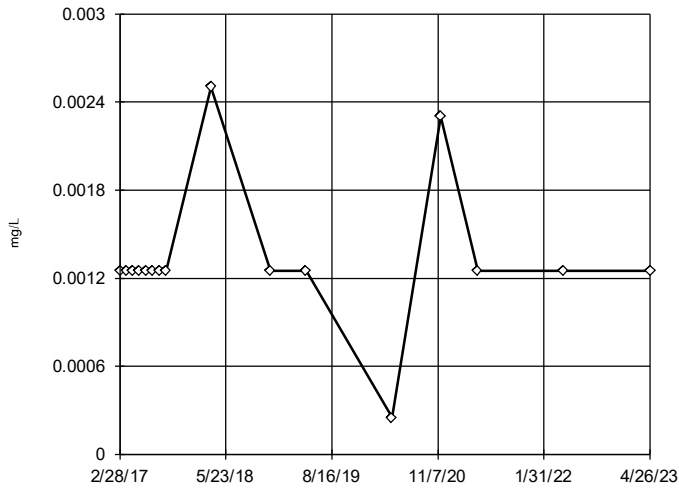
MW-U1 (bg)



n = 15
 No outliers found. Tukey's method selected by user.
 Data were x^5 transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lead Analysis Run 7/8/2023 11:59 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

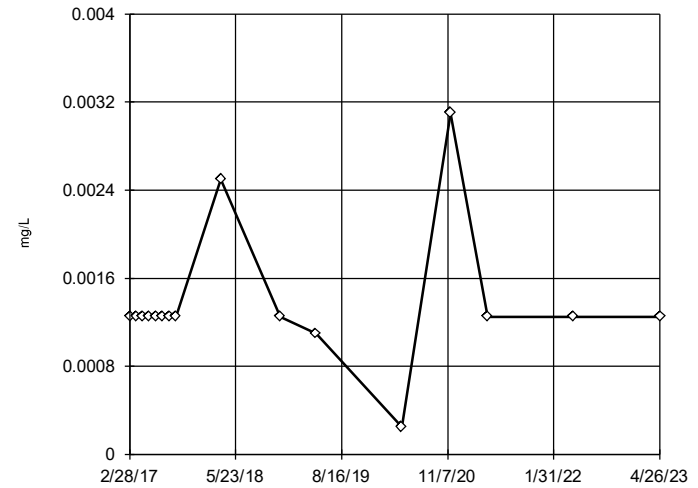
Tukey's Outlier Screening
MW-D1



n = 16
No outliers found. Tukey's method selected by user.
Ladder of Powers transformations did not improve normality; analysis run on raw data.
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lithium Analysis Run 7/8/2023 11:59 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

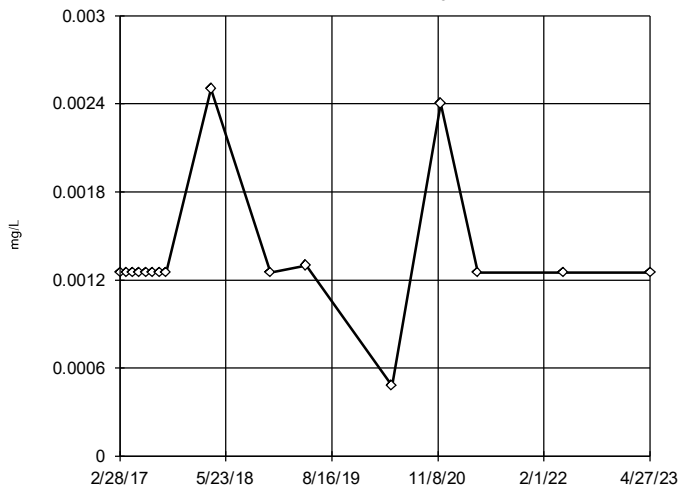
Tukey's Outlier Screening
MW-D2



n = 16
No outliers found. Tukey's method selected by user.
Data were square root transformed to achieve best W statistic (graph shown in original units).
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lithium Analysis Run 7/8/2023 11:59 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

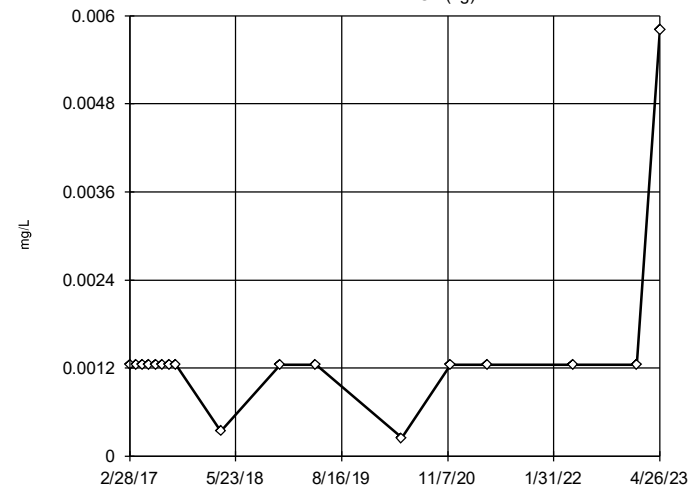
Tukey's Outlier Screening
MW-D3



n = 16
No outliers found. Tukey's method selected by user.
Data were cube root transformed to achieve best W statistic (graph shown in original units).
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lithium Analysis Run 7/8/2023 11:59 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

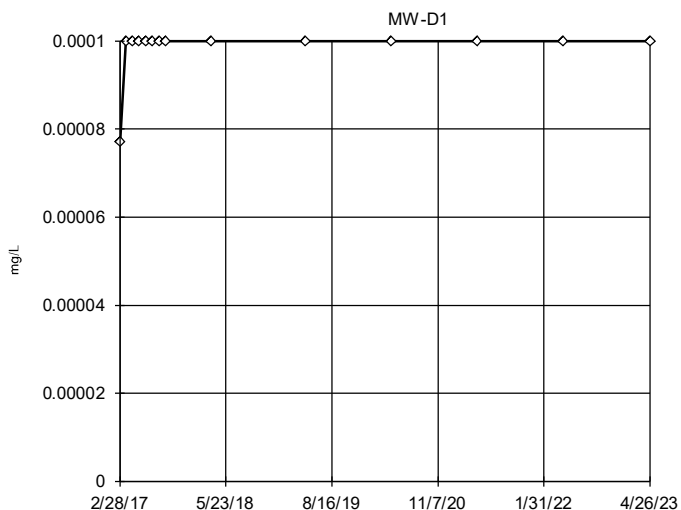
Tukey's Outlier Screening
MW-U1 (bg)



n = 17
No outliers found. Tukey's method selected by user.
Data were natural log transformed to achieve best W statistic (graph shown in original units).
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lithium Analysis Run 7/8/2023 11:59 AM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

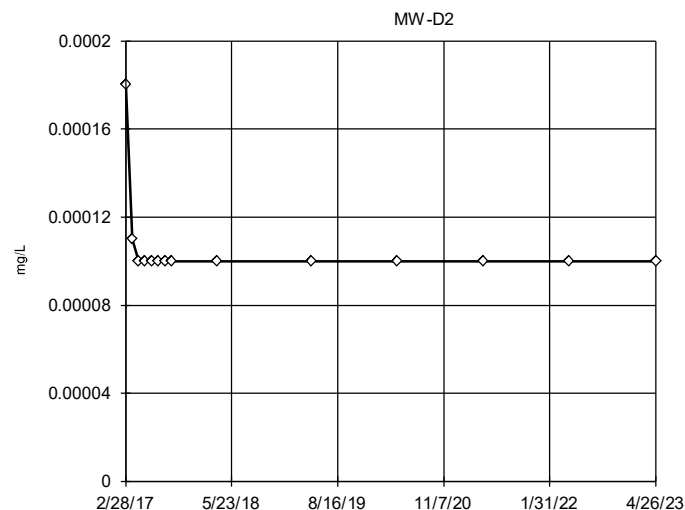
Tukey's Outlier Screening



n = 14
 No outliers found.
 Tukey's method selected by user.
 Data were square root transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 7/8/2023 11:59 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

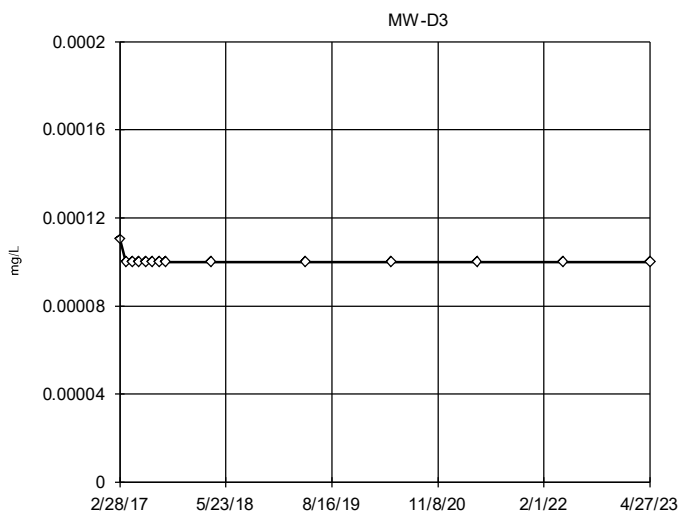
Tukey's Outlier Screening



n = 14
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 7/8/2023 11:59 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

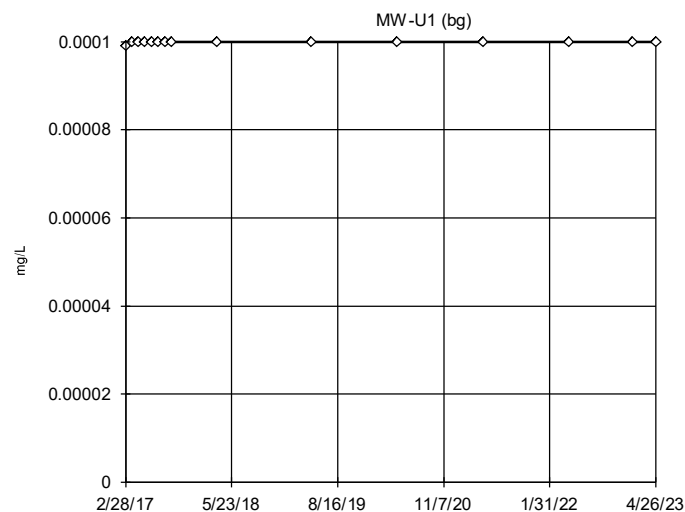
Tukey's Outlier Screening



n = 14
 No outliers found.
 Tukey's method selected by user.
 Data were cube root transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 7/8/2023 11:59 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

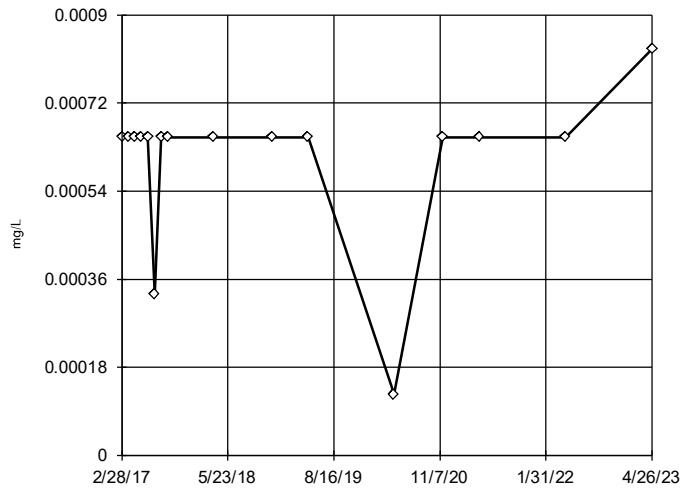
Tukey's Outlier Screening



n = 15
 No outliers found.
 Tukey's method selected by user.
 Ladder of Powers transformations did not improve normality; analysis run on raw data.
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 7/8/2023 11:59 AM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

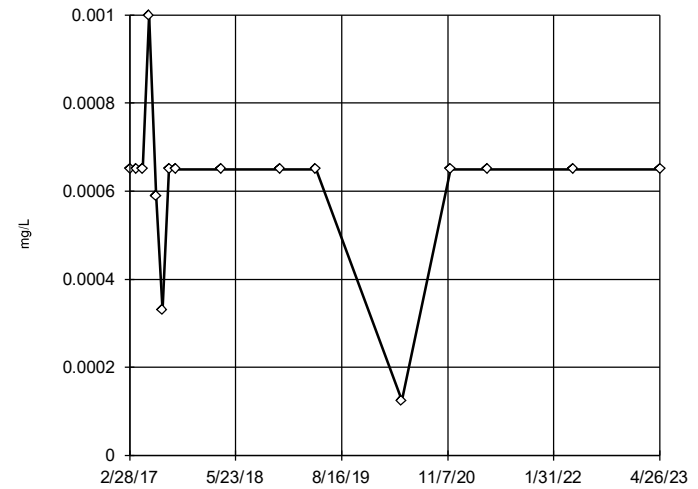
Tukey's Outlier Screening MW-D1



n = 16
 No outliers found.
 Tukey's method selected by user.
 Data were 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: Selenium Analysis Run 7/8/2023 12:00 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

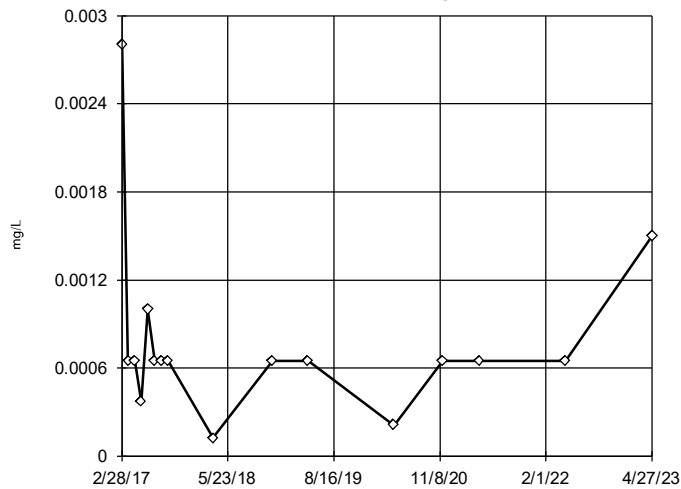
Tukey's Outlier Screening MW-D2



n = 16
 No outliers found.
 Tukey's method selected by user.
 Ladder of Powers transformations did not improve normality; analysis run on raw data.
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Selenium Analysis Run 7/8/2023 12:00 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

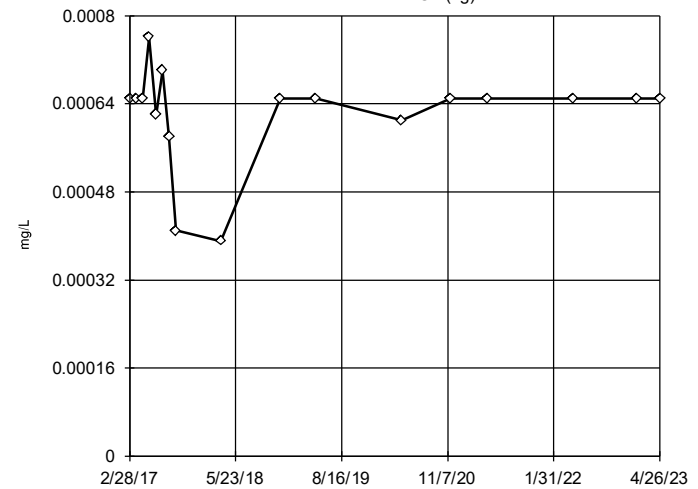
Tukey's Outlier Screening MW-D3



n = 16
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Selenium Analysis Run 7/8/2023 12:00 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening MW-U1 (bg)

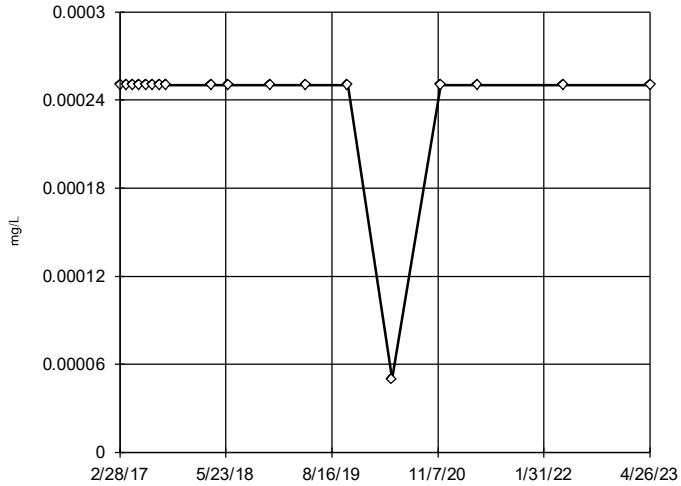


n = 17
 No outliers found.
 Tukey's method selected by user.
 Data were x^4 transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because both the lower and upper quartiles represent reporting limits.

Constituent: Selenium Analysis Run 7/8/2023 12:00 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D1



n = 18

No outliers found. Tukey's method selected by user.

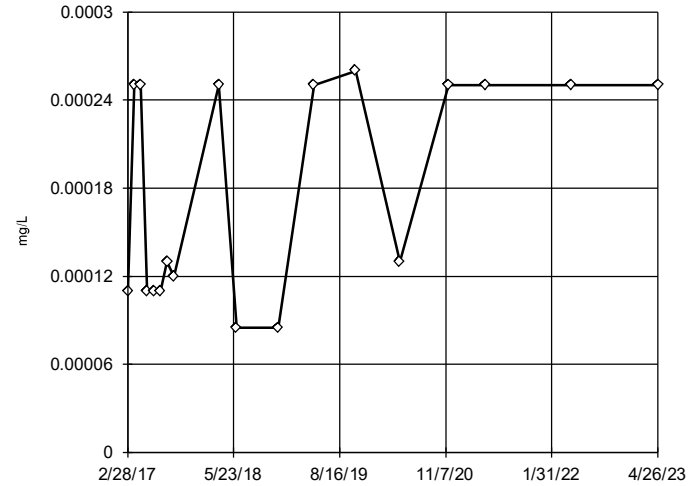
Data were x⁵ transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Thallium Analysis Run 7/8/2023 12:00 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D2



n = 18

No outliers found. Tukey's method selected by user.

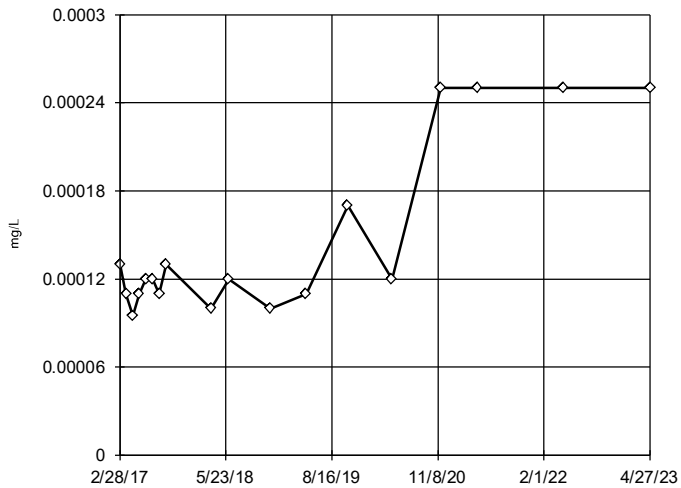
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.002935, low cutoff = 0.00000937, based on IQR multiplier of 3.

Constituent: Thallium Analysis Run 7/8/2023 12:00 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D3



n = 18

No outliers found. Tukey's method selected by user.

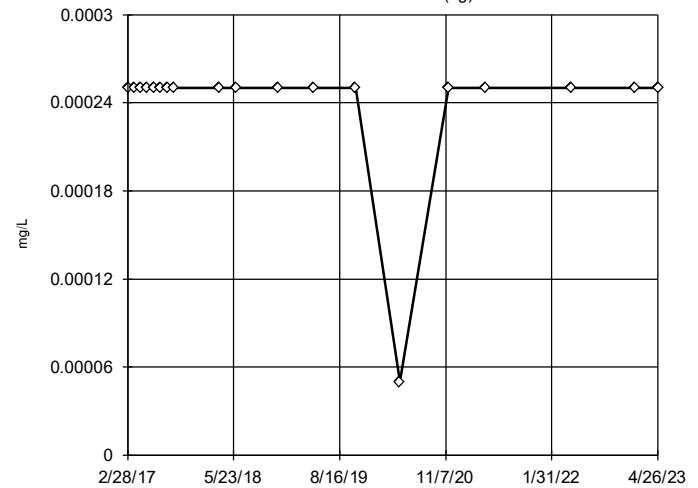
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.001357, low cutoff = 0.00001671, based on IQR multiplier of 3.

Constituent: Thallium Analysis Run 7/8/2023 12:00 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-U1 (bg)



n = 19

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Thallium Analysis Run 7/8/2023 12:00 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Outlier Analysis

CCPC Plant Crisp Ash Pond Site

Client: Geosyntec

Data: Sanitas_Statistics Sampling Events 1 through 10

Printed 7/8/2023, 12:04 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	NaN	14	0.001179	0.0002673	unknown	ShapiroWilk
Antimony (mg/L)	MW-D2	n/a	n/a	n/a	NP	NaN	14	0.001179	0.0002673	unknown	ShapiroWilk
Antimony (mg/L)	MW-D3	n/a	n/a	n/a	NP	NaN	14	0.001179	0.0002673	unknown	ShapiroWilk
Antimony (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	15	0.001183	0.0002582	unknown	ShapiroWilk
Arsenic (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	20	0.000...	0.0001829	unknown	ShapiroWilk
Arsenic (mg/L)	MW-D2	n/a	n/a	n/a	NP	NaN	20	0.000...	0.0001838	unknown	ShapiroWilk
Arsenic (mg/L)	MW-D3	No	n/a	n/a	NP	NaN	20	0.000...	0.0003212	ln(x)	ShapiroWilk
Arsenic (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	21	0.000...	0.0003518	unknown	ShapiroWilk
Barium (mg/L)	MW-D1	No	n/a	n/a	NP	NaN	20	0.01477	0.004868	ln(x)	ShapiroWilk
Barium (mg/L)	MW-D2	No	n/a	n/a	NP	NaN	20	0.1439	0.02514	normal	ShapiroWilk
Barium (mg/L)	MW-D3	No	n/a	n/a	NP	NaN	20	0.1411	0.0603	normal	ShapiroWilk
Barium (mg/L)	MW-U1 (bg)	Yes	0.0062	11/19/2020	NP	NaN	21	0.002529	0.0009398	ln(x)	ShapiroWilk
Beryllium (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	14	0.000...	0.0002289	unknown	ShapiroWilk
Beryllium (mg/L)	MW-D2	n/a	n/a	n/a	NP	NaN	14	0.000...	0.0002289	unknown	ShapiroWilk
Beryllium (mg/L)	MW-D3	n/a	n/a	n/a	NP	NaN	14	0.000...	0.0002289	unknown	ShapiroWilk
Beryllium (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	15	0.000...	0.0002208	unknown	ShapiroWilk
Cadmium (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	15	0.000...	0.0002259	unknown	ShapiroWilk
Cadmium (mg/L)	MW-D2	n/a	n/a	n/a	NP	NaN	15	0.000...	0.0002293	unknown	ShapiroWilk
Cadmium (mg/L)	MW-D3	n/a	n/a	n/a	NP	NaN	15	0.000...	0.0002299	unknown	ShapiroWilk
Cadmium (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	16	0.000...	0.0002183	unknown	ShapiroWilk
Chromium (mg/L)	MW-D1	Yes	0.0034,0....	2/28/2017...	NP	NaN	18	0.001428	0.0006408	sqrt(x)	ShapiroWilk
Chromium (mg/L)	MW-D2	n/a	n/a	n/a	NP	NaN	18	0.001408	0.0007226	unknown	ShapiroWilk
Chromium (mg/L)	MW-D3	n/a	n/a	n/a	NP	NaN	18	0.001422	0.0007353	unknown	ShapiroWilk
Chromium (mg/L)	MW-U1 (bg)	Yes	0.0051	2/28/2017	NP	NaN	19	0.001729	0.0009203	ln(x)	ShapiroWilk
Cobalt (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	18	0.001214	0.0002543	unknown	ShapiroWilk
Cobalt (mg/L)	MW-D2	n/a	n/a	n/a	NP	NaN	18	0.001193	0.0001897	unknown	ShapiroWilk
Cobalt (mg/L)	MW-D3	No	n/a	n/a	NP	NaN	18	0.00117	0.0003328	x^2	ShapiroWilk
Cobalt (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	19	0.001145	0.0003153	unknown	ShapiroWilk
Combined Radium 226 + 228 (pCi/L)	MW-D1	No	n/a	n/a	NP	NaN	20	0.4004	0.2507	ln(x)	ShapiroWilk
Combined Radium 226 + 228 (pCi/L)	MW-D2	No	n/a	n/a	NP	NaN	20	0.5079	0.3344	sqrt(x)	ShapiroWilk
Combined Radium 226 + 228 (pCi/L)	MW-D3	No	n/a	n/a	NP	NaN	20	0.4997	0.3099	x^(1/3)	ShapiroWilk
Combined Radium 226 + 228 (pCi/L)	MW-U1 (bg)	No	n/a	n/a	NP	NaN	20	0.2948	0.2617	sqrt(x)	ShapiroWilk
Fluoride (mg/L)	MW-D1	No	n/a	n/a	NP	NaN	20	0.0809	0.03113	ln(x)	ShapiroWilk
Fluoride (mg/L)	MW-D2	No	n/a	n/a	NP	NaN	20	0.06195	0.01718	ln(x)	ShapiroWilk
Fluoride (mg/L)	MW-D3	Yes	0.06,0.19...	7/17/2017...	NP	NaN	20	0.124	0.03378	ln(x)	ShapiroWilk
Fluoride (mg/L)	MW-U1 (bg)	No	n/a	n/a	NP	NaN	21	0.06252	0.02037	ln(x)	ShapiroWilk
Lead (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	14	0.000...	0.0001489	unknown	ShapiroWilk
Lead (mg/L)	MW-D2	No	n/a	n/a	NP	NaN	14	0.000...	0.0001548	x^3	ShapiroWilk
Lead (mg/L)	MW-D3	n/a	n/a	n/a	NP	NaN	14	0.000...	0.0001403	unknown	ShapiroWilk
Lead (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	15	0.000615	0.0001356	unknown	ShapiroWilk
Lithium (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	16	0.001331	0.0004871	unknown	ShapiroWilk
Lithium (mg/L)	MW-D2	n/a	n/a	n/a	NP	NaN	16	0.001372	0.0006202	unknown	ShapiroWilk
Lithium (mg/L)	MW-D3	n/a	n/a	n/a	NP	NaN	16	0.001355	0.0004693	unknown	ShapiroWilk
Lithium (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	17	0.001405	0.001176	unknown	ShapiroWilk
Mercury (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	14	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-D2	n/a	n/a	n/a	NP	NaN	14	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-D3	n/a	n/a	n/a	NP	NaN	14	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	15	0.000...	2.6e-7	unknown	ShapiroWilk
Molybdenum (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	18	0.005194	0.001655	unknown	ShapiroWilk
Molybdenum (mg/L)	MW-D2	Yes	0.01	10/20/2022	NP	NaN	18	0.004656	0.002133	normal	ShapiroWilk

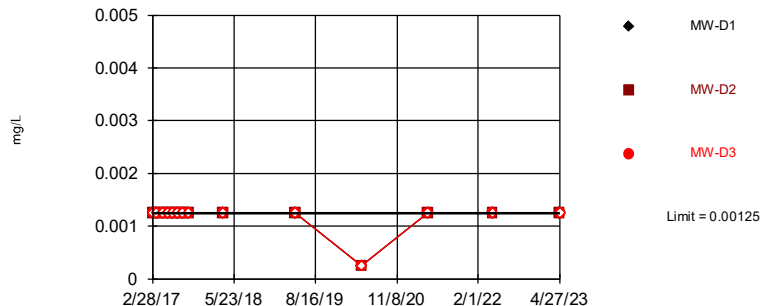
Outlier Analysis

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10 Printed 7/8/2023, 12:04 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	NaN	18	0.003583	0.001833	ln(x)	ShapiroWilk
Molybdenum (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	19	0.004868	0.001715	unknown	ShapiroWilk
Selenium (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	16	0.000...	0.0001597	unknown	ShapiroWilk
Selenium (mg/L)	MW-D2	n/a	n/a	n/a	NP	NaN	16	0.000...	0.0001798	unknown	ShapiroWilk
Selenium (mg/L)	MW-D3	n/a	n/a	n/a	NP	NaN	16	0.000...	0.0006185	unknown	ShapiroWilk
Selenium (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	17	0.000...	0.0000...	unknown	ShapiroWilk
Thallium (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	18	0.000...	0.0000...	unknown	ShapiroWilk
Thallium (mg/L)	MW-D2	No	n/a	n/a	NP	NaN	18	0.000...	0.0000735	ln(x)	ShapiroWilk
Thallium (mg/L)	MW-D3	No	n/a	n/a	NP	NaN	18	0.000...	0.0000...	ln(x)	ShapiroWilk
Thallium (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	19	0.000...	0.0000...	unknown	ShapiroWilk

Within Limit

Tolerance Limit
Interwell Non-parametric

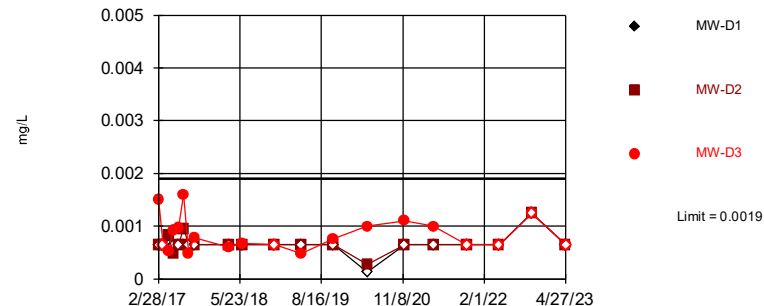


Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. All background values were censored; limit is most recent reporting limit. 73.63% coverage at alpha=0.01; 81.84% coverage at alpha=0.05; 95.51% coverage at alpha=0.5. Report alpha = 0.4633.

Constituent: Antimony Analysis Run 7/8/2023 12:08 PM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Within Limit

Tolerance Limit
Interwell Non-parametric

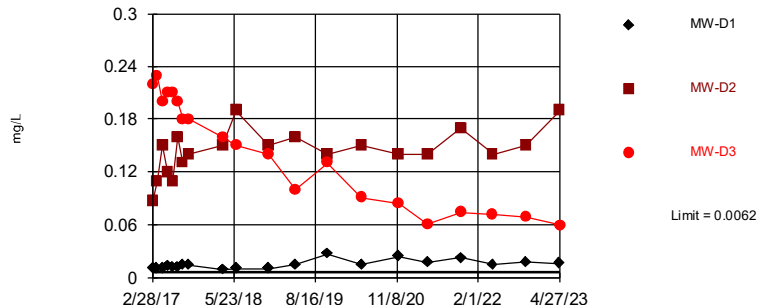


Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. Limit is highest of 21 background values. 80.95% NDs. 80.27% coverage at alpha=0.01; 86.52% coverage at alpha=0.05; 96.68% coverage at alpha=0.5. Report alpha = 0.3406.

Constituent: Arsenic Analysis Run 7/8/2023 12:08 PM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

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

Tolerance Limit
Interwell Non-parametric

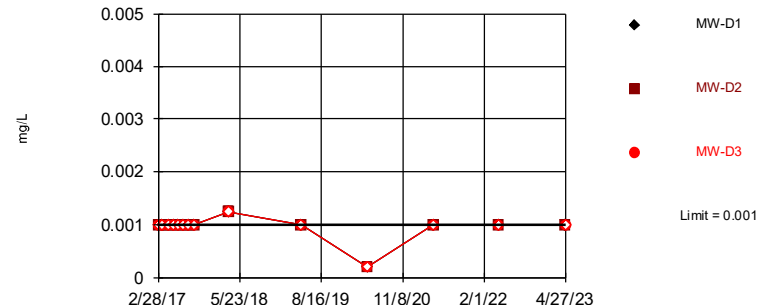


Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Most recent observation is compared with limit. Limit is highest of 21 background values. 80.27% coverage at alpha=0.01; 86.52% coverage at alpha=0.05; 96.68% coverage at alpha=0.5. Report alpha = 0.3406.

Constituent: Barium Analysis Run 7/8/2023 12:08 PM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Within Limit

Tolerance Limit
Interwell Non-parametric

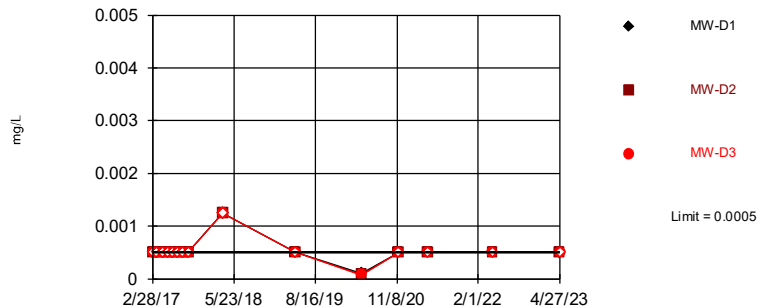


Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. All background values were censored; limit is most recent reporting limit. 73.63% coverage at alpha=0.01; 81.84% coverage at alpha=0.05; 95.51% coverage at alpha=0.5. Report alpha = 0.4633.

Constituent: Beryllium Analysis Run 7/8/2023 12:08 PM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Within Limit

Tolerance Limit
Interwell Non-parametric

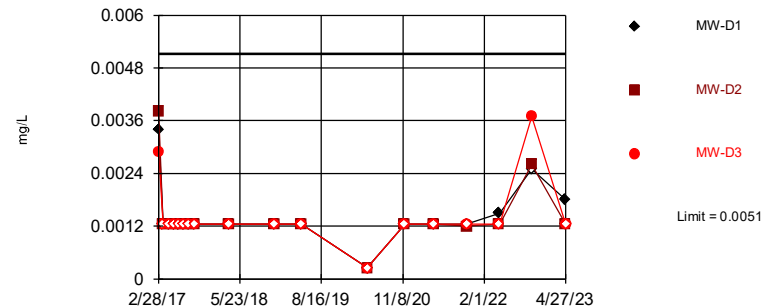


Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. All background values were censored; limit is most recent reporting limit. 74.8% coverage at alpha=0.01; 83.01% coverage at alpha=0.05; 95.9% coverage at alpha=0.5. Report alpha = 0.4401.

Constituent: Cadmium Analysis Run 7/8/2023 12:08 PM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Within Limit

Tolerance Limit
Interwell Non-parametric

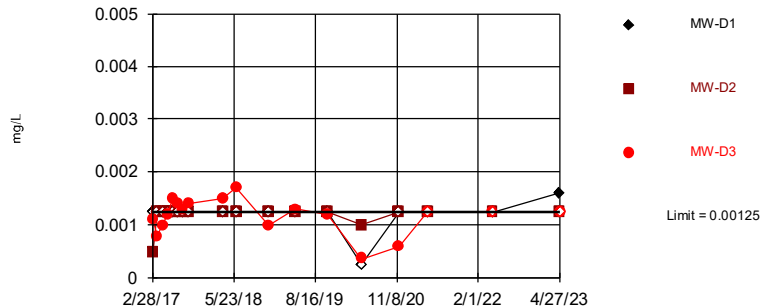


Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Most recent observation is compared with limit. Limit is highest of 19 background values. 10.53% NDs. 78.32% coverage at alpha=0.01; 85.35% coverage at alpha=0.05; 96.29% coverage at alpha=0.5. Report alpha = 0.3774.

Constituent: Chromium Analysis Run 7/8/2023 12:08 PM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Within Limit

Tolerance Limit
Interwell Non-parametric

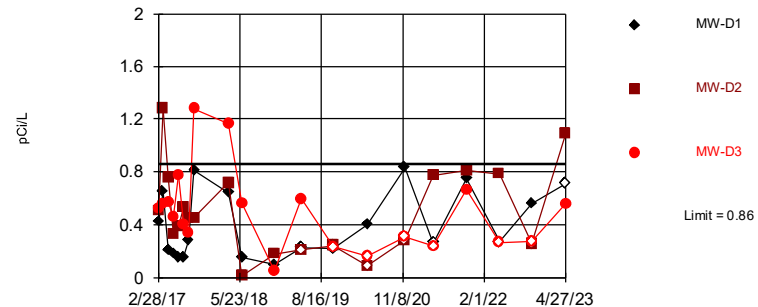


Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. All background values were censored; limit is most recent reporting limit. 78.32% coverage at alpha=0.01; 85.35% coverage at alpha=0.05; 96.29% coverage at alpha=0.5. Report alpha = 0.3774.

Constituent: Cobalt Analysis Run 7/8/2023 12:08 PM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Exceeds Limit: MW-D2

Tolerance Limit
Interwell Non-parametric

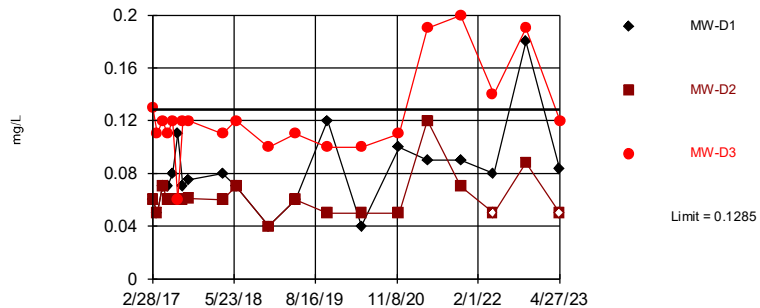


Non-parametric test used in lieu of parametric tolerance limit because the data required both a power transformation and Cohen's adjustment. Most recent observation is compared with limit. Limit is highest of 20 background values. 30% NDs. 79.49% coverage at alpha=0.01; 86.13% coverage at alpha=0.05; 96.68% coverage at alpha=0.5. Report alpha = 0.3585.

Constituent: Combined Radium 226 + 228 Analysis Run 7/8/2023 12:08 PM View: Sanitas Statistics Event
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Within Limit

Tolerance Limit
Interwell Parametric

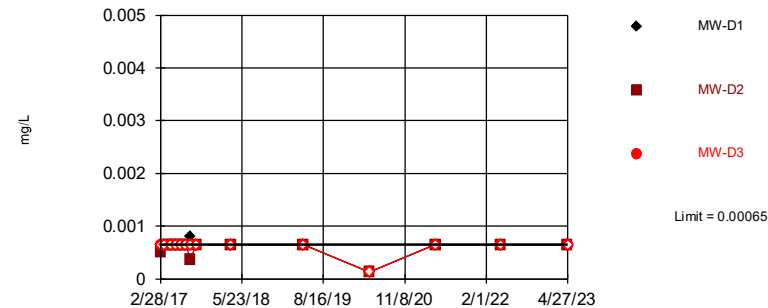


95% coverage. Most recent observation is compared with limit. Background Data Summary (based on natural log transformation): Mean=-2.812, Std. Dev.=0.2747, n=21, 14.29% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8866, critical = 0.873. Report alpha = 0.01.

Constituent: Fluoride Analysis Run 7/8/2023 12:08 PM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Within Limit

Tolerance Limit
Interwell Non-parametric

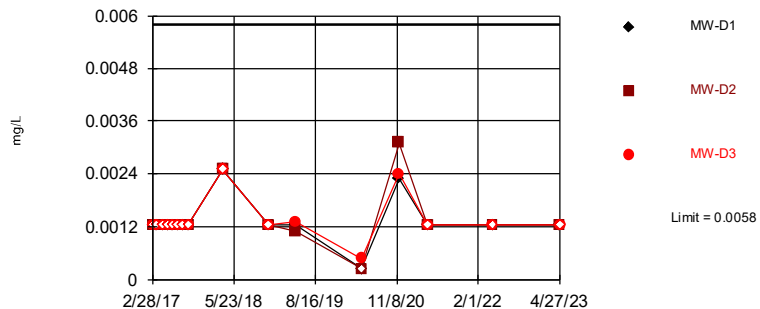


Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. Limit is highest of 15 background values. 93.33% NDs. 73.63% coverage at alpha=0.01; 81.84% coverage at alpha=0.05; 95.51% coverage at alpha=0.5. Report alpha = 0.4633.

Constituent: Lead Analysis Run 7/8/2023 12:08 PM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Within Limit

Tolerance Limit
Interwell Non-parametric

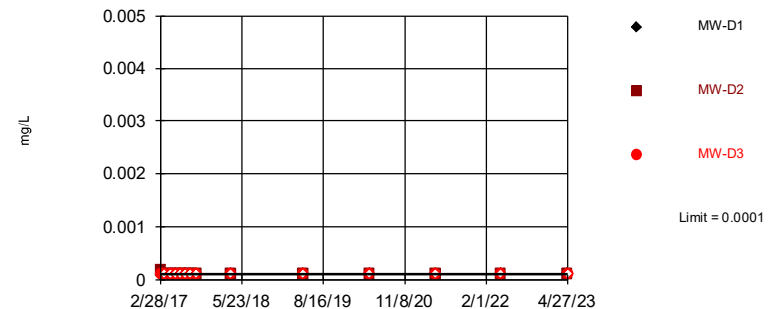


Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. Limit is highest of 17 background values. 88.24% NDs. 76.37% coverage at alpha=0.01; 83.79% coverage at alpha=0.05; 95.9% coverage at alpha=0.5. Report alpha = 0.4181.

Constituent: Lithium Analysis Run 7/8/2023 12:08 PM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Within Limit

Tolerance Limit
Interwell Non-parametric

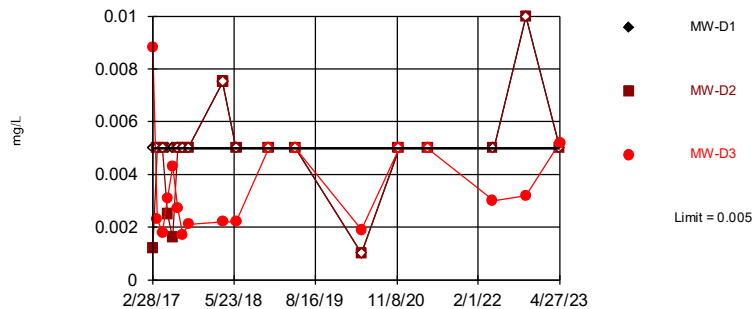


Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. Limit is highest of 15 background values. 93.33% NDs. 73.63% coverage at alpha=0.01; 81.84% coverage at alpha=0.05; 95.51% coverage at alpha=0.5. Report alpha = 0.4633.

Constituent: Mercury Analysis Run 7/8/2023 12:09 PM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Within Limit

Tolerance Limit
 Interwell Non-parametric

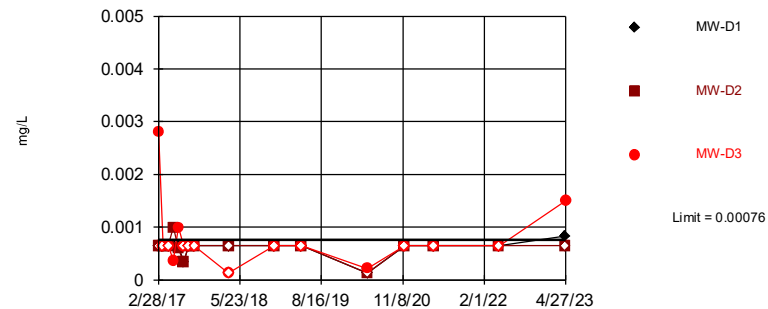


Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. All background values were censored; limit is most recent reporting limit. 78.32% coverage at alpha=0.01; 85.35% coverage at alpha=0.05; 96.29% coverage at alpha=0.5. Report alpha = 0.3774.

Constituent: Molybdenum Analysis Run 7/8/2023 12:09 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Exceeds Limit: MW-D3

Tolerance Limit
 Interwell Non-parametric

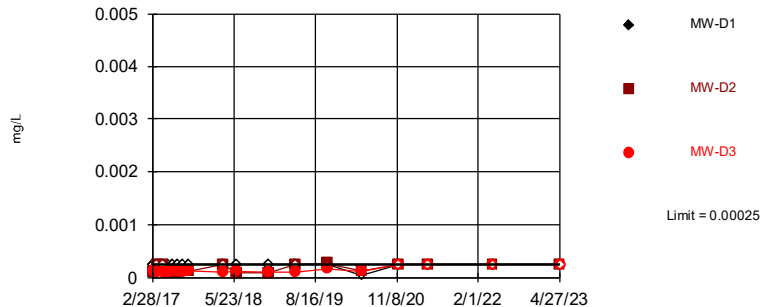


Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Most recent observation is compared with limit. Limit is highest of 17 background values. 58.82% NDs. 76.37% coverage at alpha=0.01; 83.79% coverage at alpha=0.05; 95.9% coverage at alpha=0.5. Report alpha = 0.4181.

Constituent: Selenium Analysis Run 7/8/2023 12:09 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

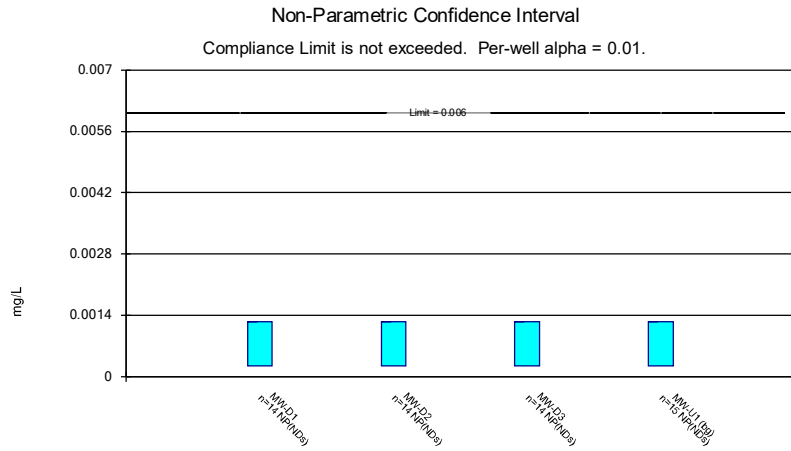
Within Limit

Tolerance Limit
 Interwell Non-parametric

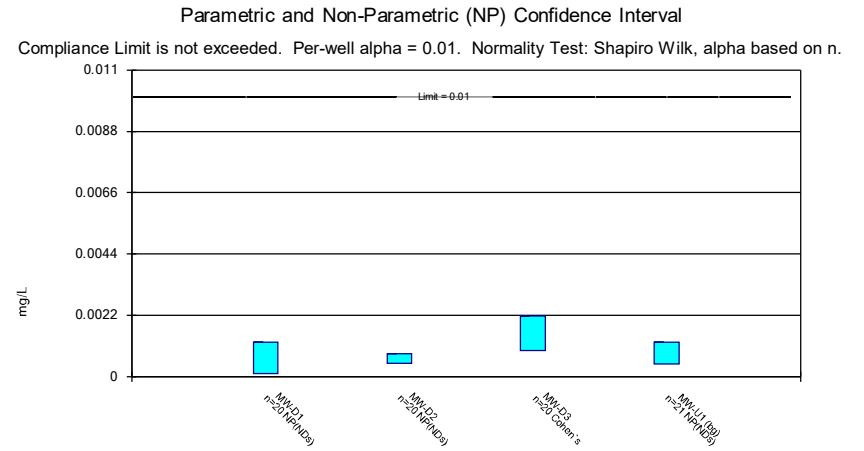


Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. All background values were censored; limit is most recent reporting limit. 78.32% coverage at alpha=0.01; 85.35% coverage at alpha=0.05; 96.29% coverage at alpha=0.5. Report alpha = 0.3774.

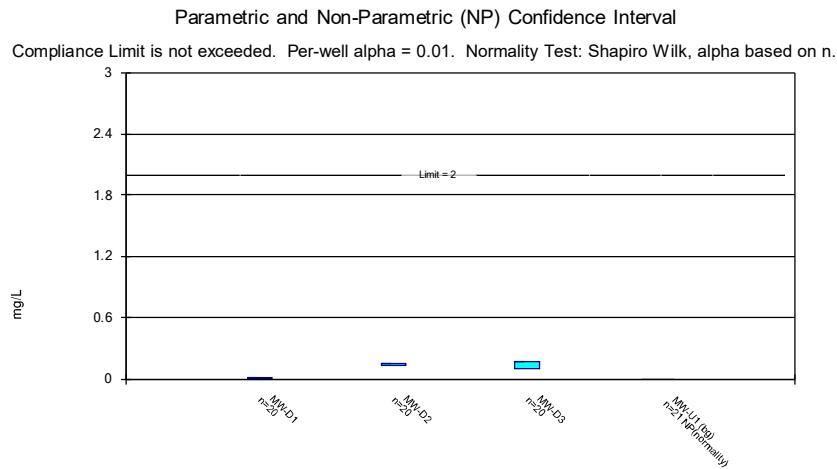
Constituent: Thallium Analysis Run 7/8/2023 12:09 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10



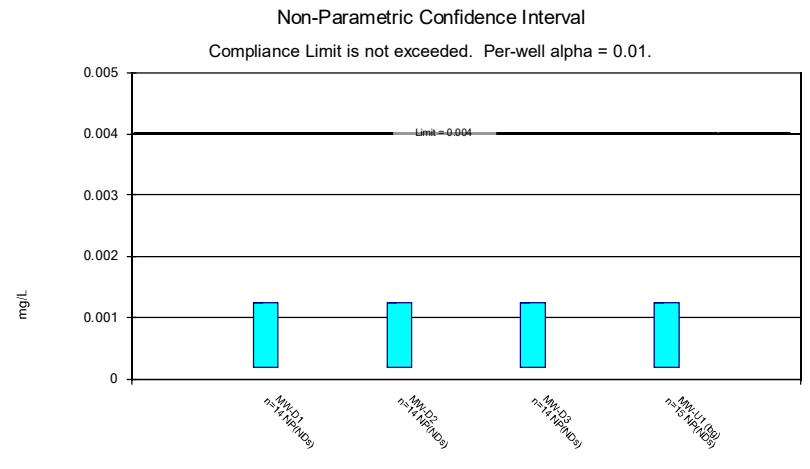
Constituent: Antimony Analysis Run 7/8/2023 12:12 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10



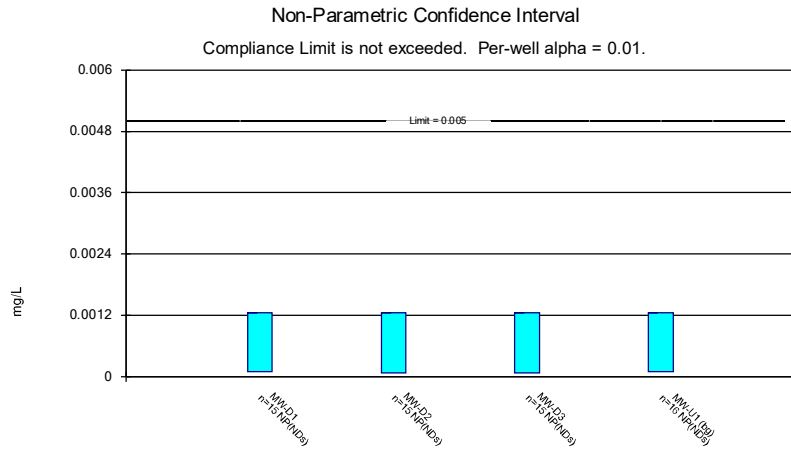
Constituent: Arsenic Analysis Run 7/8/2023 12:12 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10



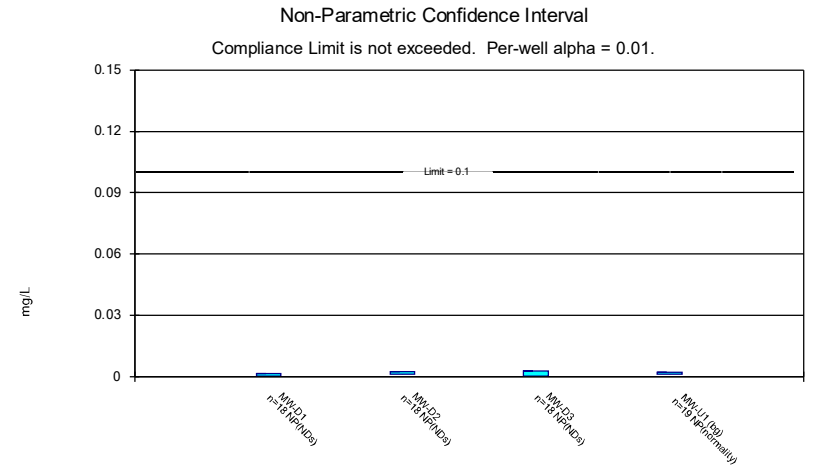
Constituent: Barium Analysis Run 7/8/2023 12:12 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10



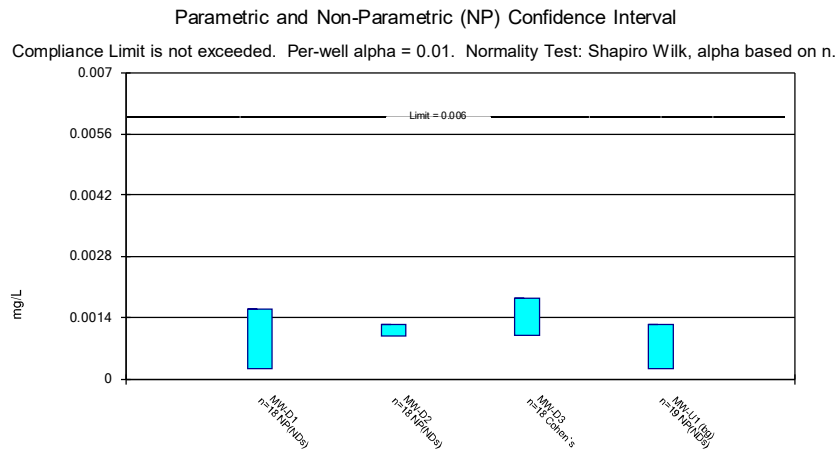
Constituent: Beryllium Analysis Run 7/8/2023 12:12 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10



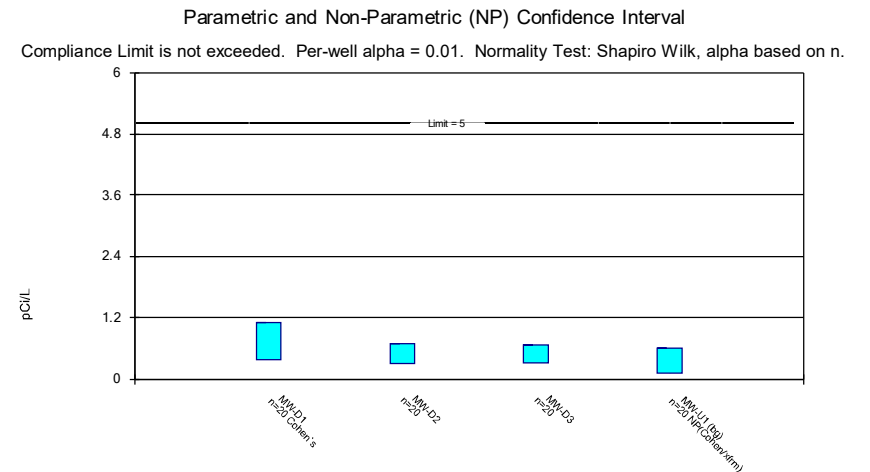
Constituent: Cadmium Analysis Run 7/8/2023 12:12 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10



Constituent: Chromium Analysis Run 7/8/2023 12:12 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10



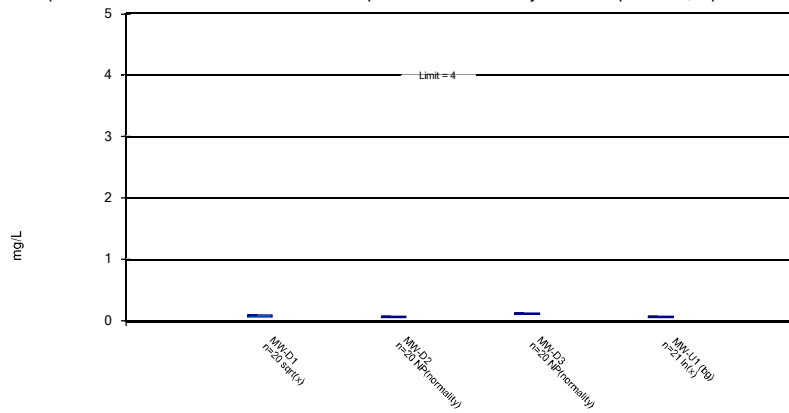
Constituent: Cobalt Analysis Run 7/8/2023 12:12 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10



Constituent: Combined Radium 226 + 228 Analysis Run 7/8/2023 12:12 PM View: Sanitas Statistics Event
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Parametric and Non-Parametric (NP) Confidence Interval

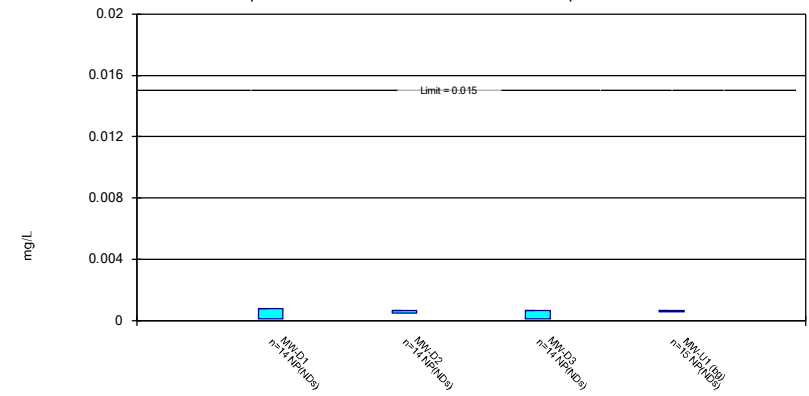
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 7/8/2023 12:12 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Non-Parametric Confidence Interval

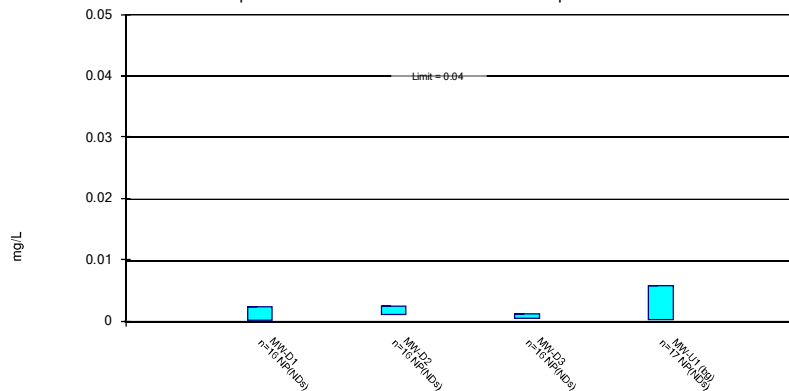
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 7/8/2023 12:12 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Non-Parametric Confidence Interval

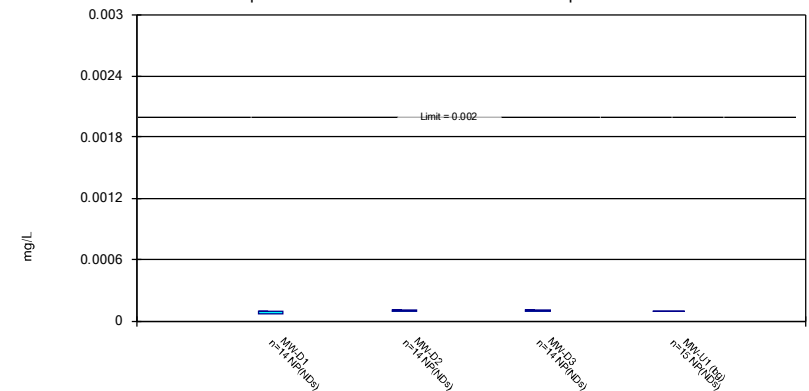
Compliance Limit is not exceeded. Per-well alpha = 0.01.



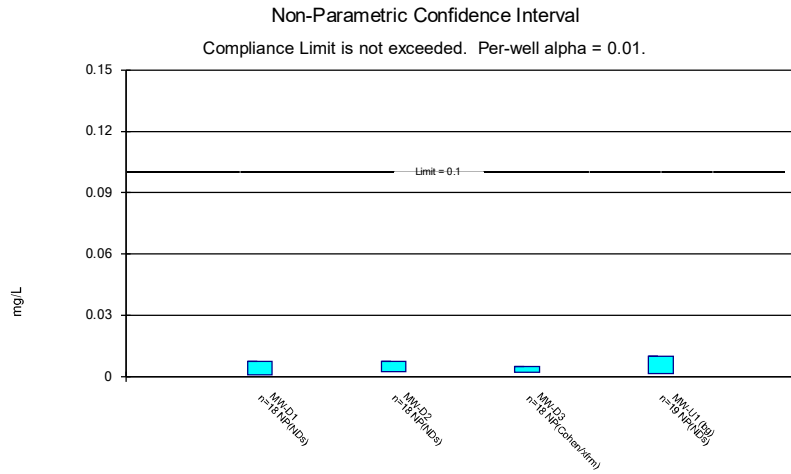
Constituent: Lithium Analysis Run 7/8/2023 12:12 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Non-Parametric Confidence Interval

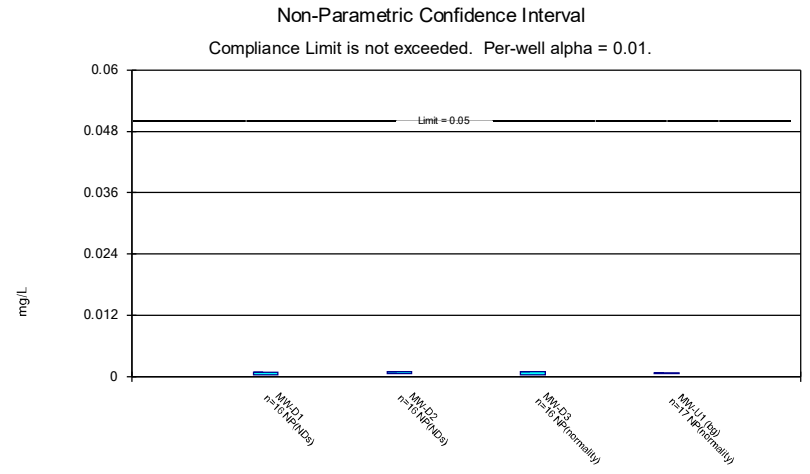
Compliance Limit is not exceeded. Per-well alpha = 0.01.



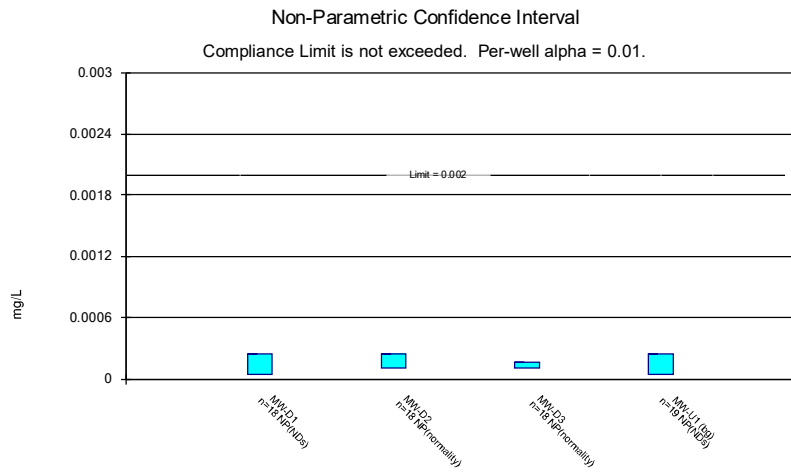
Constituent: Mercury Analysis Run 7/8/2023 12:12 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10



Constituent: Molybdenum Analysis Run 7/8/2023 12:12 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

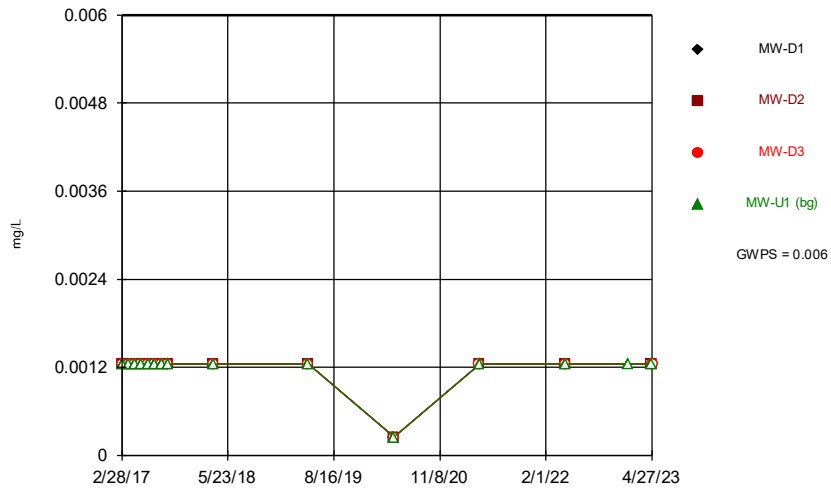


Constituent: Selenium Analysis Run 7/8/2023 12:12 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10



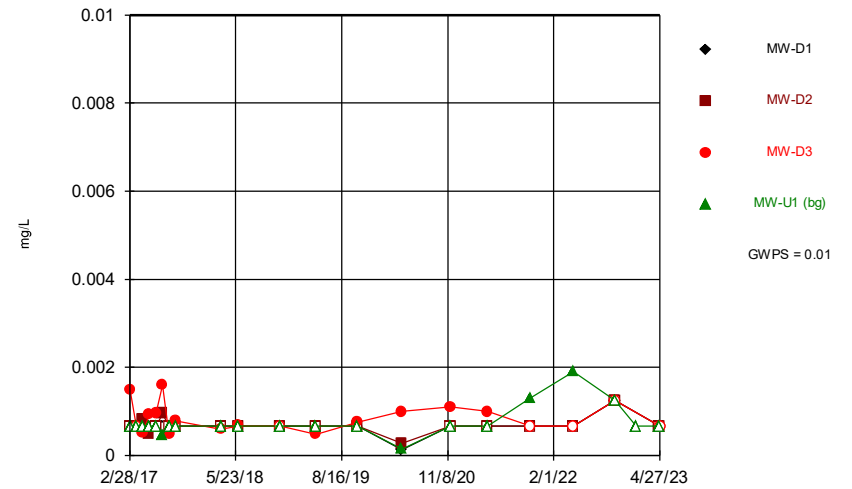
Constituent: Thallium Analysis Run 7/8/2023 12:12 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



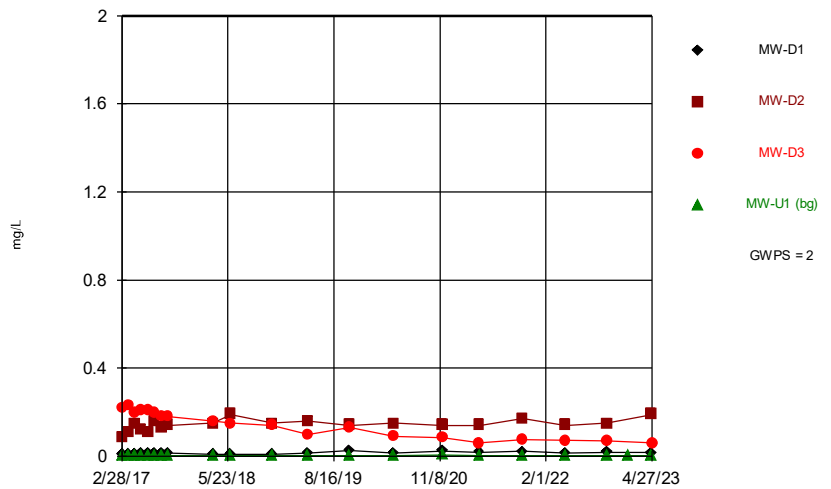
Constituent: Antimony Analysis Run 7/8/2023 12:14 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



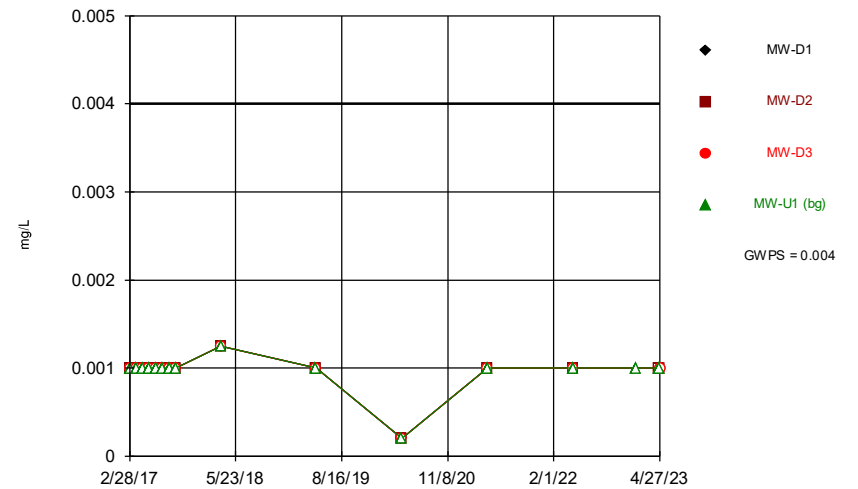
Constituent: Arsenic Analysis Run 7/8/2023 12:14 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



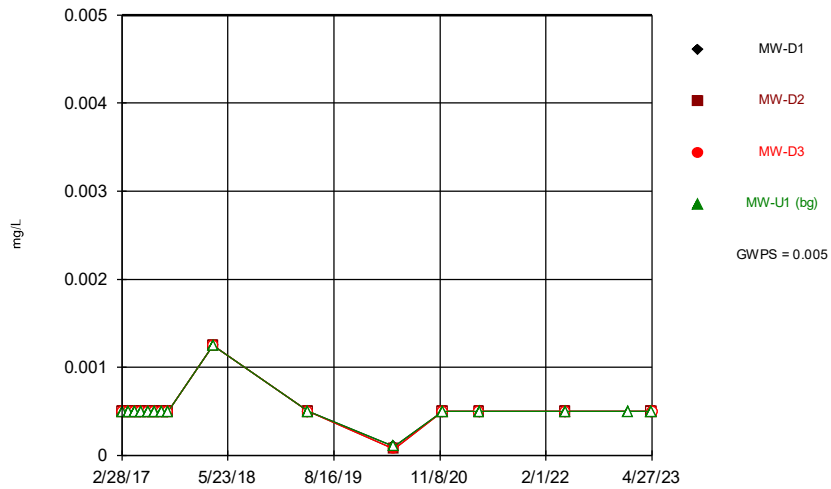
Constituent: Barium Analysis Run 7/8/2023 12:14 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



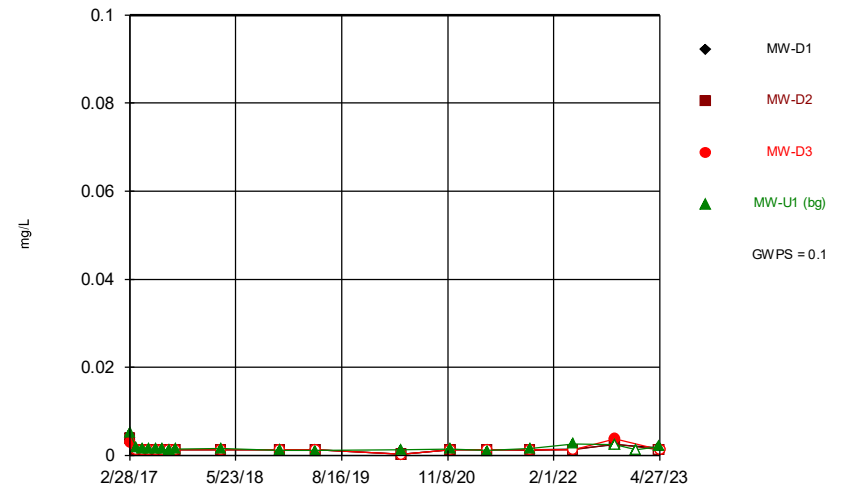
Constituent: Beryllium Analysis Run 7/8/2023 12:14 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



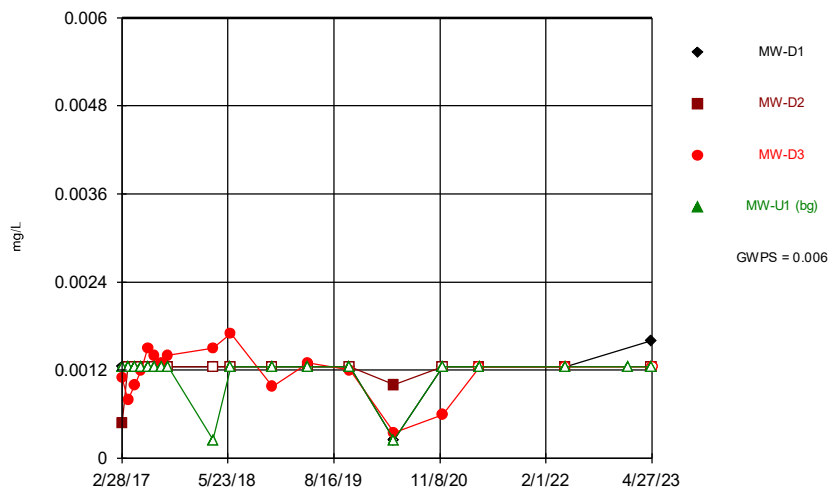
Constituent: Cadmium Analysis Run 7/8/2023 12:14 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



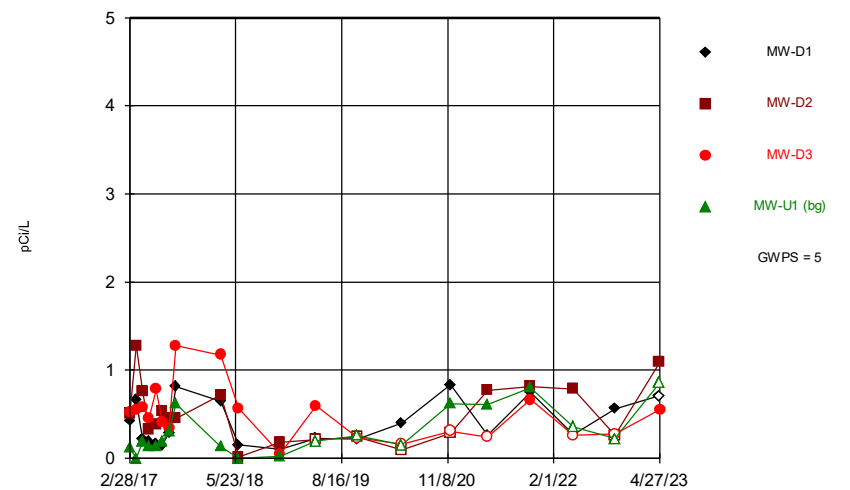
Constituent: Chromium Analysis Run 7/8/2023 12:14 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



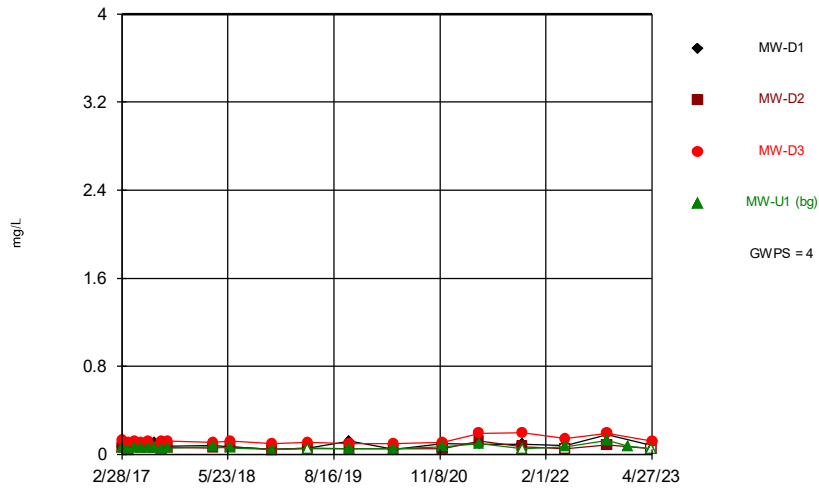
Constituent: Cobalt Analysis Run 7/8/2023 12:14 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



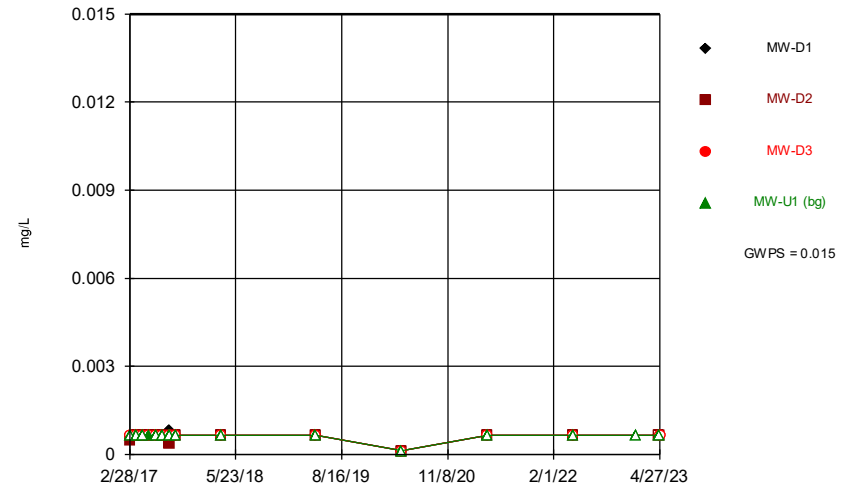
Constituent: Combined Radium 226 + 228 Analysis Run 7/8/2023 12:14 PM View: Sanitas Statistics Event
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



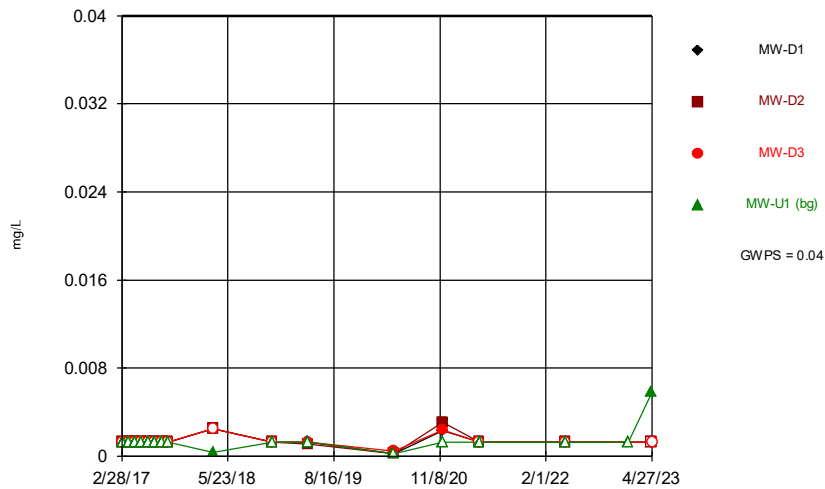
Constituent: Fluoride Analysis Run 7/8/2023 12:14 PM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



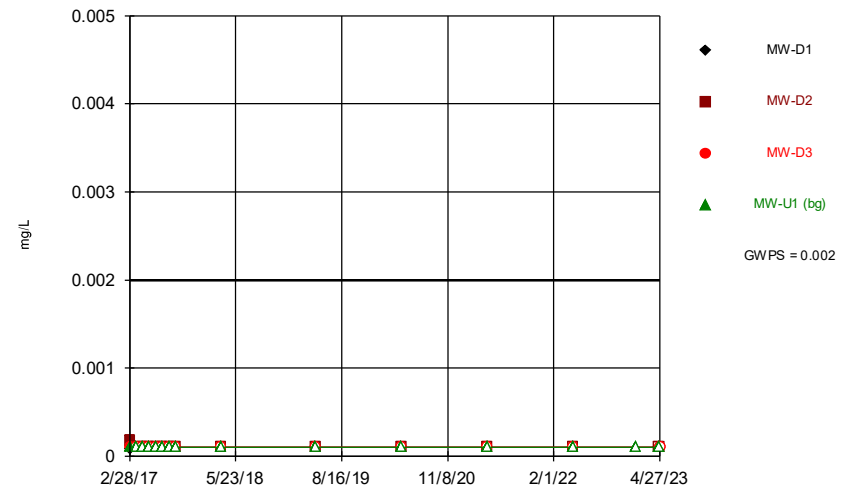
Constituent: Lead Analysis Run 7/8/2023 12:14 PM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



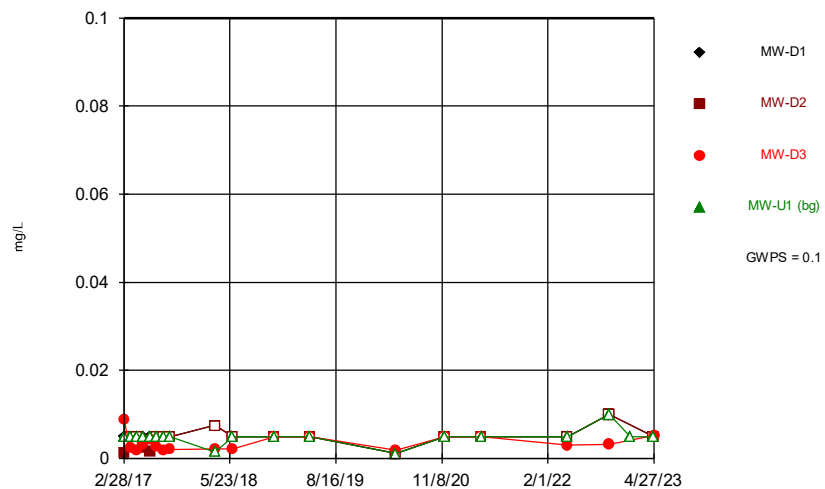
Constituent: Lithium Analysis Run 7/8/2023 12:14 PM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



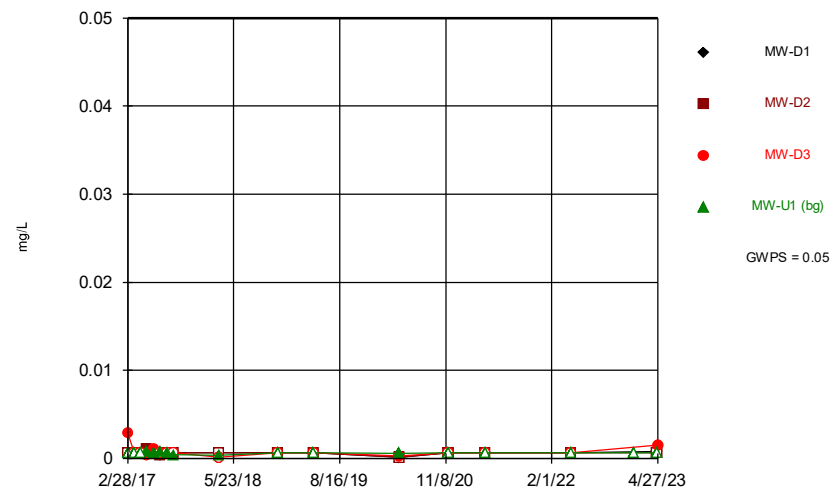
Constituent: Mercury Analysis Run 7/8/2023 12:14 PM View: Sanitas Statistics Events 1 through 20
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



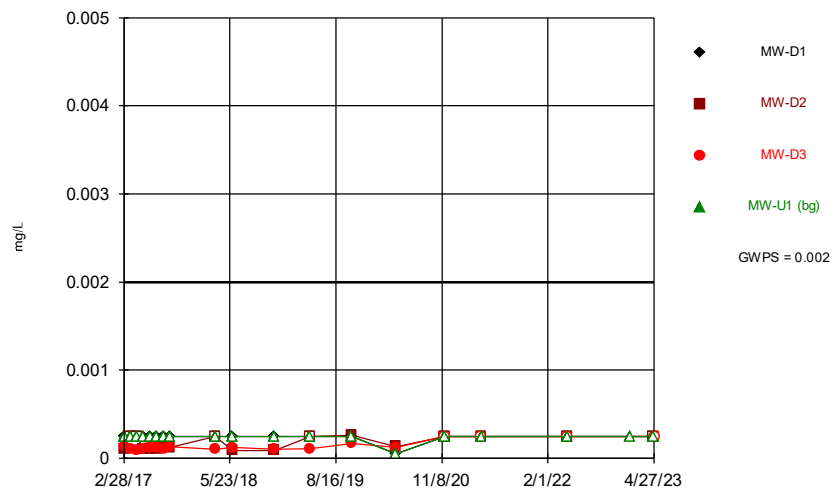
Constituent: Molybdenum Analysis Run 7/8/2023 12:14 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



Constituent: Selenium Analysis Run 7/8/2023 12:14 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



Constituent: Thallium Analysis Run 7/8/2023 12:14 PM View: Sanitas Statistics Events 1 through 20
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

October 2023

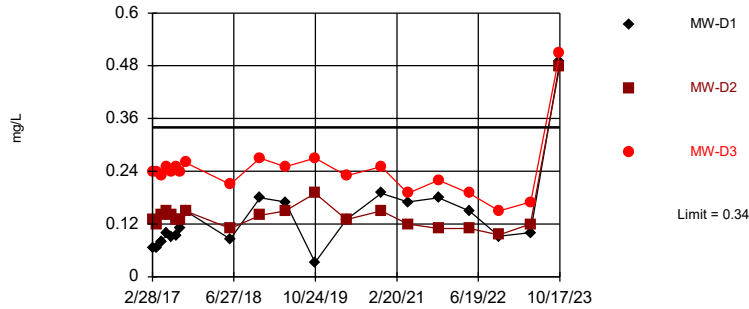
Prediction Limit

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10 Printed 12/8/2023, 3:03 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	10/17/2023	0.49	Yes	22	n/a	n/a	68.18	n/a	n/a	0.003586	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-D2	0.34	n/a	10/17/2023	0.48	Yes	22	n/a	n/a	68.18	n/a	n/a	0.003586	NP Inter (NDs) 1 of 2
Boron (mg/L)	MW-D3	0.34	n/a	10/17/2023	0.51	Yes	22	n/a	n/a	68.18	n/a	n/a	0.003586	NP Inter (NDs) 1 of 2
Calcium (mg/L)	MW-D1	39.47	n/a	10/17/2023	68	Yes	21	34.86	2.455	0	None	No	0.002505	Param Inter 1 of 2
Calcium (mg/L)	MW-D2	39.47	n/a	10/17/2023	120	Yes	21	34.86	2.455	0	None	No	0.002505	Param Inter 1 of 2
Calcium (mg/L)	MW-D3	39.47	n/a	10/17/2023	79	Yes	21	34.86	2.455	0	None	No	0.002505	Param Inter 1 of 2
Chloride (mg/L)	MW-D1	9.833	n/a	10/17/2023	1.9J	No	21	n/a	n/a	4.762	n/a	n/a	0.003862	NP Inter (normality) 1 of 2
Chloride (mg/L)	MW-D2	9.833	n/a	10/17/2023	2.2	No	21	n/a	n/a	4.762	n/a	n/a	0.003862	NP Inter (normality) 1 of 2
Chloride (mg/L)	MW-D3	9.833	n/a	10/17/2023	2	No	21	n/a	n/a	4.762	n/a	n/a	0.003862	NP Inter (normality) 1 of 2
Field pH (SU)	MW-D1	9.171	5.74	10/17/2023	7.1	No	22	58.53	13.71	0	None	x^2	0.001253	Param Inter 1 of 2
Field pH (SU)	MW-D2	9.171	5.74	10/17/2023	7.06	No	22	58.53	13.71	0	None	x^2	0.001253	Param Inter 1 of 2
Field pH (SU)	MW-D3	9.171	5.74	10/17/2023	7.1	No	22	58.53	13.71	0	None	x^2	0.001253	Param Inter 1 of 2
Fluoride (mg/L)	MW-D1	0.1008	n/a	10/17/2023	0.1	No	22	0.3949	0.03779	13.64	None	x^(1/3)	0.002505	Param Inter 1 of 2
Fluoride (mg/L)	MW-D2	0.1008	n/a	10/17/2023	0.05ND	No	22	0.3949	0.03779	13.64	None	x^(1/3)	0.002505	Param Inter 1 of 2
Fluoride (mg/L)	MW-D3	0.1008	n/a	10/17/2023	0.13	Yes	22	0.3949	0.03779	13.64	None	x^(1/3)	0.002505	Param Inter 1 of 2
Sulfate (mg/L)	MW-D1	8.867	n/a	10/17/2023	24	Yes	21	n/a	n/a	9.524	n/a	n/a	0.003862	NP Inter (normality) 1 of 2
Sulfate (mg/L)	MW-D2	8.867	n/a	10/17/2023	16	Yes	21	n/a	n/a	9.524	n/a	n/a	0.003862	NP Inter (normality) 1 of 2
Sulfate (mg/L)	MW-D3	8.867	n/a	10/17/2023	27	Yes	21	n/a	n/a	9.524	n/a	n/a	0.003862	NP Inter (normality) 1 of 2
Total Dissolved Solids...	MW-D1	141.8	n/a	10/17/2023	220	Yes	21	100.9	21.82	0	None	No	0.002505	Param Inter 1 of 2
Total Dissolved Solids...	MW-D2	141.8	n/a	10/17/2023	360	Yes	21	100.9	21.82	0	None	No	0.002505	Param Inter 1 of 2
Total Dissolved Solids...	MW-D3	141.8	n/a	10/17/2023	260	Yes	21	100.9	21.82	0	None	No	0.002505	Param Inter 1 of 2

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

Prediction Limit
Interwell Non-parametric



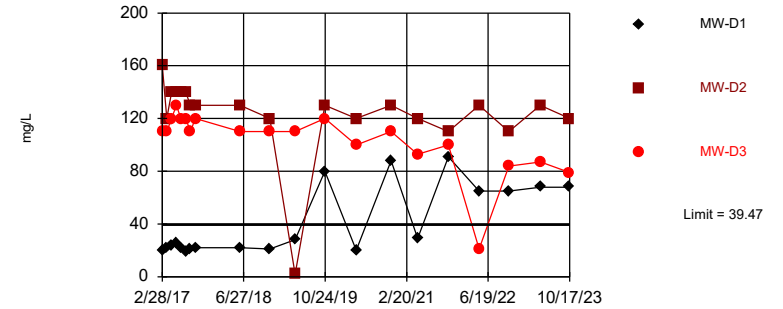
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 68.18% NDs. Annual per-constituent alpha = 0.02133. Individual comparison alpha = 0.003586 (1 of 2). Comparing 3 points to limit. Seasonality was not detected with 95% confidence.

Constituent: Boron Analysis Run 12/8/2023 3:01 PM

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

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

Prediction Limit
Interwell Parametric



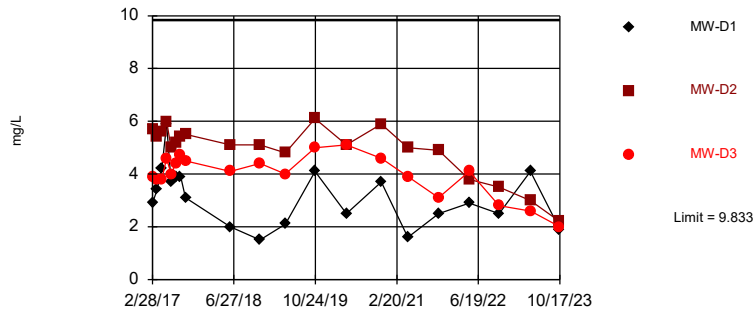
Background Data Summary: Mean=34.86, Std. Dev.=2.455, n=21. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.963, critical = 0.873. Kappa = 1.877 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.002505. Comparing 3 points to limit.

Constituent: Calcium Analysis Run 12/8/2023 3:01 PM

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

Within Limit

Prediction Limit
Interwell Non-parametric



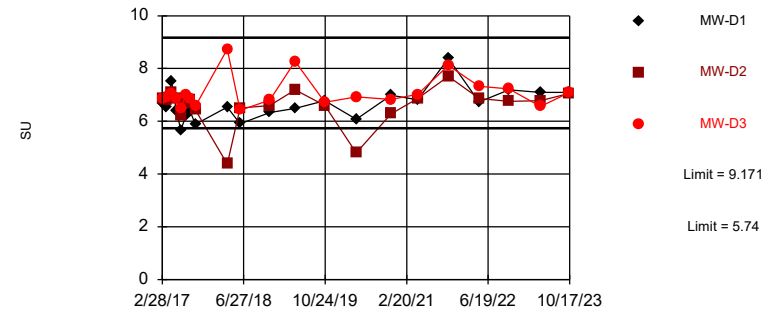
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 4.762% NDs. Annual per-constituent alpha = 0.02295. Individual comparison alpha = 0.003862 (1 of 2). Comparing 3 points to limit. Seasonality was not detected with 95% confidence.

Constituent: Chloride Analysis Run 12/8/2023 3:01 PM

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

Within Limits

Prediction Limit
Interwell Parametric



Background Data Summary (based on square transformation): Mean=58.53, Std. Dev.=13.71, n=22. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8873, critical = 0.878. Kappa = 1.866 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.001253. Comparing 3 points to limit.

Constituent: Field pH Analysis Run 12/8/2023 3:01 PM

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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/8/2023 3:03 PM

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

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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/8/2023 3:03 PM

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

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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/8/2023 3:03 PM

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

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

Prediction Limit

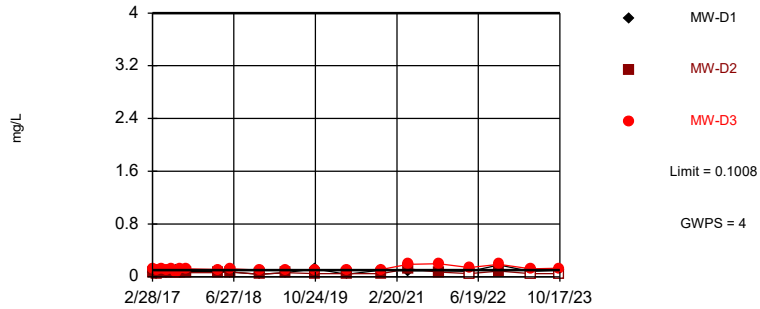
Constituent: Field pH (SU) Analysis Run 12/8/2023 3:03 PM

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

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

Exceeds Limit: MW-D3

Prediction Limit
 Interwell Parametric



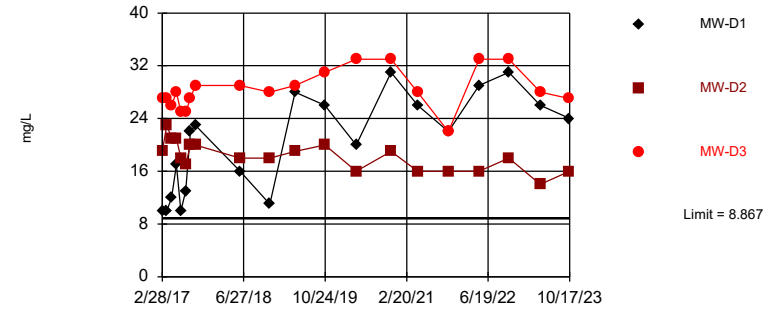
Background Data Summary (based on cube root transformation): Mean=0.3949, Std. Dev.=0.03779, n=22, 13.64% NDs. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8796, critical = 0.878. Kappa = 1.866 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.002505. Comparing 3 points to limit.

Constituent: Fluoride Analysis Run 12/8/2023 3:02 PM

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

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

Prediction Limit
 Interwell Non-parametric



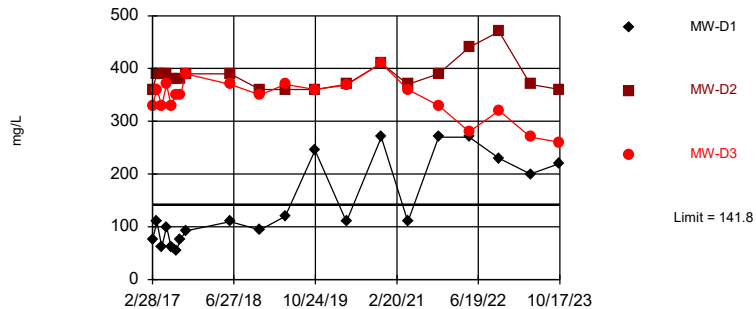
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 9.524% NDs. Annual per-constituent alpha = 0.02295. Individual comparison alpha = 0.003862 (1 of 2). Comparing 3 points to limit. Seasonality was not detected with 95% confidence.

Constituent: Sulfate Analysis Run 12/8/2023 3:02 PM

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

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

Prediction Limit
 Interwell Parametric



Background Data Summary: Mean=100.9, Std. Dev.=21.82, n=21. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9298, critical = 0.873. Kappa = 1.877 (c=7, w=3, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.002505. Comparing 3 points to limit.

Constituent: Total Dissolved Solids Analysis Run 12/8/2023 3:02 PM

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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/8/2023 3:03 PM

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

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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/8/2023 3:03 PM

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

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

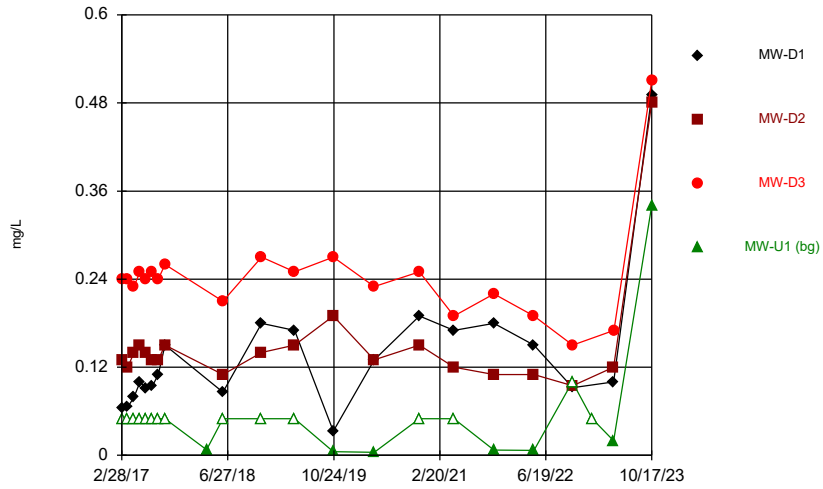
Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/8/2023 3:03 PM

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

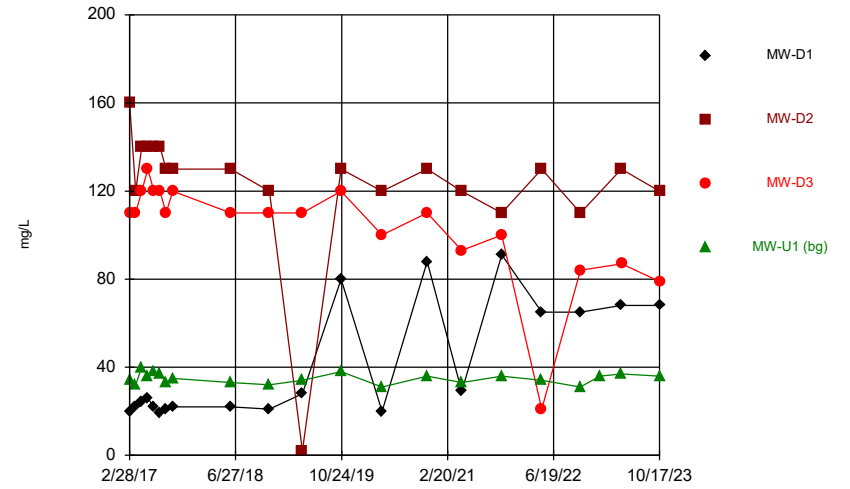
	MW-D1	MW-D2	MW-D3	MW-U1 (bg)
2/28/2017	76	360	330	80
3/27/2017	110	390	360	120
4/24/2017	62	390	330	44
5/22/2017	100	390	370	100
6/19/2017	62	380	330	92
7/17/2017	54	380	350	78
8/14/2017	76	380	350	86
9/13/2017	92	390	390	110
6/5/2018	110	390	370	110
11/29/2018	94	360	350	66
4/29/2019	120	360	370	120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

Time Series



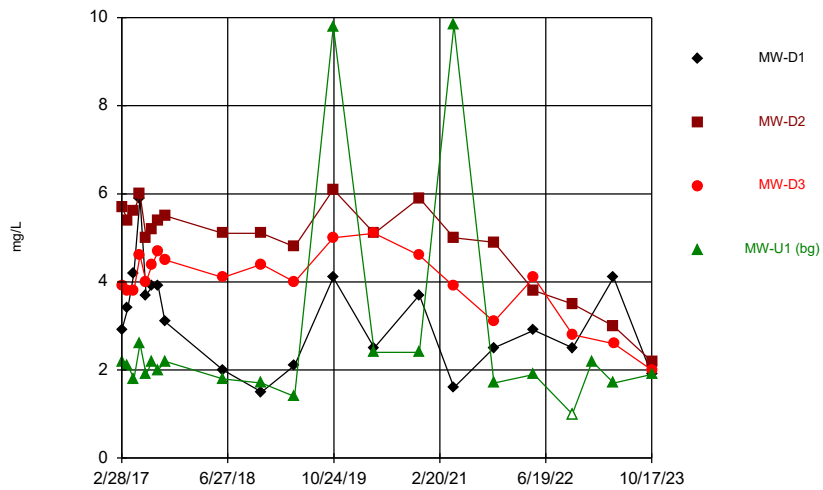
Constituent: Boron Analysis Run 12/8/2023 3:07 PM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



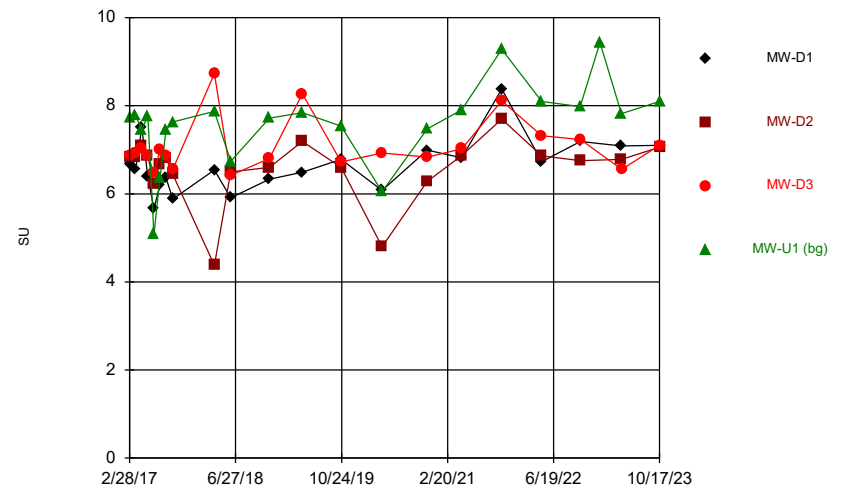
Constituent: Calcium Analysis Run 12/8/2023 3:07 PM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



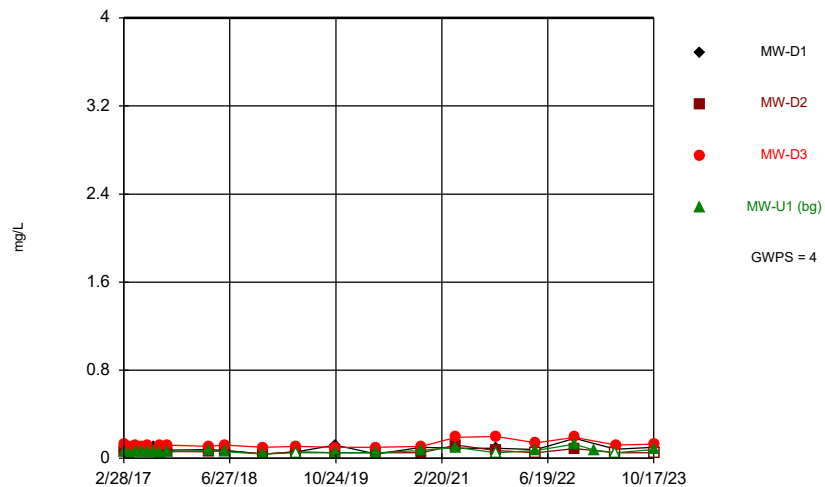
Constituent: Chloride Analysis Run 12/8/2023 3:07 PM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



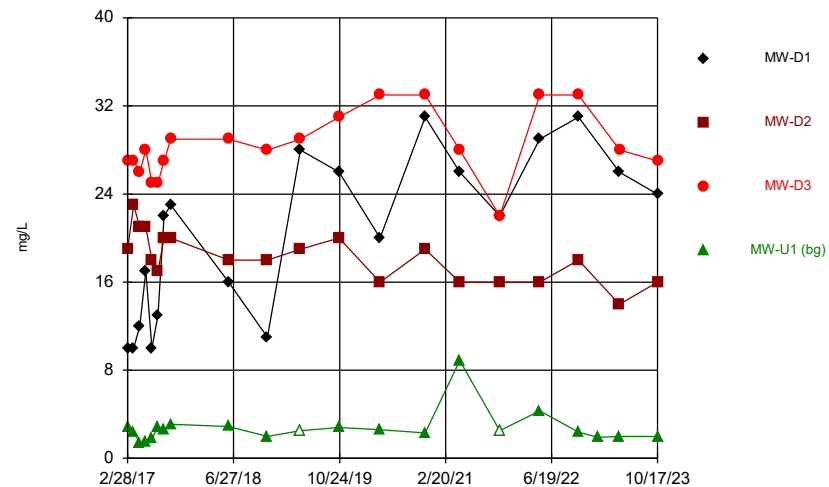
Constituent: Field pH Analysis Run 12/8/2023 3:07 PM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



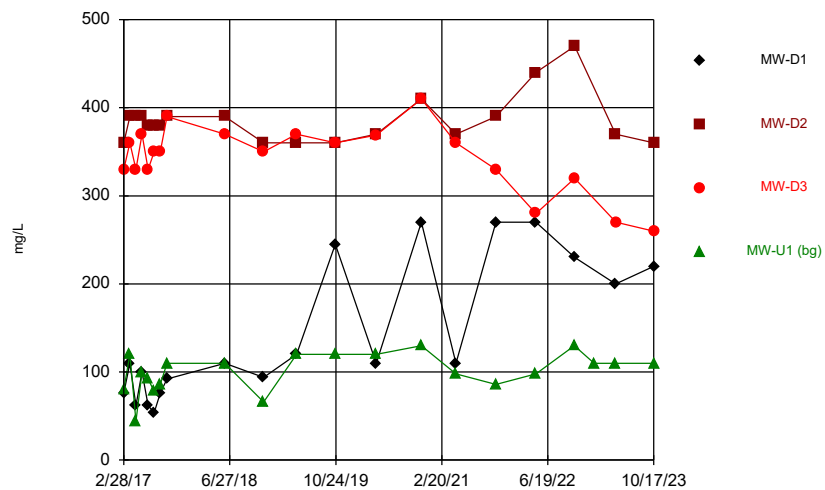
Constituent: Fluoride Analysis Run 12/8/2023 3:07 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



Constituent: Sulfate Analysis Run 12/8/2023 3:07 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



Constituent: Total Dissolved Solids Analysis Run 12/8/2023 3:07 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Summary Report

Constituent: Boron Analysis Run 12/8/2023 3:08 PM

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

For observations made between 2/28/2017 and 10/17/2023, a summary of the selected data set:

Observations = 82

ND/Trace = 22

Wells = 4

Minimum Value = 0.0042

Maximum Value = 0.51

Mean Value = 0.1436

Standard Deviation = 0.13

Coefficient of Variation = 0.1031

Skewness = 1.396

<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	0	0.033	0.49	0.1363	0.105	0.09463	0.6943	2.686
MW-D2	20	0	0.095	0.48	0.1498	0.13	0.08043	0.5371	3.696
MW-D3	20	0	0.15	0.51	0.243	0.24	0.07064	0.2907	2.686
MW-U1 (bg)	22	15	0.0042	0.34	0.05412	0.05	0.06788	1.254	3.564

Summary Report

Constituent: Calcium Analysis Run 12/8/2023 3:08 PM

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

For observations made between 2/28/2017 and 10/17/2023, a summary of the selected data set:

Observations = 81

ND/Trace = 0

Wells = 4

Minimum Value = 2

Maximum Value = 160

Mean Value = 74.93

Median Value = 79

Standard Deviation = 44.71

Coefficient of Variation = 0.5968

Skewness = 0.08863

<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	0	19	91	41.05	25	26.43	0.644	0.7844
MW-D2	20	0	2	160	122.6	130	30.68	0.2503	-3.144
MW-D3	20	0	21	130	103.2	110	23.57	0.2283	-2.215
MW-U1 (bg)	21	0	31	40	34.86	35	2.455	0.07044	0.1479

Summary Report

Constituent: Chloride Analysis Run 12/8/2023 3:08 PM

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

For observations made between 2/28/2017 and 10/17/2023, a summary of the selected data set:

Observations = 81

ND/Trace = 13

Wells = 4

Minimum Value = 1

Maximum Value = 9.833

Mean Value = 3.665

Median Value = 3.8

Standard Deviation = 1.688

Coefficient of Variation = 0.4607

Skewness = 1.099

<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	0	1.5	5.9	3.12	3	1.094	0.3507	0.5442
MW-D2	20	0	2.2	6.1	4.915	5.1	1.025	0.2085	-1.309
MW-D3	20	0	2	5.1	3.97	4.05	0.8047	0.2027	-0.9069
MW-U1 (bg)	21	1	1	9.833	2.702	2	2.392	0.8855	2.643

Summary Report

Constituent: Field pH Analysis Run 12/8/2023 3:09 PM

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

For observations made between 2/28/2017 and 10/17/2023, a summary of the selected data set:

Observations = 85

ND/Trace = 0

Wells = 4

Minimum Value = 4.38

Maximum Value = 9.43

Mean Value = 6.983

Median Value = 6.86

Standard Deviation = 0.8311

Coefficient of Variation = 0.119

Skewness = 0.0635

<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	0	5.66	8.38	6.65	6.55	0.6132	0.09222	0.8873
MW-D2	21	0	4.38	7.7	6.579	6.78	0.7379	0.1122	-1.826
MW-D3	21	0	6.42	8.73	7.078	6.92	0.5954	0.08412	1.556
MW-U1 (bg)	22	0	5.07	9.43	7.596	7.755	0.9337	0.1229	-0.6548

Summary Report

Constituent: Fluoride Analysis Run 12/8/2023 3:09 PM

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

For observations made between 2/28/2017 and 10/17/2023, a summary of the selected data set:

Observations = 85

ND/Trace = 57

Wells = 4

Minimum Value = 0.04

Maximum Value = 0.2

Mean Value = 0.08246

Median Value = 0.07

Standard Deviation = 0.03602

Coefficient of Variation = 0.4368

Skewness = 1.294

<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	0	0.04	0.18	0.08181	0.08	0.03063	0.3744	1.483
MW-D2	21	3	0.04	0.12	0.06138	0.06	0.01695	0.2761	2.127
MW-D3	21	0	0.06	0.2	0.1243	0.12	0.03295	0.2651	0.977
MW-U1 (bg)	22	3	0.04	0.13	0.06327	0.06	0.02018	0.319	1.858

Summary Report

Constituent: Sulfate Analysis Run 12/8/2023 3:09 PM

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

For observations made between 2/28/2017 and 10/17/2023, a summary of the selected data set:

Observations = 81

ND/Trace = 20

Wells = 4

Minimum Value = 1.4

Maximum Value = 33

Mean Value = 17.25

Median Value = 19

Standard Deviation = 10.29

Coefficient of Variation = 0.5967

Skewness = -0.2662

<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	0	10	31	20.35	22	7.415	0.3644	-0.1477
MW-D2	20	0	14	23	18.25	18	2.221	0.1217	0.1496
MW-D3	20	0	22	33	28.4	28	2.998	0.1056	0.08366
MW-U1 (bg)	21	2	1.4	8.867	2.737	2.5	1.538	0.5619	3.202

Summary Report

Constituent: Total Dissolved Solids Analysis Run 12/8/2023 3:09 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

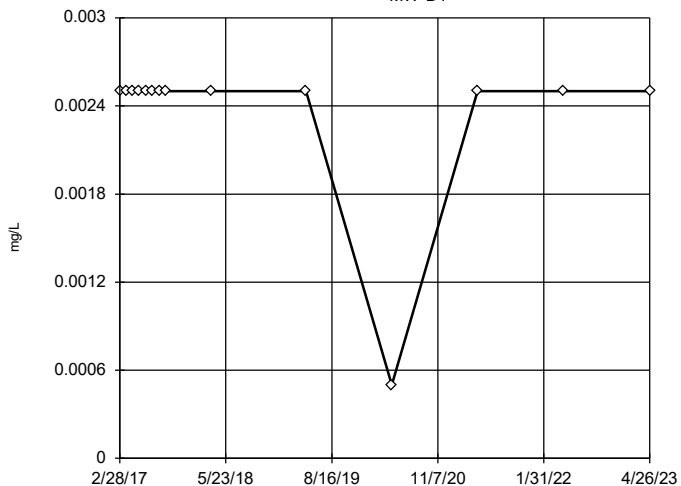
For observations made between 2/28/2017 and 10/17/2023, a summary of the selected data set:

Observations = 81
 ND/Trace = 0
 Wells = 4
 Minimum Value = 44
 Maximum Value = 470
 Mean Value = 241.6
 Median Value = 270
 Standard Deviation = 132.1
 Coefficient of Variation = 0.5467
 Skewness = -0.08165

<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	0	54	270	144.1	110	78.56	0.5454	0.5882
MW-D2	20	0	360	470	385.5	380	28	0.07263	1.687
MW-D3	20	0	260	410	343	350	38.37	0.1119	-0.6986
MW-U1 (bg)	21	0	44	130	100.9	110	21.82	0.2164	-0.8533

Tukey's Outlier Screening

MW-D1



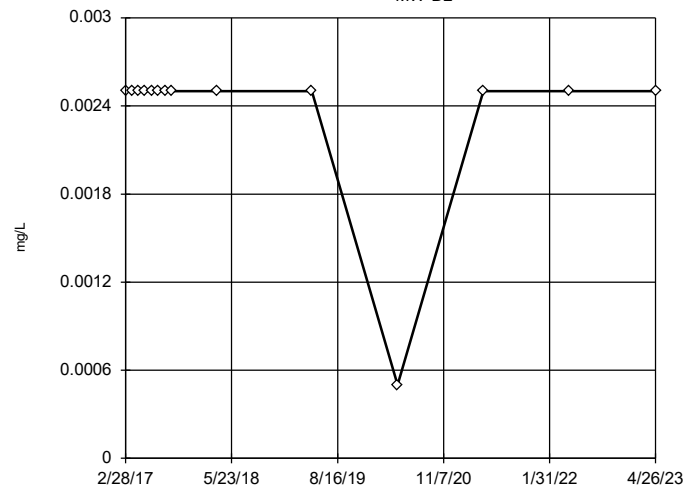
n = 14
No outliers found. Tukey's method selected by user.
Data were square transformed to achieve best W statistic (graph shown in original units).
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 12/9/2023 3:19 PM

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

Tukey's Outlier Screening

MW-D2



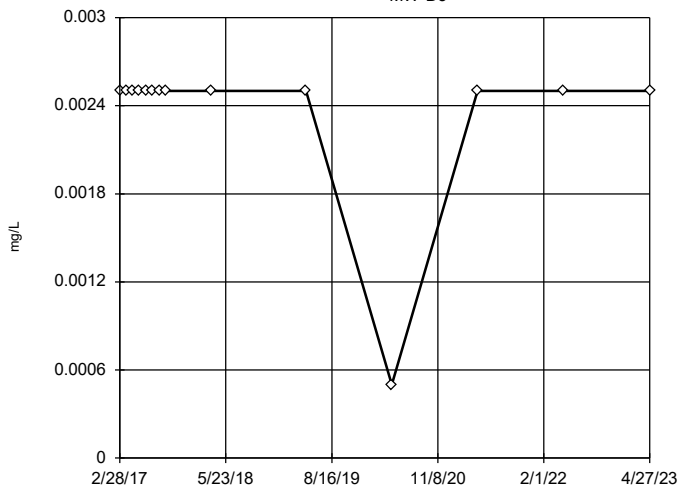
n = 14
No outliers found. Tukey's method selected by user.
Data were square transformed to achieve best W statistic (graph shown in original units).
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 12/9/2023 3:19 PM

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

Tukey's Outlier Screening

MW-D3



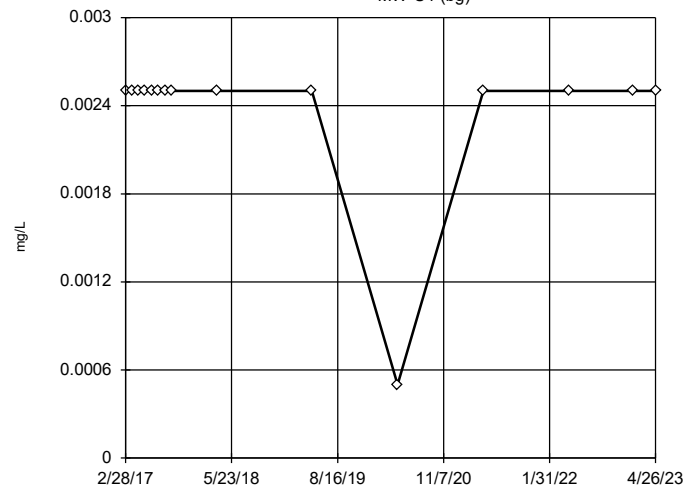
n = 14
No outliers found. Tukey's method selected by user.
Data were square transformed to achieve best W statistic (graph shown in original units).
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 12/9/2023 3:19 PM

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

Tukey's Outlier Screening

MW-U1 (bg)



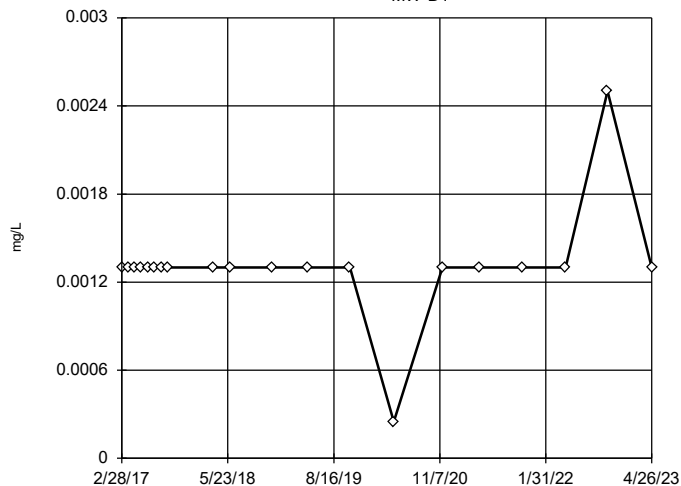
n = 15
No outliers found. Tukey's method selected by user.
Data were x^5 transformed to achieve best W statistic (graph shown in original units).
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 12/9/2023 3:19 PM

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

Tukey's Outlier Screening

MW-D1



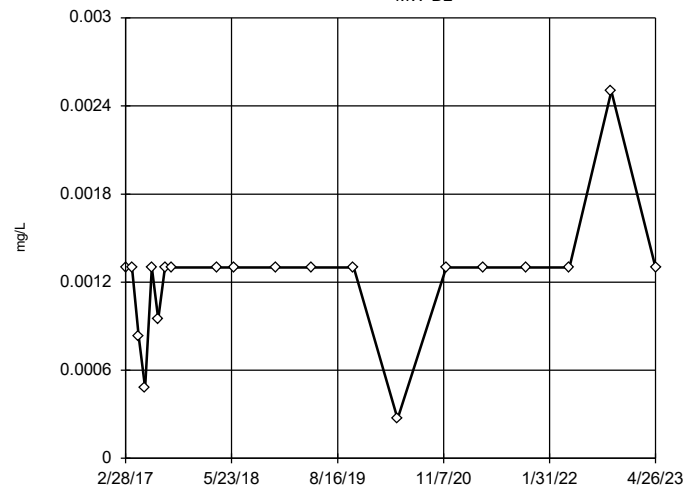
n = 20
No outliers found.
Tukey's method selected by user.
Ladder of Powers transformations did not improve normality; analysis run on raw data.
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 12/9/2023 3:19 PM

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

Tukey's Outlier Screening

MW-D2



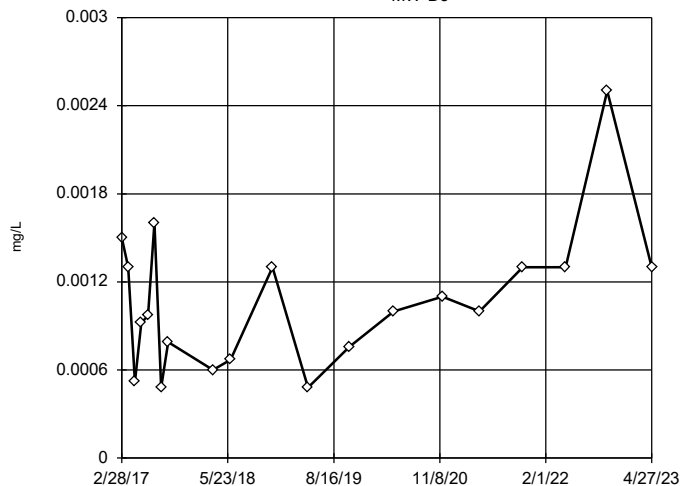
n = 20
No outliers found.
Tukey's method selected by user.
Data were square root transformed to achieve best W statistic (graph shown in original units).
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 12/9/2023 3:19 PM

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

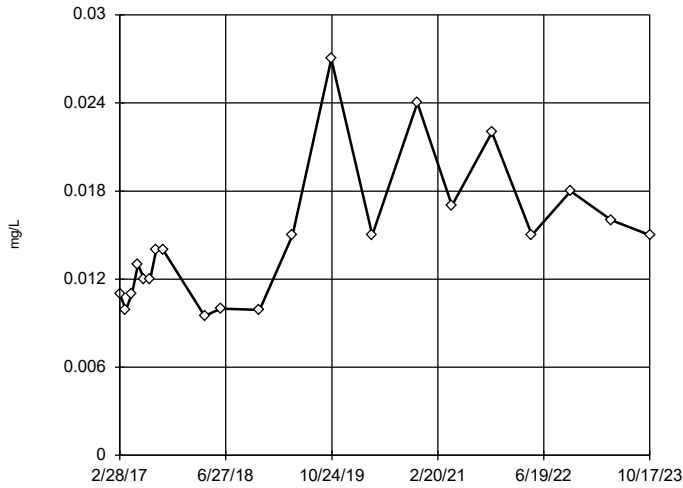
Tukey's Outlier Screening

MW-D3



Tukey's Outlier Screening

MW-D1



n = 21

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

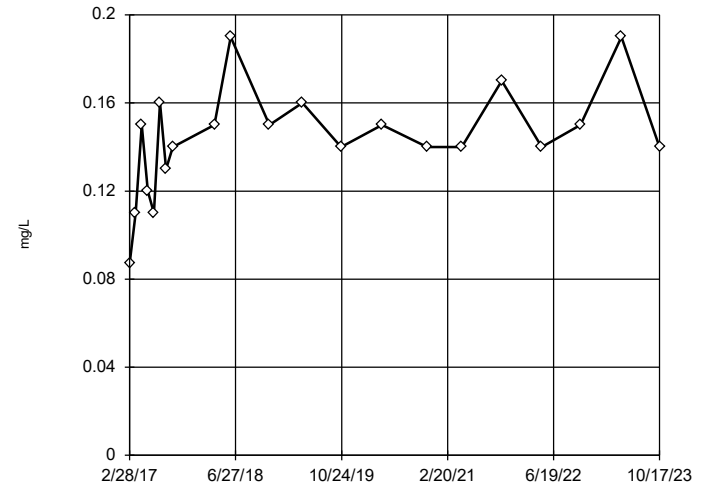
High cutoff = 0.05559, low cutoff = 0.003264, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 12/9/2023 3:19 PM

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

Tukey's Outlier Screening

MW-D2



n = 21

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

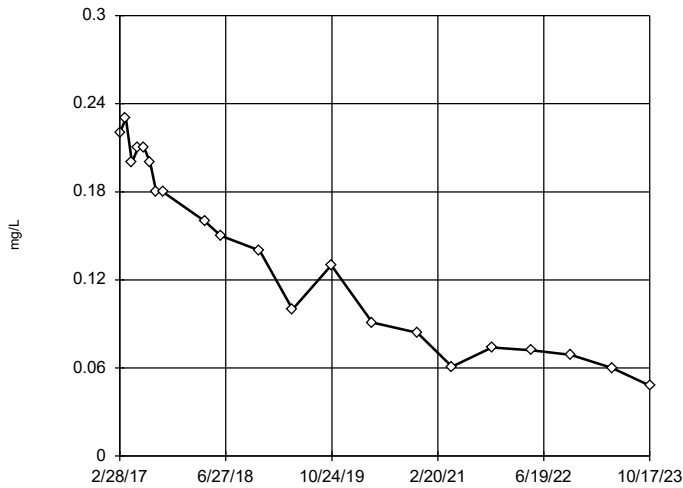
High cutoff = 0.215, low cutoff = 0.075, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 12/9/2023 3:19 PM

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

Tukey's Outlier Screening

MW-D3



n = 21

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

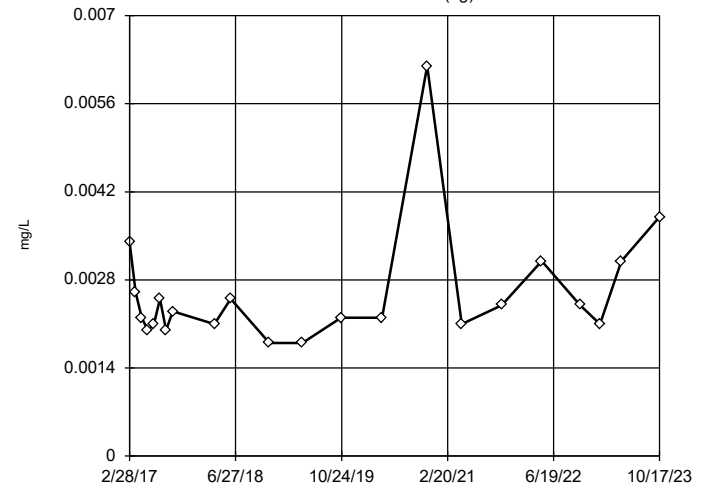
High cutoff = 0.9571, low cutoff = -0.06808, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 12/9/2023 3:19 PM

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

Tukey's Outlier Screening

MW-U1 (bg)



n = 22

No outliers found. Tukey's method selected by user.

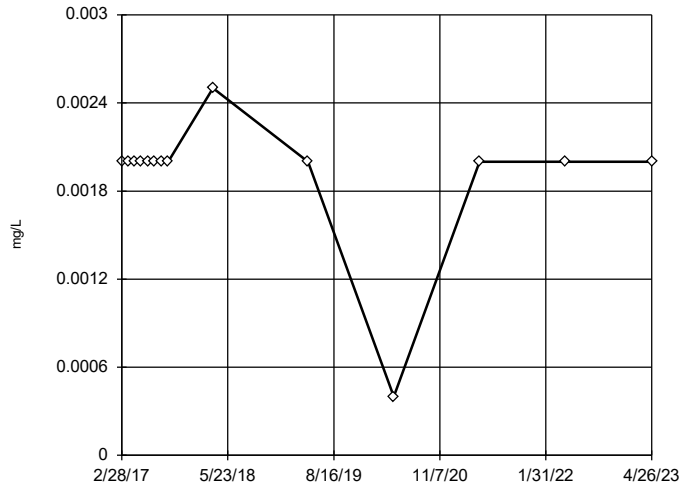
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.007015, low cutoff = 0.0008499, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 12/9/2023 3:19 PM

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

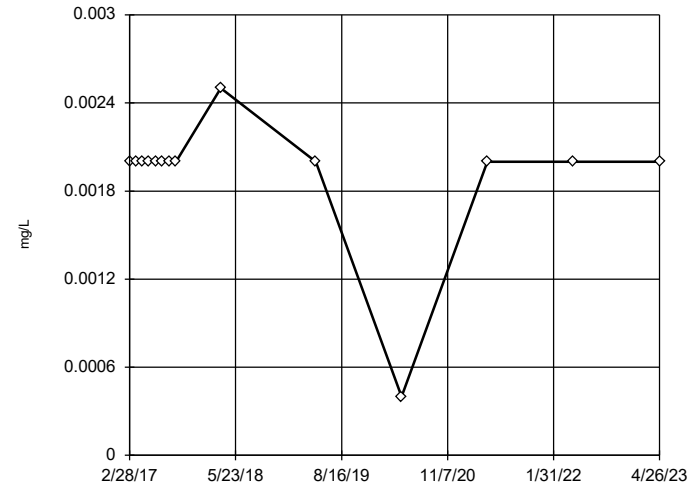
Tukey's Outlier Screening MW-D1



n = 14
 No outliers found.
 Tukey's method selected by user.
 Data were cube transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 12/9/2023 3:19 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

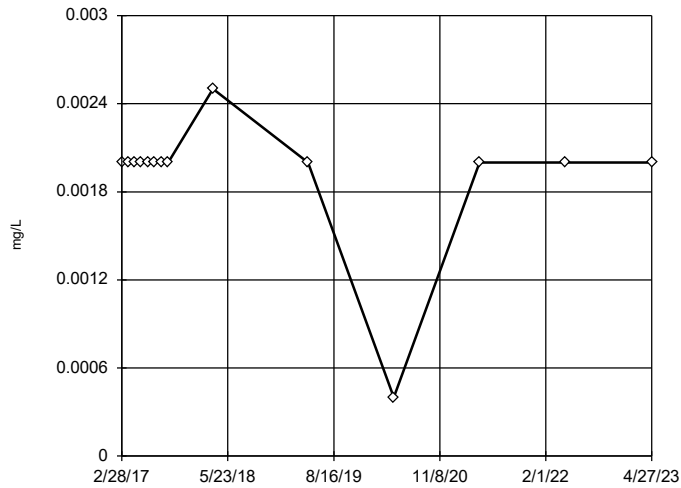
Tukey's Outlier Screening MW-D2



n = 14
 No outliers found.
 Tukey's method selected by user.
 Data were cube transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 12/9/2023 3:19 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

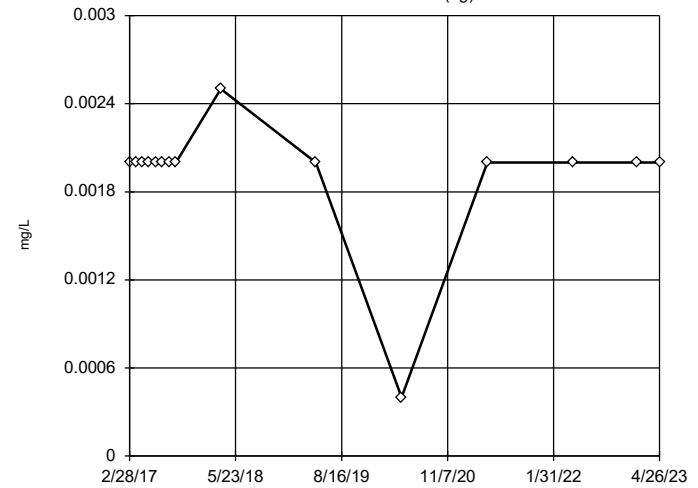
Tukey's Outlier Screening MW-D3



n = 14
 No outliers found.
 Tukey's method selected by user.
 Data were cube transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 12/9/2023 3:19 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

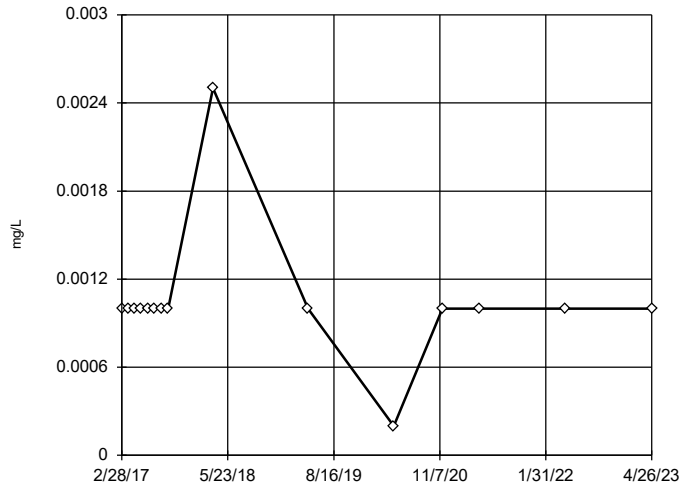
Tukey's Outlier Screening MW-U1 (bg)



n = 15
 No outliers found.
 Tukey's method selected by user.
 Data were cube transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 12/9/2023 3:19 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

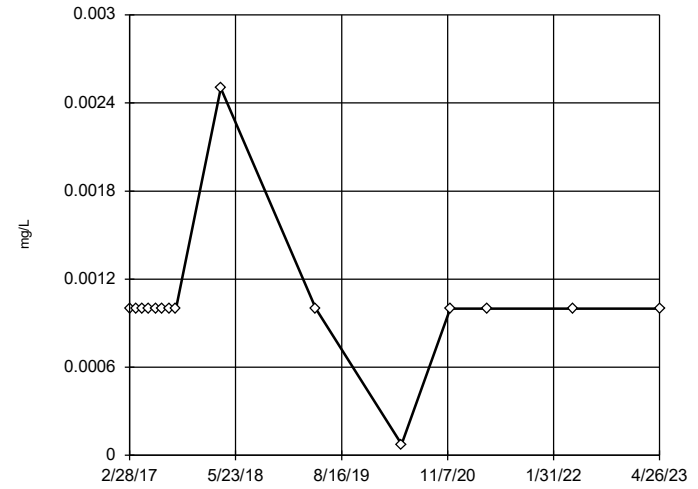
Tukey's Outlier Screening MW-D1



n = 15
 No outliers found.
 Tukey's method selected by user.
 Data were square root transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 12/9/2023 3:19 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

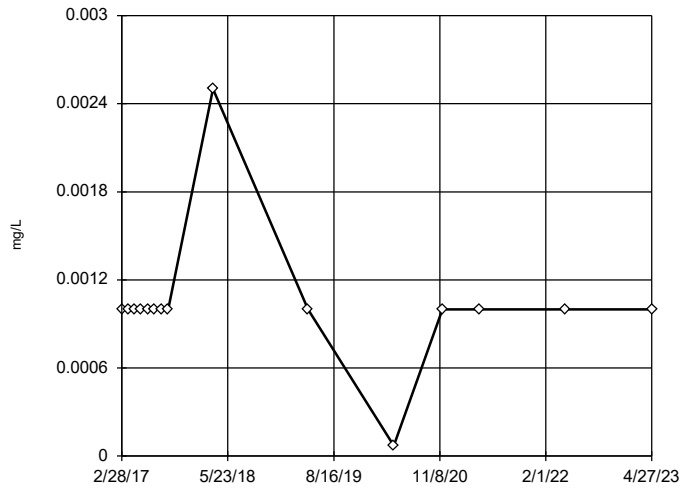
Tukey's Outlier Screening MW-D2



n = 15
 No outliers found.
 Tukey's method selected by user.
 Data were square root transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 12/9/2023 3:19 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

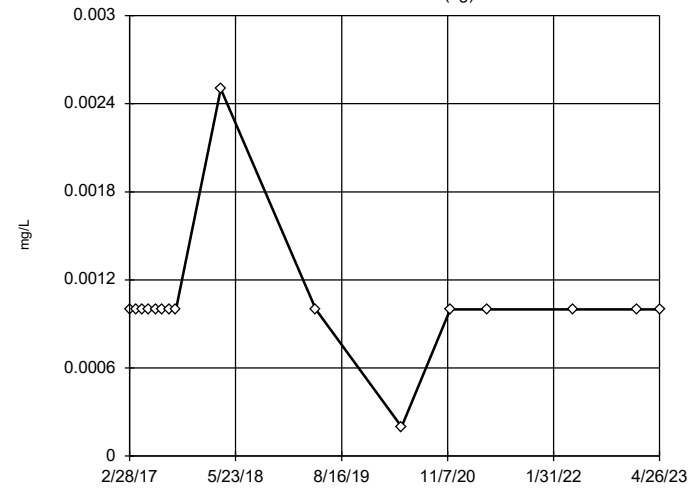
Tukey's Outlier Screening MW-D3



n = 15
 No outliers found.
 Tukey's method selected by user.
 Data were square root transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 12/9/2023 3:19 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

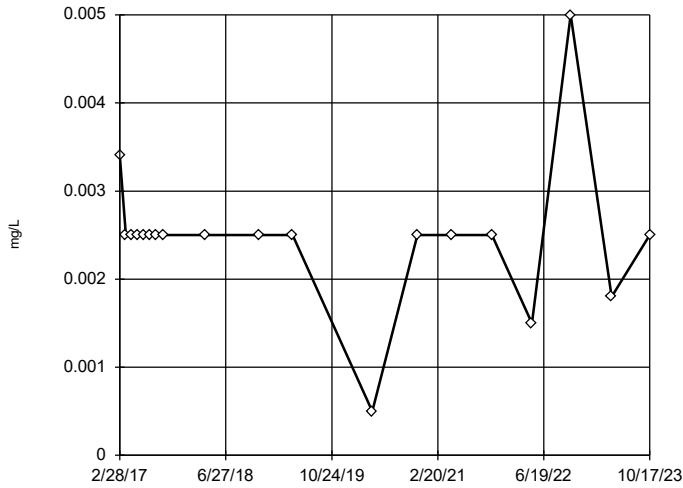
Tukey's Outlier Screening MW-U1 (bg)



n = 16
 No outliers found.
 Tukey's method selected by user.
 Data were square root transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 12/9/2023 3:19 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

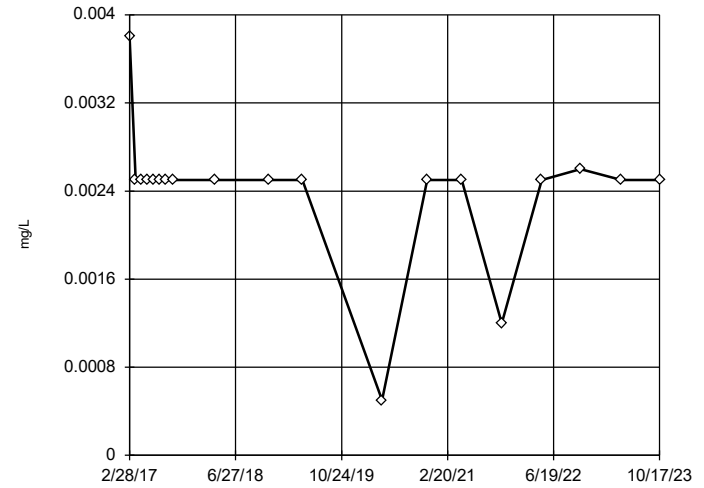
Tukey's Outlier Screening
MW-D1



n = 19
No outliers found. Tukey's method selected by user.
Ladder of Powers transformations did not improve normality; analysis run on raw data.
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Chromium Analysis Run 12/9/2023 3:20 PM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

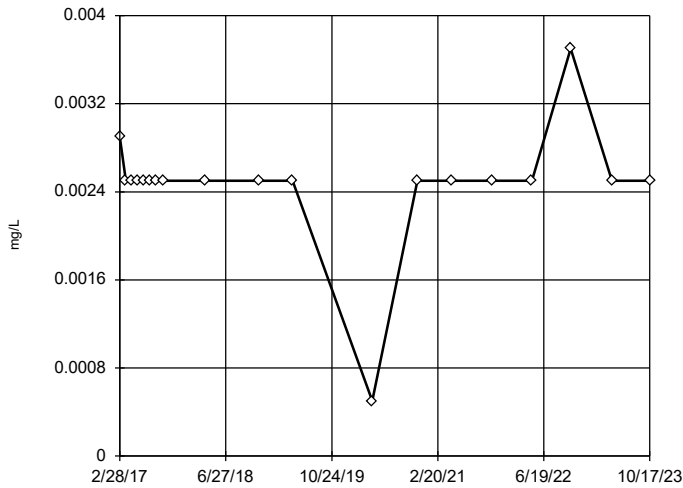
Tukey's Outlier Screening
MW-D2



n = 19
No outliers found. Tukey's method selected by user.
Data were square transformed to achieve best W statistic (graph shown in original units).
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Chromium Analysis Run 12/9/2023 3:20 PM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

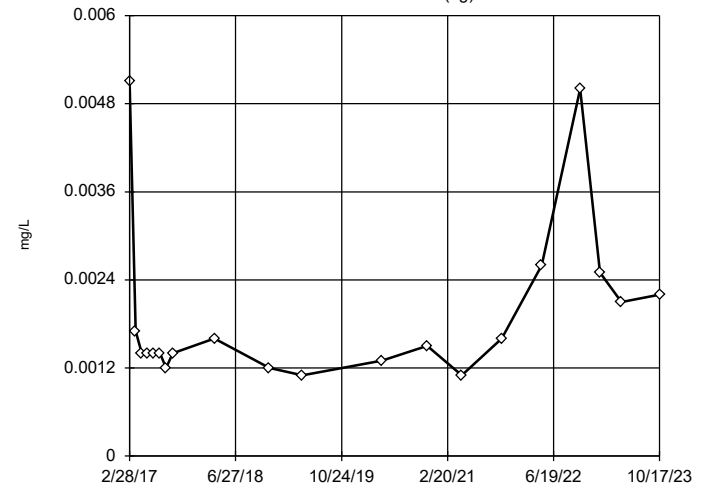
Tukey's Outlier Screening
MW-D3



n = 19
No outliers found. Tukey's method selected by user.
Data were square transformed to achieve best W statistic (graph shown in original units).
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Chromium Analysis Run 12/9/2023 3:20 PM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening
MW-U1 (bg)

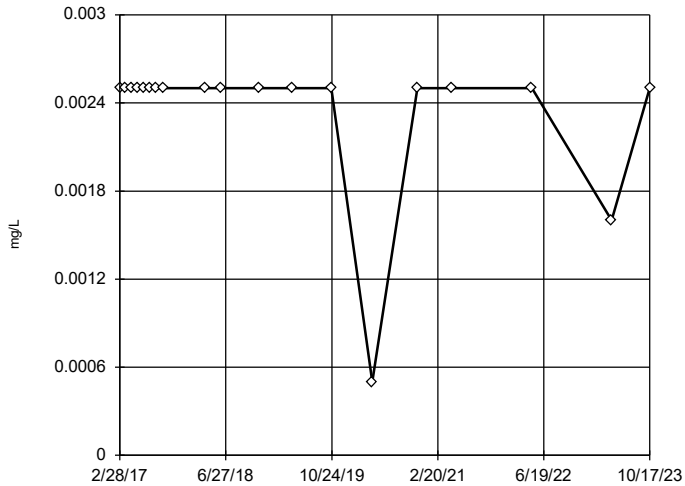


n = 20
No outliers found. Tukey's method selected by user.
Data were natural log transformed to achieve best W statistic (graph shown in original units).
High cutoff = 0.008693, low cutoff = 0.0003336, based on IQR multiplier of 3.

Constituent: Chromium Analysis Run 12/9/2023 3:20 PM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D1

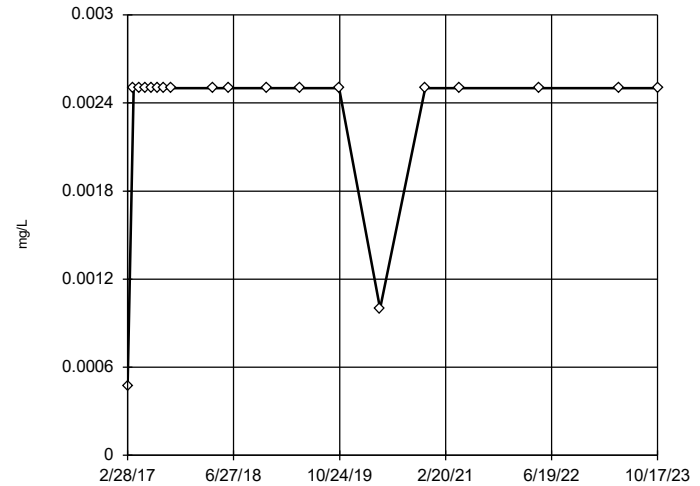


Constituent: Cobalt Analysis Run 12/9/2023 3:20 PM

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

Tukey's Outlier Screening

MW-D2

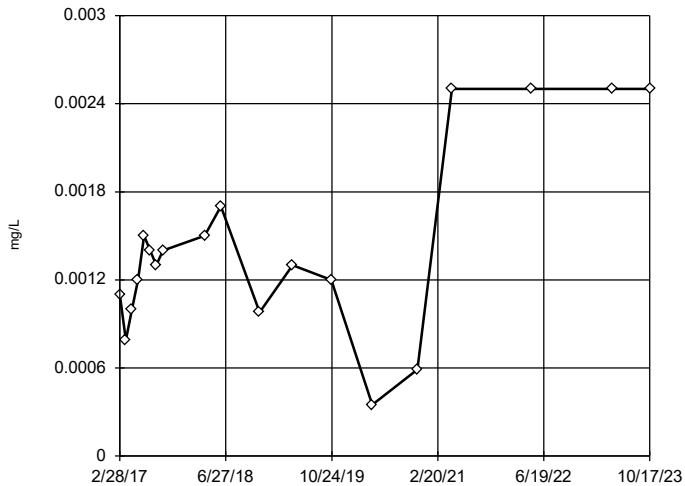


Constituent: Cobalt Analysis Run 12/9/2023 3:20 PM

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

Tukey's Outlier Screening

MW-D3

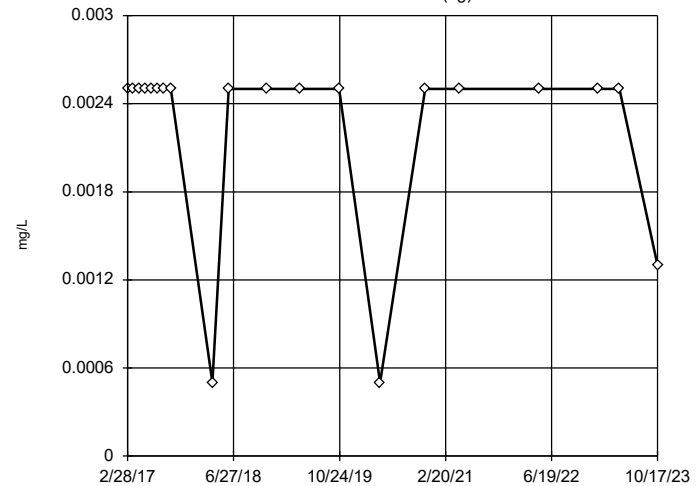


Constituent: Cobalt Analysis Run 12/9/2023 3:20 PM

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

Tukey's Outlier Screening

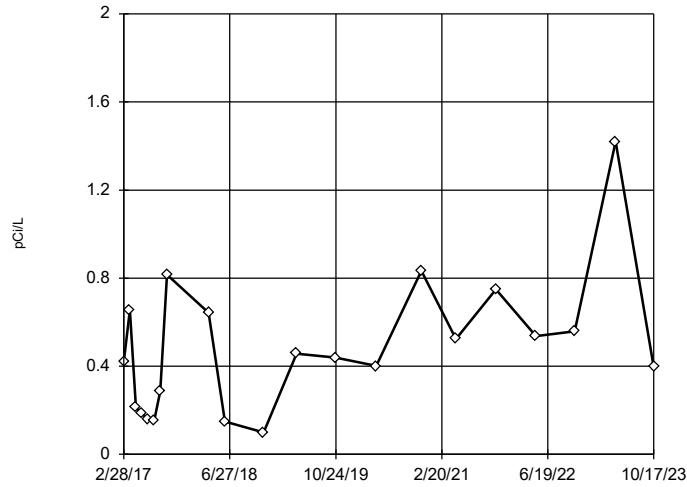
MW-U1 (bg)



Constituent: Cobalt Analysis Run 12/9/2023 3:20 PM

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

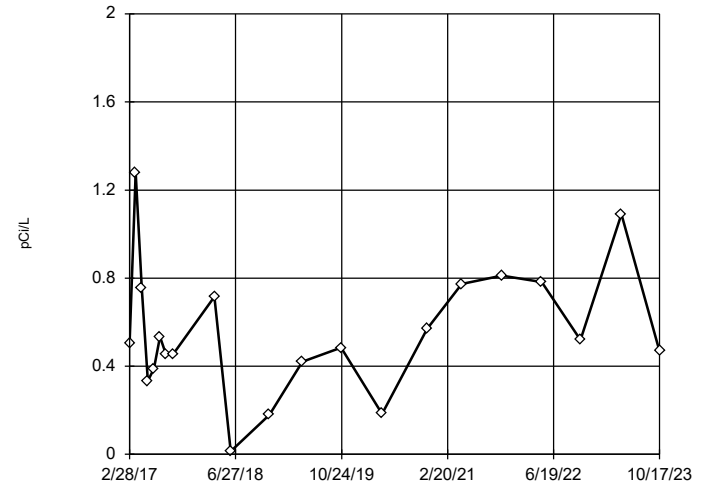
Tukey's Outlier Screening MW-D1



n = 21
 No outliers found.
 Tukey's method selected by user.
 Data were cube root transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 5.022, low cutoff = -0.01822, based on IQR multiplier of 3.

Constituent: Combined Radium 226 + 228 Analysis Run 12/9/2023 3:20 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

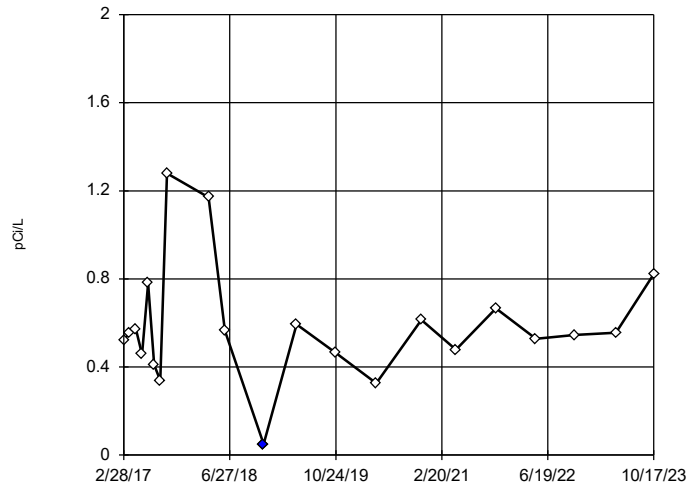
Tukey's Outlier Screening MW-D2



n = 21
 No outliers found.
 Tukey's method selected by user.
 Ladder of Powers transformations did not improve normality; analysis run on raw data.
 High cutoff = 1.846, low cutoff = -0.6775, based on IQR multiplier of 3.

Constituent: Combined Radium 226 + 228 Analysis Run 12/9/2023 3:20 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

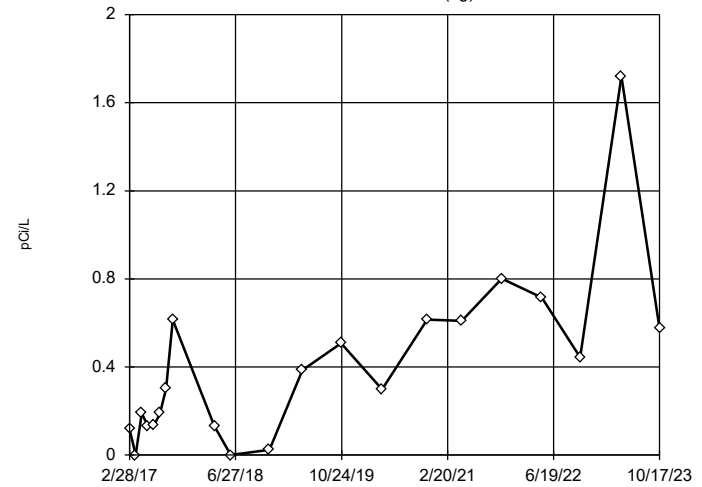
Tukey's Outlier Screening MW-D3



n = 21
 Outlier is drawn as solid.
 Tukey's method selected by user.
 Data were square root transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 1.351, low cutoff = 0.1001, based on IQR multiplier of 3.

Constituent: Combined Radium 226 + 228 Analysis Run 12/9/2023 3:20 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

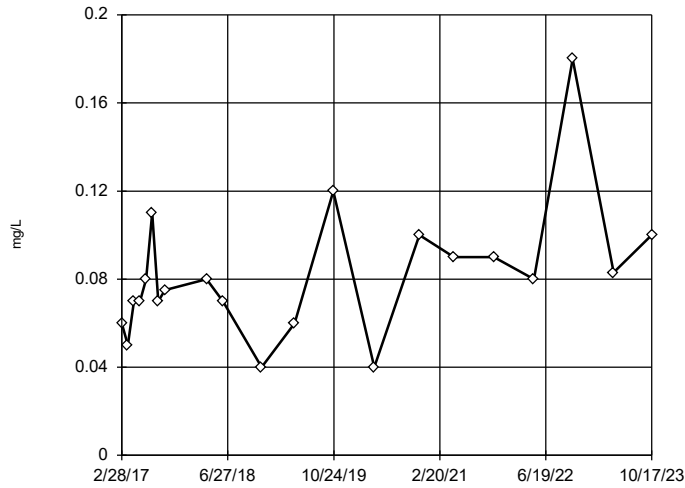
Tukey's Outlier Screening MW-U1 (bg)



n = 21
 No outliers found.
 Tukey's method selected by user.
 Data were square root transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 4.153, low cutoff = -0.7969, based on IQR multiplier of 3.

Constituent: Combined Radium 226 + 228 Analysis Run 12/9/2023 3:20 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

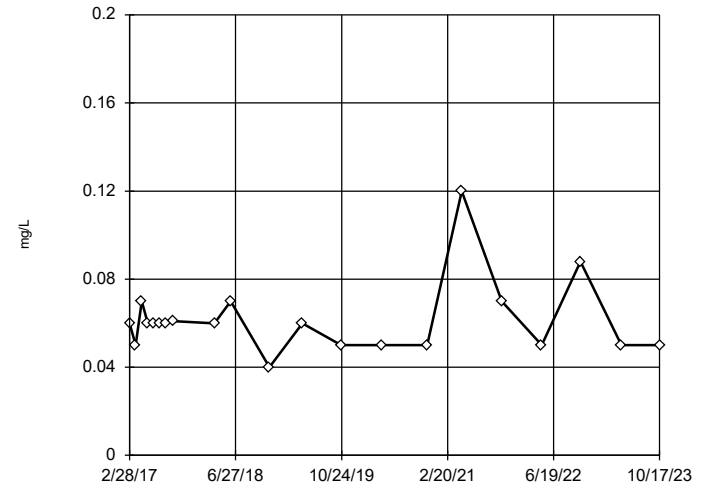
Tukey's Outlier Screening MW-D1



n = 21
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 0.2976, low cutoff = 0.02066, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 12/9/2023 3:20 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

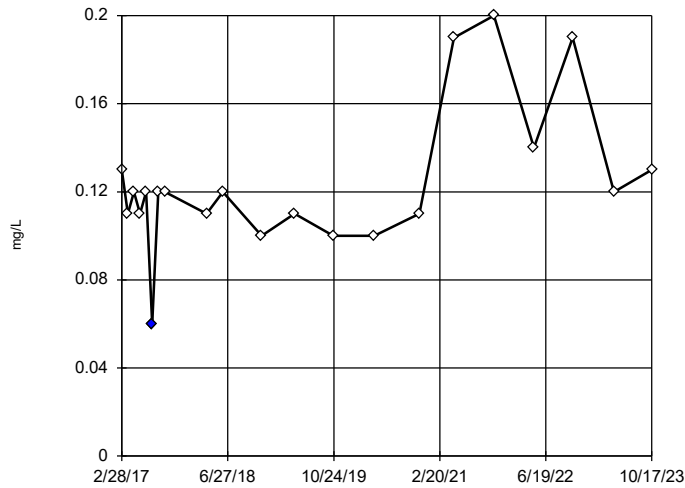
Tukey's Outlier Screening MW-D2



n = 21
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 0.1459, low cutoff = 0.0224, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 12/9/2023 3:20 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

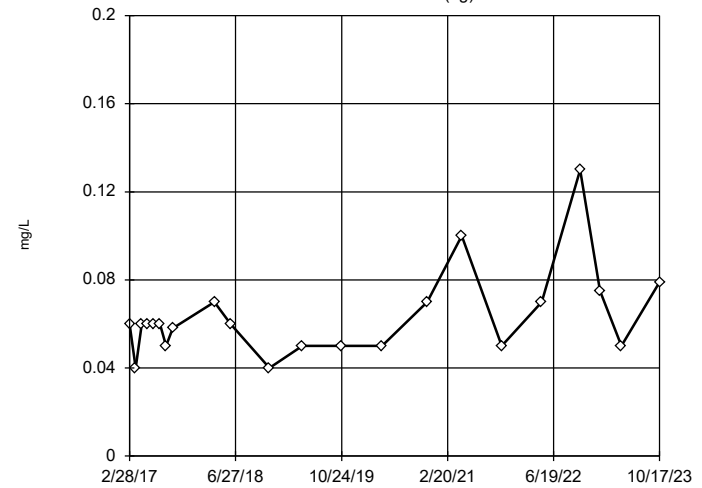
Tukey's Outlier Screening MW-D3



n = 21
 Outlier is drawn as solid.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 0.2146, low cutoff = 0.06664, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 12/9/2023 3:20 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening MW-U1 (bg)

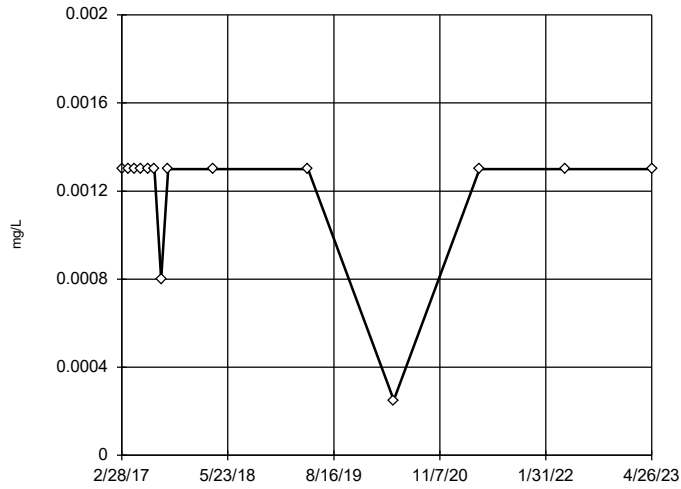


n = 22
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 0.1921, low cutoff = 0.01822, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 12/9/2023 3:20 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D1



n = 14

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

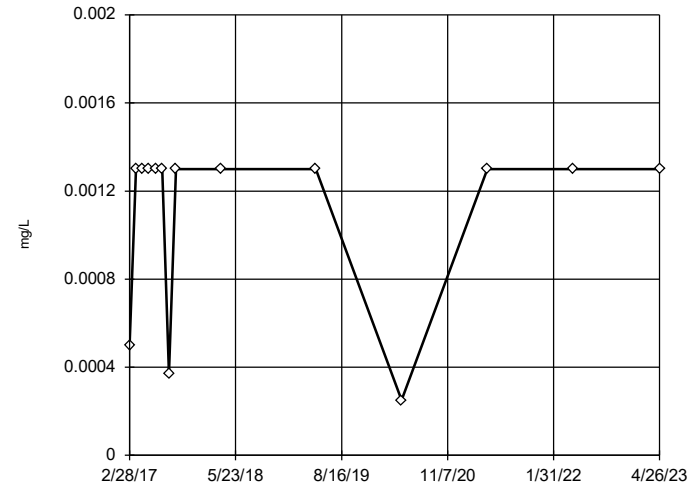
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lead Analysis Run 12/9/2023 3:20 PM

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

Tukey's Outlier Screening

MW-D2



n = 14

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

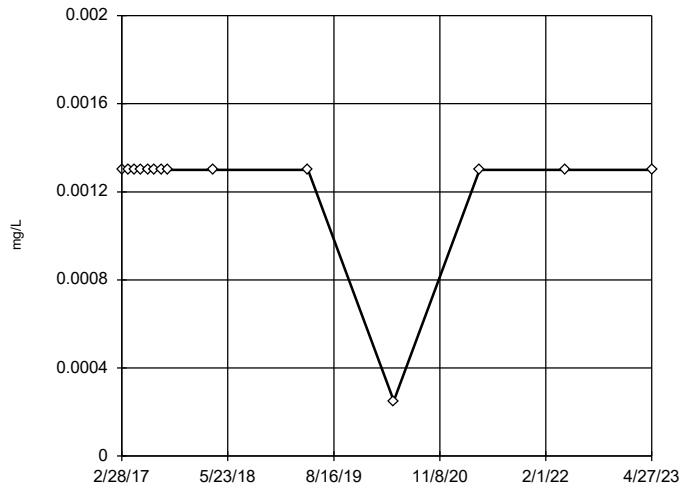
High cutoff = 0.00545, low cutoff = 0.0001923, based on IQR multiplier of 3.

Constituent: Lead Analysis Run 12/9/2023 3:20 PM

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

Tukey's Outlier Screening

MW-D3



n = 14

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

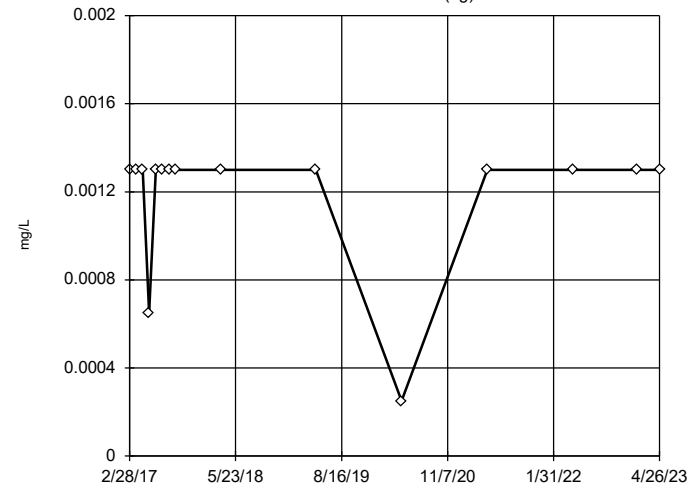
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lead Analysis Run 12/9/2023 3:20 PM

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

Tukey's Outlier Screening

MW-U1 (bg)



n = 15

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

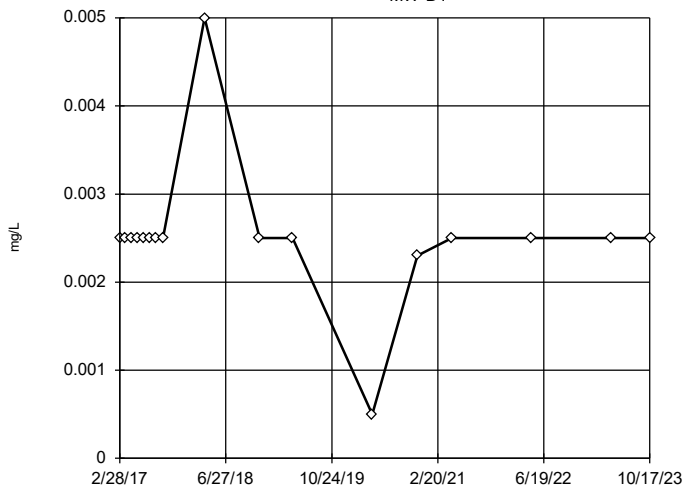
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lead Analysis Run 12/9/2023 3:20 PM

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

Tukey's Outlier Screening

MW-D1



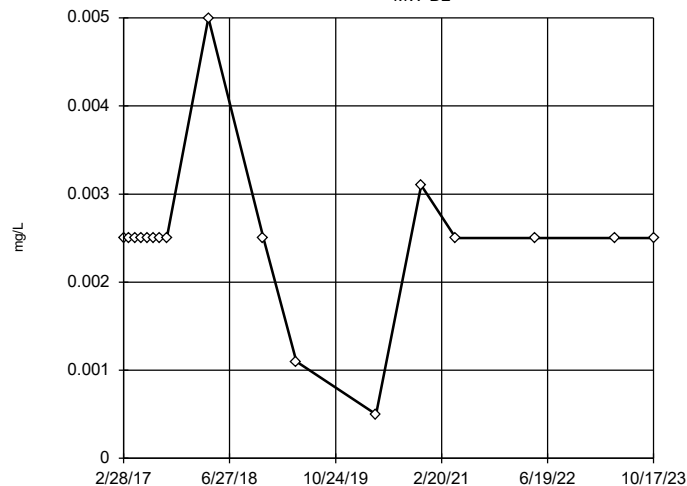
n = 17
 No outliers found. Tukey's method selected by user.
 Ladder of Powers transformations did not improve normality; analysis run on raw data.
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lithium Analysis Run 12/9/2023 3:21 PM

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

Tukey's Outlier Screening

MW-D2



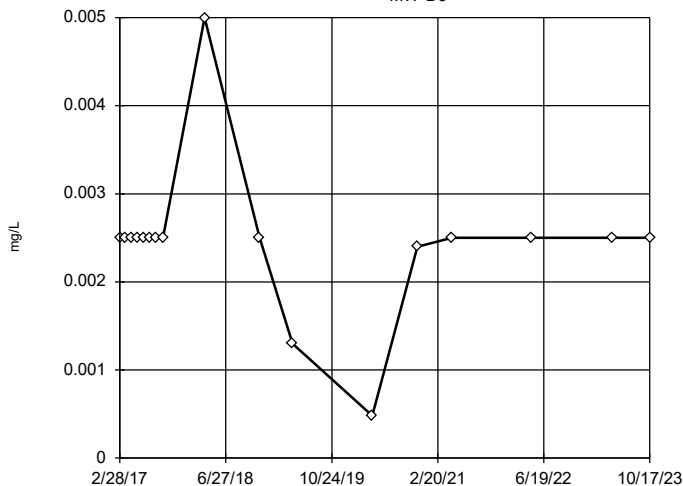
n = 17
 No outliers found. Tukey's method selected by user.
 Ladder of Powers transformations did not improve normality; analysis run on raw data.
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lithium Analysis Run 12/9/2023 3:21 PM

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

Tukey's Outlier Screening

MW-D3



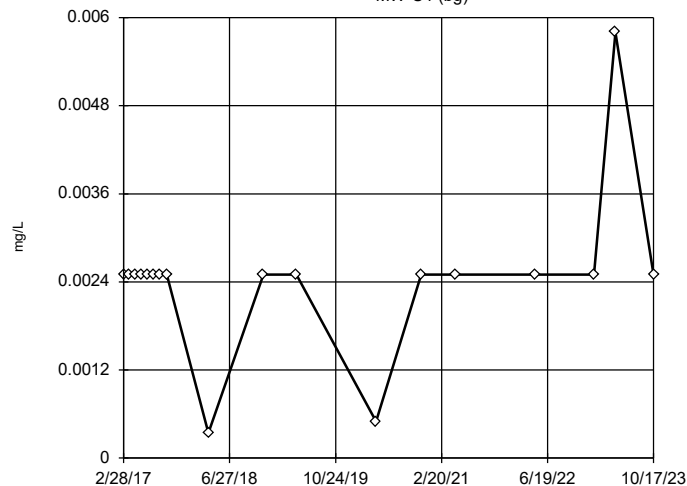
n = 17
 No outliers found. Tukey's method selected by user.
 Data were square root transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lithium Analysis Run 12/9/2023 3:21 PM

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

Tukey's Outlier Screening

MW-U1 (bg)



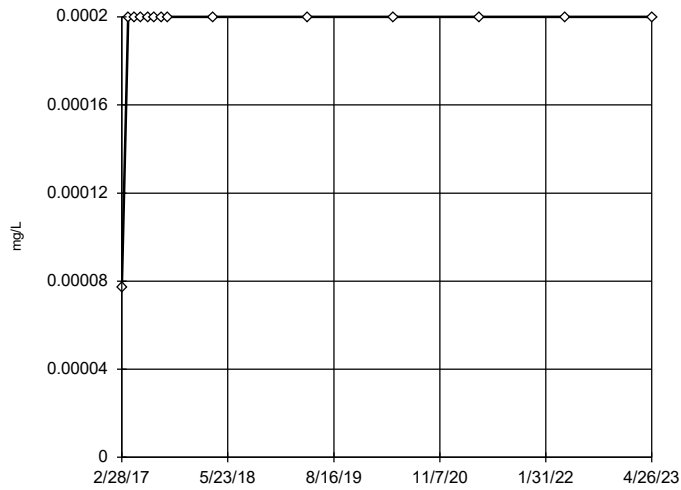
n = 18
 No outliers found. Tukey's method selected by user.
 Data were square root transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lithium Analysis Run 12/9/2023 3:21 PM

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

Tukey's Outlier Screening

MW-D1



n = 14

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

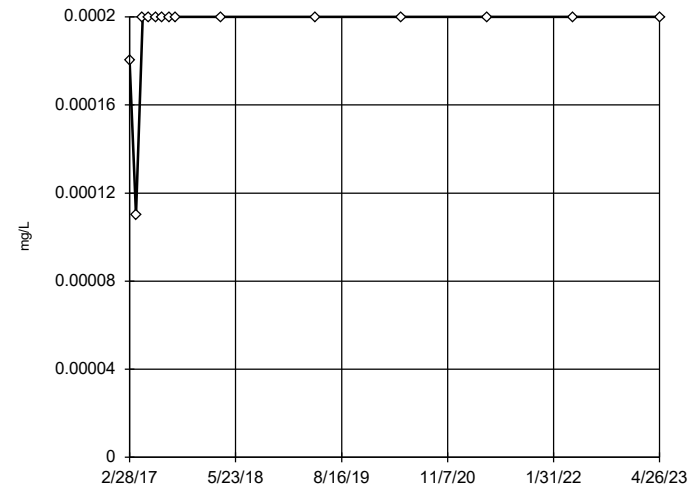
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 12/9/2023 3:21 PM

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

Tukey's Outlier Screening

MW-D2



n = 14

No outliers found. Tukey's method selected by user.

Data were x⁴ transformed to achieve best W statistic (graph shown in original units).

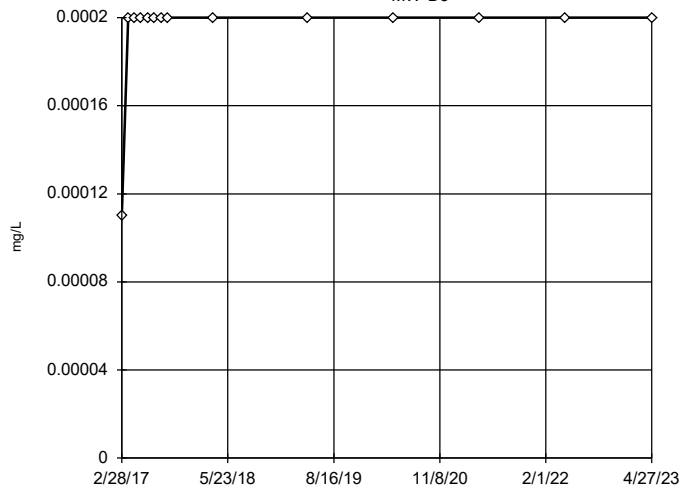
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 12/9/2023 3:21 PM

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

Tukey's Outlier Screening

MW-D3



n = 14

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

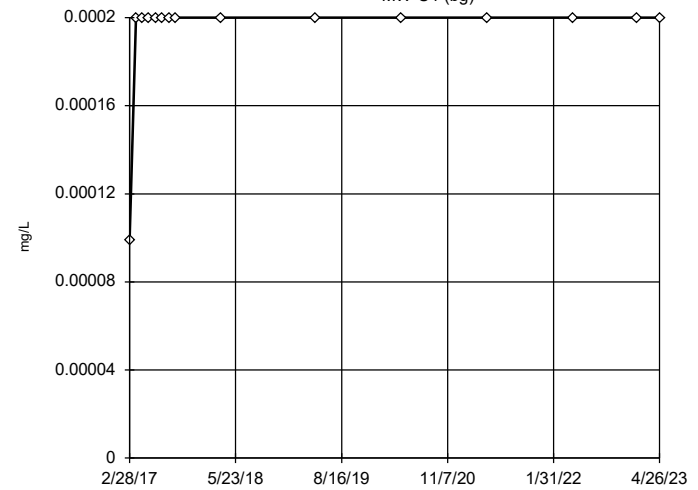
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 12/9/2023 3:21 PM

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

Tukey's Outlier Screening

MW-U1 (bg)



n = 15

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

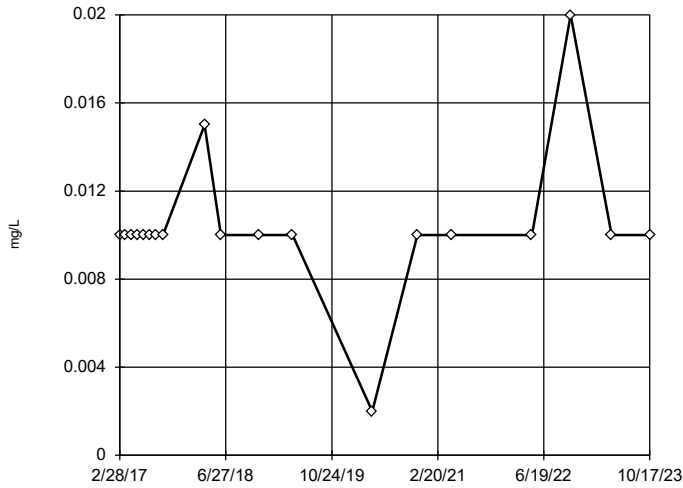
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 12/9/2023 3:21 PM

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

Tukey's Outlier Screening

MW-D1

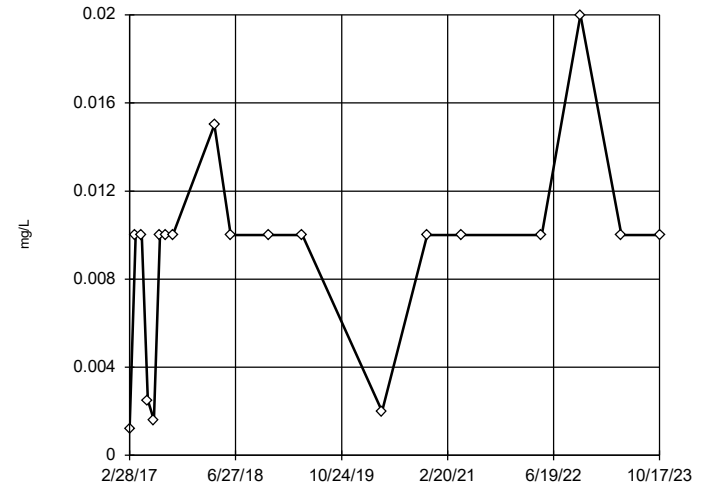


n = 19
No outliers found. Tukey's method selected by user.
Ladder of Powers transformations did not improve normality; analysis run on raw data.
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Molybdenum Analysis Run 12/9/2023 3:21 PM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

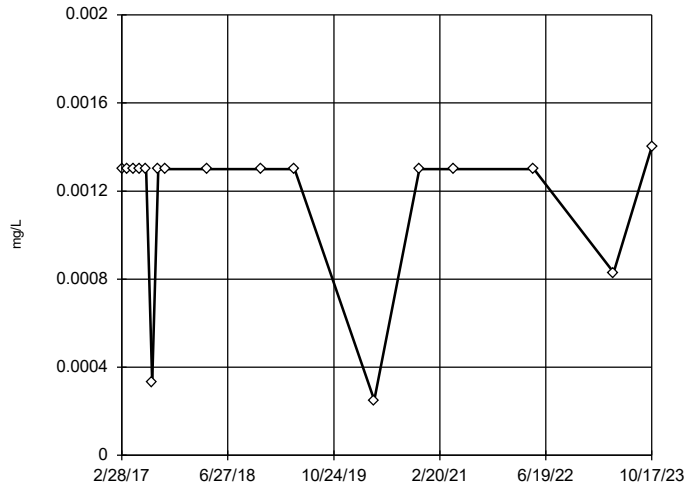
Tukey's Outlier Screening

MW-D2



Tukey's Outlier Screening

MW-D1



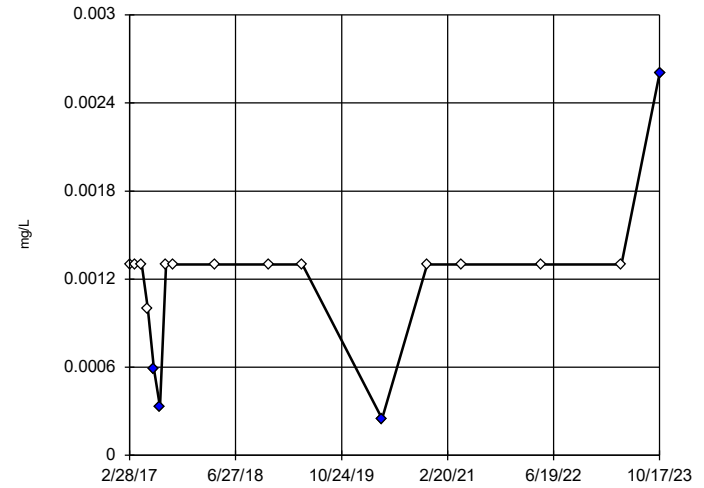
n = 17
 No outliers found. Tukey's method selected by user.
 Data were x⁶ transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Selenium Analysis Run 12/9/2023 3:21 PM

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

Tukey's Outlier Screening

MW-D2



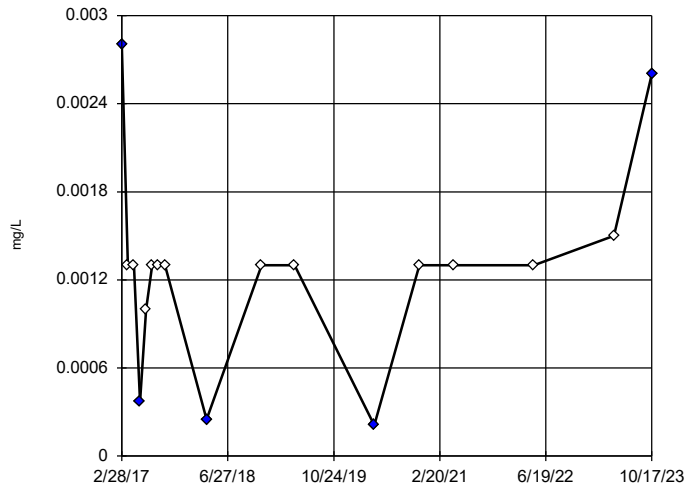
n = 17
 Outliers are drawn as solid.
 Tukey's method selected by user.
 Data were square root transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 0.001824, low cutoff = 0.0007393, based on IQR multiplier of 3.

Constituent: Selenium Analysis Run 12/9/2023 3:21 PM

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

Tukey's Outlier Screening

MW-D3



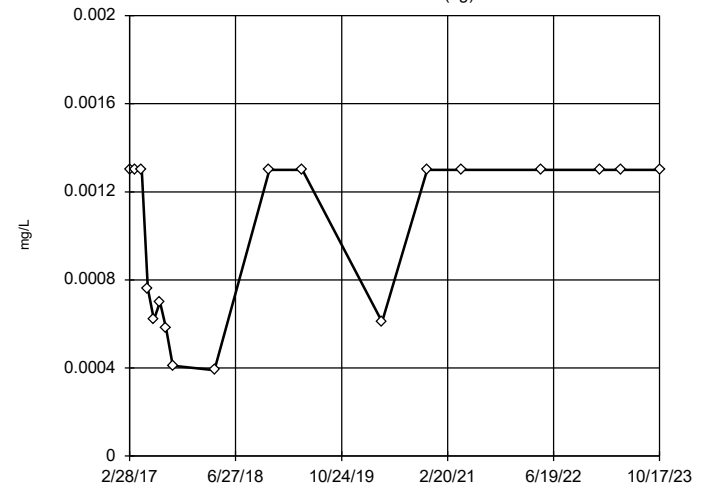
n = 17
 Outliers are drawn as solid.
 Tukey's method selected by user.
 Data were square root transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 0.001824, low cutoff = 0.0007393, based on IQR multiplier of 3.

Constituent: Selenium Analysis Run 12/9/2023 3:21 PM

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

Tukey's Outlier Screening

MW-U1 (bg)



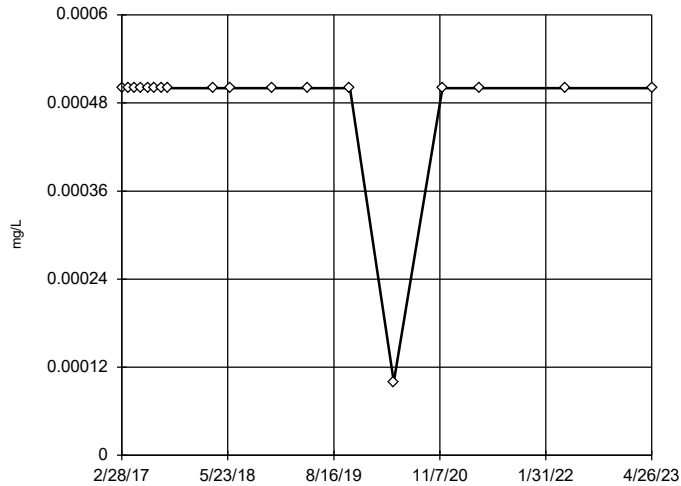
n = 18
 No outliers found. Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 0.01228, low cutoff = 0.0000651, based on IQR multiplier of 3.

Constituent: Selenium Analysis Run 12/9/2023 3:21 PM

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

Tukey's Outlier Screening

MW-D1

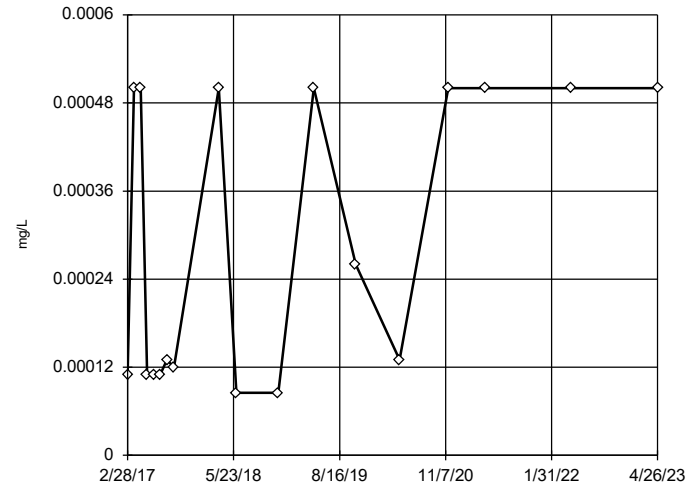


n = 18
 No outliers found. Tukey's method selected by user.
 Data were x^6 transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Thallium Analysis Run 12/9/2023 3:21 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D2

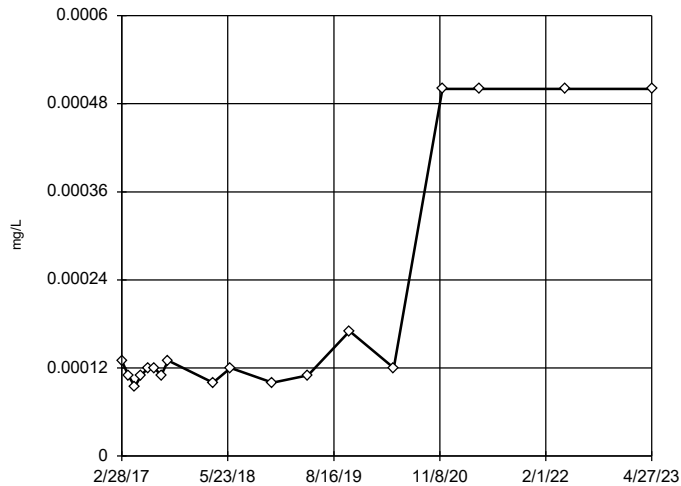


n = 18
 No outliers found. Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 0.04696, low cutoff = 0.000001171, based on IQR multiplier of 3.

Constituent: Thallium Analysis Run 12/9/2023 3:21 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Tukey's Outlier Screening

MW-D3



Outlier Analysis

CCPC Plant Crisp Ash Pond Site

Client: Geosyntec

Data: Sanitas_Statistics Sampling Events 1 through 10

Printed 12/9/2023, 3:23 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>
Antimony (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	14	0.002357	0.0005345	unknown	ShapiroWilk
Antimony (mg/L)	MW-D2	n/a	n/a	n/a	NP	NaN	14	0.002357	0.0005345	unknown	ShapiroWilk
Antimony (mg/L)	MW-D3	n/a	n/a	n/a	NP	NaN	14	0.002357	0.0005345	unknown	ShapiroWilk
Antimony (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	15	0.002367	0.0005164	unknown	ShapiroWilk
Arsenic (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	20	0.001308	0.0003657	unknown	ShapiroWilk
Arsenic (mg/L)	MW-D2	n/a	n/a	n/a	NP	NaN	20	0.001226	0.0004236	unknown	ShapiroWilk
Arsenic (mg/L)	MW-D3	No	n/a	n/a	NP	NaN	20	0.001069	0.0004797	ln(x)	ShapiroWilk
Arsenic (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	21	0.001291	0.0004374	unknown	ShapiroWilk
Barium (mg/L)	MW-D1	No	n/a	n/a	NP	NaN	21	0.01478	0.004745	ln(x)	ShapiroWilk
Barium (mg/L)	MW-D2	No	n/a	n/a	NP	NaN	21	0.1437	0.02452	normal	ShapiroWilk
Barium (mg/L)	MW-D3	No	n/a	n/a	NP	NaN	21	0.1366	0.06218	sqrt(x)	ShapiroWilk
Barium (mg/L)	MW-U1 (bg)	No	n/a	n/a	NP	NaN	22	0.002586	0.0009563	ln(x)	ShapiroWilk
Beryllium (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	14	0.001921	0.0004577	unknown	ShapiroWilk
Beryllium (mg/L)	MW-D2	n/a	n/a	n/a	NP	NaN	14	0.001921	0.0004577	unknown	ShapiroWilk
Beryllium (mg/L)	MW-D3	n/a	n/a	n/a	NP	NaN	14	0.001921	0.0004577	unknown	ShapiroWilk
Beryllium (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	15	0.001927	0.0004415	unknown	ShapiroWilk
Cadmium (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	15	0.001047	0.0004518	unknown	ShapiroWilk
Cadmium (mg/L)	MW-D2	n/a	n/a	n/a	NP	NaN	15	0.001038	0.0004693	unknown	ShapiroWilk
Cadmium (mg/L)	MW-D3	n/a	n/a	n/a	NP	NaN	15	0.001038	0.0004699	unknown	ShapiroWilk
Cadmium (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	16	0.001044	0.0004366	unknown	ShapiroWilk
Chromium (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	19	0.002484	0.0008348	unknown	ShapiroWilk
Chromium (mg/L)	MW-D2	n/a	n/a	n/a	NP	NaN	19	0.0024	0.0006325	unknown	ShapiroWilk
Chromium (mg/L)	MW-D3	n/a	n/a	n/a	NP	NaN	19	0.002479	0.0005574	unknown	ShapiroWilk
Chromium (mg/L)	MW-U1 (bg)	No	n/a	n/a	NP	NaN	20	0.00194	0.001148	ln(x)	ShapiroWilk
Cobalt (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	19	0.002347	0.0004926	unknown	ShapiroWilk
Cobalt (mg/L)	MW-D2	n/a	n/a	n/a	NP	NaN	19	0.002314	0.0005635	unknown	ShapiroWilk
Cobalt (mg/L)	MW-D3	No	n/a	n/a	NP	NaN	19	0.001437	0.000649	x^(1/3)	ShapiroWilk
Cobalt (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	20	0.00224	0.0006524	unknown	ShapiroWilk
Combined Radium 226 + 228 (pCi/L)	MW-D1	No	n/a	n/a	NP	NaN	21	0.4806	0.3117	x^(1/3)	ShapiroWilk
Combined Radium 226 + 228 (pCi/L)	MW-D2	No	n/a	n/a	NP	NaN	21	0.5579	0.2956	normal	ShapiroWilk
Combined Radium 226 + 228 (pCi/L)	MW-D3	Yes	0.0501	11/29/2018	NP	NaN	21	0.5853	0.2669	sqrt(x)	ShapiroWilk
Combined Radium 226 + 228 (pCi/L)	MW-U1 (bg)	No	n/a	n/a	NP	NaN	21	0.4052	0.3903	sqrt(x)	ShapiroWilk
Fluoride (mg/L)	MW-D1	No	n/a	n/a	NP	NaN	21	0.08181	0.03063	ln(x)	ShapiroWilk
Fluoride (mg/L)	MW-D2	No	n/a	n/a	NP	NaN	21	0.06138	0.01695	ln(x)	ShapiroWilk
Fluoride (mg/L)	MW-D3	Yes	0.06	7/17/2017	NP	NaN	21	0.1243	0.03295	ln(x)	ShapiroWilk
Fluoride (mg/L)	MW-U1 (bg)	No	n/a	n/a	NP	NaN	22	0.06327	0.02018	ln(x)	ShapiroWilk
Lead (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	14	0.001189	0.0003014	unknown	ShapiroWilk
Lead (mg/L)	MW-D2	No	n/a	n/a	NP	NaN	14	0.001101	0.0003976	ln(x)	ShapiroWilk
Lead (mg/L)	MW-D3	n/a	n/a	n/a	NP	NaN	14	0.001225	0.0002806	unknown	ShapiroWilk
Lead (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	15	0.001187	0.0003085	unknown	ShapiroWilk
Lithium (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	17	0.002518	0.0008017	unknown	ShapiroWilk
Lithium (mg/L)	MW-D2	n/a	n/a	n/a	NP	NaN	17	0.002482	0.0008862	unknown	ShapiroWilk
Lithium (mg/L)	MW-D3	n/a	n/a	n/a	NP	NaN	17	0.002452	0.0008566	unknown	ShapiroWilk
Lithium (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	18	0.002452	0.001071	unknown	ShapiroWilk
Mercury (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	14	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-D2	n/a	n/a	n/a	NP	NaN	14	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-D3	n/a	n/a	n/a	NP	NaN	14	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	15	0.000...	0.0000...	unknown	ShapiroWilk
Molybdenum (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	19	0.01037	0.003218	unknown	ShapiroWilk
Molybdenum (mg/L)	MW-D2	n/a	n/a	n/a	NP	NaN	19	0.009068	0.004575	unknown	ShapiroWilk

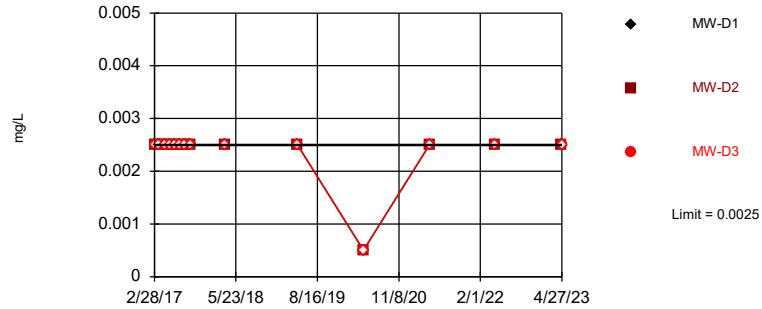
Outlier Analysis

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10 Printed 12/9/2023, 3:23 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	NaN	19	0.004732	0.003266	ln(x)	ShapiroWilk
Molybdenum (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	20	0.009305	0.003856	unknown	ShapiroWilk
Selenium (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	17	0.001159	0.0003481	unknown	ShapiroWilk
Selenium (mg/L)	MW-D2	Yes	0.00059,0...	6/19/2017...	NP	NaN	17	0.001198	0.0005094	sqrt(x)	ShapiroWilk
Selenium (mg/L)	MW-D3	Yes	0.0028,0....	2/28/2017...	NP	NaN	17	0.001278	0.0006716	sqrt(x)	ShapiroWilk
Selenium (mg/L)	MW-U1 (bg)	No	n/a	n/a	NP	NaN	18	0.001021	0.0003697	ln(x)	ShapiroWilk
Thallium (mg/L)	MW-D1	n/a	n/a	n/a	NP	NaN	18	0.000...	0.0000...	unknown	ShapiroWilk
Thallium (mg/L)	MW-D2	No	n/a	n/a	NP	NaN	18	0.000...	0.0001951	ln(x)	ShapiroWilk
Thallium (mg/L)	MW-D3	No	n/a	n/a	NP	NaN	18	0.000...	0.0001644	ln(x)	ShapiroWilk
Thallium (mg/L)	MW-U1 (bg)	n/a	n/a	n/a	NP	NaN	19	0.000...	0.0000...	unknown	ShapiroWilk

Within Limit

Tolerance Limit
Interwell Non-parametric



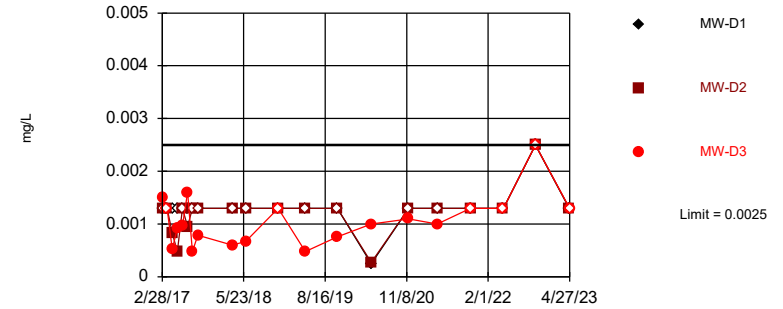
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. All background values were censored; limit is most recent reporting limit. 73.63% coverage at alpha=0.01; 81.84% coverage at alpha=0.05; 95.51% coverage at alpha=0.5. Report alpha = 0.4633.

Constituent: Antimony Analysis Run 12/9/2023 3:25 PM

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

Within Limit

Tolerance Limit
Interwell Non-parametric



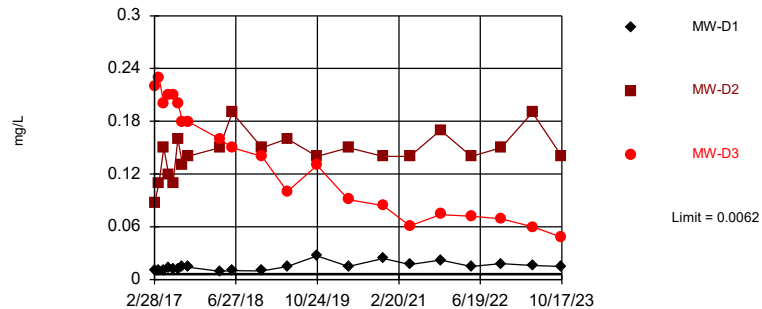
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. Limit is highest of 21 background values. 80.95% NDs. 80.27% coverage at alpha=0.01; 86.52% coverage at alpha=0.05; 96.68% coverage at alpha=0.5. Report alpha = 0.3406.

Constituent: Arsenic Analysis Run 12/9/2023 3:25 PM

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

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

Tolerance Limit
Interwell Non-parametric



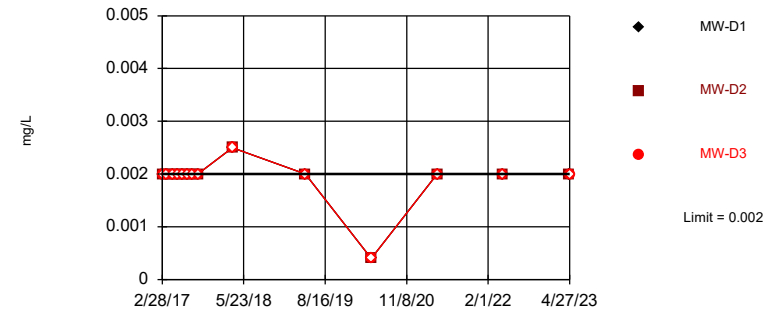
Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Most recent observation is compared with limit. Limit is highest of 22 background values. 81.05% coverage at alpha=0.01; 87.3% coverage at alpha=0.05; 97.07% coverage at alpha=0.5. Report alpha = 0.3235.

Constituent: Barium Analysis Run 12/9/2023 3:25 PM

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

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. 73.63% coverage at alpha=0.01; 81.84% coverage at alpha=0.05; 95.51% coverage at alpha=0.5. Report alpha = 0.4633.

Constituent: Beryllium Analysis Run 12/9/2023 3:25 PM

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

Tolerance Limit

Constituent: Antimony (mg/L) Analysis Run 12/9/2023 3:27 PM

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

	MW-D1	MW-U1 (bg)	MW-D2	MW-D3
2/28/2017	<0.0025 (**)	<0.0025 (**)	<0.0025 (F1)	<0.0025 (**)
3/27/2017	<0.0025	<0.0025	<0.0025	<0.0025
4/24/2017	<0.0025	<0.0025	<0.0025	<0.0025
5/22/2017	<0.0025	<0.0025	<0.0025	<0.0025
6/19/2017	<0.0025	<0.0025	<0.0025	<0.0025
7/17/2017	<0.0025	<0.0025	<0.0025	<0.0025
8/14/2017	<0.0025	<0.0025	<0.0025	<0.0025
9/13/2017	<0.0025	<0.0025	<0.0025	<0.0025
3/22/2018	<0.0025	<0.0025	<0.0025	<0.0025
4/29/2019	<0.0025	<0.0025	<0.0025	<0.0025
4/27/2020	<0.0005 (*)	<0.0005 (*)	<0.0005 (*)	<0.0005
4/26/2021	<0.0025	<0.0025	<0.0025	<0.0025
4/26/2022	<0.0025	<0.0025	<0.0025	<0.0025
1/18/2023		<0.0025		
4/26/2023	<0.0025	<0.0025	<0.0025	
4/27/2023				<0.0025

Tolerance Limit

Constituent: Arsenic (mg/L) Analysis Run 12/9/2023 3:27 PM

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

	MW-D1	MW-U1 (bg)	MW-D2	MW-D3
2/28/2017	<0.0013	<0.0013	<0.0013	0.0015
3/27/2017	<0.0013	<0.0013	<0.0013	<0.0013
4/24/2017	<0.0013	<0.0013	0.00083 (J)	0.00052 (J)
5/22/2017	<0.0013	<0.0013	0.00048 (J)	0.00092 (J)
6/19/2017	<0.0013	<0.0013	<0.0013	0.00097 (J)
7/17/2017	<0.0013	0.00046 (J)	0.00095 (J)	0.0016
8/14/2017	<0.0013	<0.0013	<0.0013	0.00048 (J)
9/13/2017	<0.0013	<0.0013	<0.0013	0.00079 (J)
3/22/2018	<0.0013	<0.0013	<0.0013	0.0006 (J)
6/5/2018	<0.0013	<0.0013	<0.0013	0.00067 (J)
11/29/2018	<0.0013	<0.0013	<0.0013	<0.0013
4/29/2019	<0.0013	<0.0013	<0.0013	0.00048 (J)
10/23/2019	<0.0013	<0.0013	<0.0013	0.00076 (J)
4/27/2020	<0.00025 (*)	0.00015 (JB)	0.00027 (B)	0.001 (B)
11/19/2020	<0.0013	<0.0013	<0.0013	0.0011 (J)
4/26/2021	<0.0013	<0.0013	<0.0013	0.001 (J)
10/26/2021	<0.0013	0.0013	<0.0013	<0.0013
4/26/2022	<0.0013	0.0019	<0.0013	<0.0013
10/19/2022		<0.0025		
10/20/2022	<0.0025		<0.0025	<0.0025
1/18/2023		<0.0013		
4/26/2023	<0.0013	<0.0013	<0.0013	
4/27/2023				<0.0013

Tolerance Limit

Constituent: Barium (mg/L) Analysis Run 12/9/2023 3:27 PM

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

	MW-D1	MW-U1 (bg)	MW-D2	MW-D3
2/28/2017	0.011	0.0034	0.087	0.22
3/27/2017	0.0099	0.0026	0.11	0.23
4/24/2017	0.011	0.0022 (J)	0.15	0.2
5/22/2017	0.013	0.002 (J)	0.12	0.21
6/19/2017	0.012	0.0021 (J)	0.11	0.21
7/17/2017	0.012	0.0025	0.16	0.2
8/14/2017	0.014	0.002 (J)	0.13	0.18
9/13/2017	0.014	0.0023 (J)	0.14	0.18
3/22/2018	0.0095	0.0021 (J)	0.15	0.16
6/5/2018	0.01	0.0025	0.19	0.15
11/29/2018	0.0099	0.0018 (J)	0.15	0.14
4/29/2019	0.015	0.0018 (J)	0.16	0.1
10/23/2019	0.027	0.0022 (J)	0.14	0.13
4/27/2020	0.015	0.0022	0.15	0.091
11/19/2020	0.024	0.0062	0.14	0.084
4/26/2021	0.017	0.0021 (J)	0.14	0.061
10/26/2021	0.022 (B)	0.0024 (JB)	0.17	0.074 (B)
4/26/2022	0.015	0.0031	0.14	0.072
10/19/2022		0.0024 (J)		
10/20/2022	0.018		0.15	0.069
1/18/2023		0.0021 (J)		
4/26/2023	0.016	0.0031	0.19	
4/27/2023				0.06
10/17/2023	0.015 (F1)	0.0038	0.14	0.048

Tolerance Limit

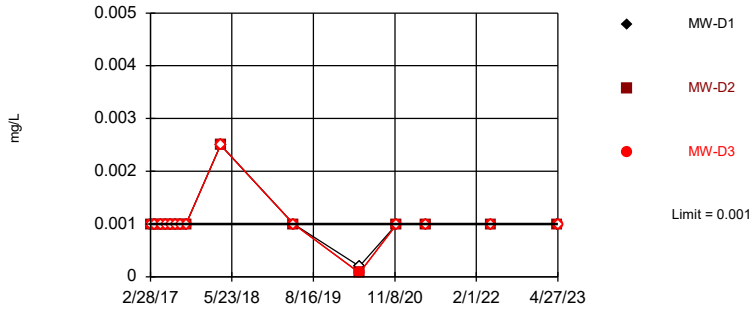
Constituent: Beryllium (mg/L) Analysis Run 12/9/2023 3:27 PM

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

	MW-D1	MW-U1 (bg)	MW-D2	MW-D3
2/28/2017	<0.002	<0.002	<0.002	<0.002
3/27/2017	<0.002	<0.002	<0.002	<0.002
4/24/2017	<0.002	<0.002	<0.002	<0.002
5/22/2017	<0.002	<0.002	<0.002	<0.002
6/19/2017	<0.002	<0.002	<0.002	<0.002
7/17/2017	<0.002	<0.002	<0.002	<0.002
8/14/2017	<0.002	<0.002	<0.002	<0.002
9/13/2017	<0.002	<0.002	<0.002	<0.002
3/22/2018	<0.0025	<0.0025	<0.0025	<0.0025
4/29/2019	<0.002	<0.002	<0.002	<0.002
4/27/2020	<0.0004	<0.0004 (^)	<0.0004 (^)	<0.0004 (^)
4/26/2021	<0.002	<0.002	<0.002	<0.002
4/26/2022	<0.002	<0.002	<0.002	<0.002
1/18/2023		<0.002		
4/26/2023	<0.002	<0.002	<0.002	
4/27/2023				<0.002

Within Limit

Tolerance Limit
Interwell Non-parametric



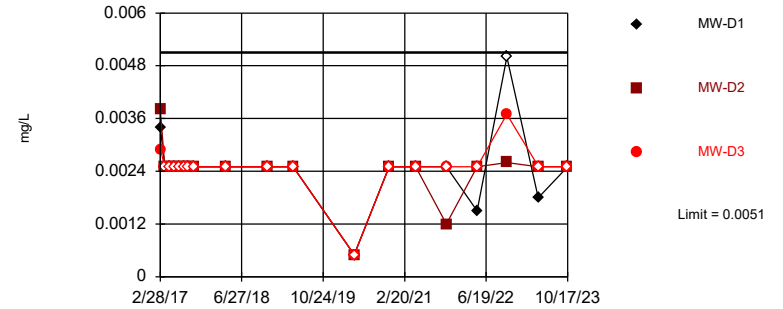
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. All background values were censored; limit is most recent reporting limit. 74.8% coverage at alpha=0.01; 83.01% coverage at alpha=0.05; 95.9% coverage at alpha=0.5. Report alpha = 0.4401.

Constituent: Cadmium Analysis Run 12/9/2023 3:26 PM

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

Within Limit

Tolerance Limit
Interwell Non-parametric



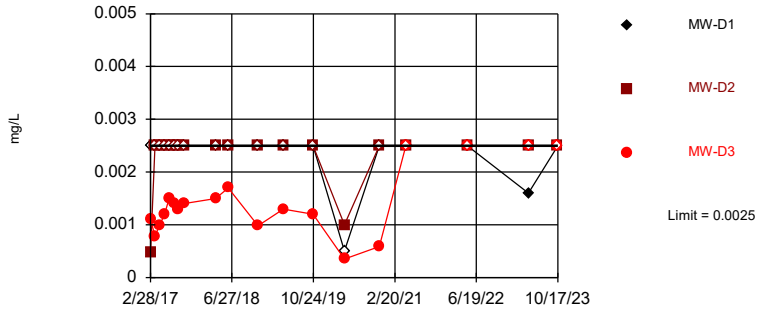
Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Most recent observation is compared with limit. Limit is highest of 20 background values. 10% NDs. 79.49% coverage at alpha=0.01; 86.13% coverage at alpha=0.05; 96.68% coverage at alpha=0.5. Report alpha = 0.3585.

Constituent: Chromium Analysis Run 12/9/2023 3:26 PM

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

Within Limit

Tolerance Limit
Interwell Non-parametric



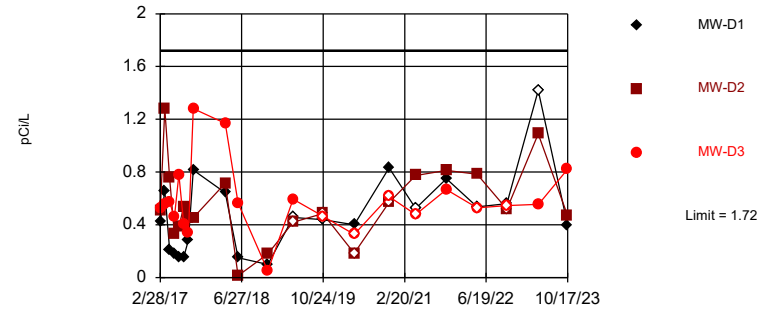
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. Limit is highest of 20 background values. 95% NDs. 79.49% coverage at alpha=0.01; 86.13% coverage at alpha=0.05; 96.68% coverage at alpha=0.5. Report alpha = 0.3585.

Constituent: Cobalt Analysis Run 12/9/2023 3:26 PM

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

Within Limit

Tolerance Limit
Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because the data required both a power transformation and Cohen's adjustment. Most recent observation is compared with limit. Limit is highest of 21 background values. 28.57% NDs. 80.27% coverage at alpha=0.01; 86.52% coverage at alpha=0.05; 96.68% coverage at alpha=0.5. Report alpha = 0.3406.

Constituent: Combined Radium 226 + 228 Analysis Run 12/9/2023 3:26 PM

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

Tolerance Limit

Constituent: Cadmium (mg/L) Analysis Run 12/9/2023 3:27 PM

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

	MW-D1	MW-U1 (bg)	MW-D2	MW-D3
2/28/2017	<0.001	<0.001	<0.001	<0.001
3/27/2017	<0.001	<0.001	<0.001	<0.001
4/24/2017	<0.001	<0.001	<0.001	<0.001
5/22/2017	<0.001	<0.001	<0.001	<0.001
6/19/2017	<0.001	<0.001	<0.001	<0.001
7/17/2017	<0.001	<0.001	<0.001	<0.001
8/14/2017	<0.001	<0.001	<0.001	<0.001
9/13/2017	<0.001	<0.001	<0.001	<0.001
3/22/2018	<0.0025	<0.0025	<0.0025	<0.0025
4/29/2019	<0.001	<0.001	<0.001	<0.001
4/27/2020	<0.0002	<0.0002	7.5E-05 (J [*])	7.1E-05 (J)
11/19/2020	<0.001	<0.001	<0.001	<0.001
4/26/2021	<0.001	<0.001	<0.001	<0.001
4/26/2022	<0.001	<0.001	<0.001	<0.001
1/18/2023		<0.001		
4/26/2023	<0.001	<0.001	<0.001	
4/27/2023				<0.001

Tolerance Limit

Constituent: Chromium (mg/L) Analysis Run 12/9/2023 3:28 PM

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

	MW-D1	MW-U1 (bg)	MW-D2	MW-D3
2/28/2017	0.0034	0.0051	0.0038	0.0029
3/27/2017	<0.0025	0.0017 (J)	<0.0025	<0.0025
4/24/2017	<0.0025	0.0014 (J)	<0.0025	<0.0025
5/22/2017	<0.0025	0.0014 (J)	<0.0025	<0.0025
6/19/2017	<0.0025	0.0014 (J)	<0.0025	<0.0025
7/17/2017	<0.0025	0.0014 (J)	<0.0025	<0.0025
8/14/2017	<0.0025	0.0012 (J)	<0.0025	<0.0025
9/13/2017	<0.0025	0.0014 (J)	<0.0025	<0.0025
3/22/2018	<0.0025	0.0016 (J)	<0.0025	<0.0025
11/29/2018	<0.0025	0.0012 (J)	<0.0025	<0.0025
4/29/2019	<0.0025	0.0011 (J)	<0.0025	<0.0025
4/27/2020	<0.0005 (^)	0.0013	<0.0005 (^)	<0.0005 (^)
11/19/2020	<0.0025 (^)	0.0015 (J)	<0.0025 (^)	<0.0025 (^)
4/26/2021	<0.0025	0.0011 (J)	<0.0025	<0.0025
10/26/2021	<0.0025	0.0016 (J)	0.0012 (J)	<0.0025
4/26/2022	0.0015 (J)	0.0026	<0.0025	<0.0025
10/19/2022		<0.005		
10/20/2022	<0.005		0.0026 (J^)	0.0037 (J^)
1/18/2023		<0.0025		
4/26/2023	0.0018 (J)	0.0021 (J)	<0.0025	
4/27/2023				<0.0025
10/17/2023	<0.0025	0.0022 (J)	<0.0025	<0.0025

Tolerance Limit

Constituent: Cobalt (mg/L) Analysis Run 12/9/2023 3:28 PM

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

	MW-D1	MW-U1 (bg)	MW-D2	MW-D3
2/28/2017	<0.0025	<0.0025	0.00047 (J)	0.0011 (J)
3/27/2017	<0.0025	<0.0025	<0.0025	0.00079 (J)
4/24/2017	<0.0025	<0.0025	<0.0025	0.001 (J)
5/22/2017	<0.0025	<0.0025	<0.0025	0.0012 (J)
6/19/2017	<0.0025	<0.0025	<0.0025	0.0015 (J)
7/17/2017	<0.0025	<0.0025	<0.0025	0.0014 (J)
8/14/2017	<0.0025	<0.0025	<0.0025	0.0013 (J)
9/13/2017	<0.0025	<0.0025	<0.0025	0.0014 (J)
3/22/2018	<0.0025	<0.0005	<0.0025	0.0015 (J)
6/5/2018	<0.0025	<0.0025	<0.0025	0.0017 (J)
11/29/2018	<0.0025	<0.0025	<0.0025	0.00098 (J)
4/29/2019	<0.0025	<0.0025	<0.0025	0.0013 (J)
10/23/2019	<0.0025	<0.0025	<0.0025	0.0012 (J)
4/27/2020	<0.0005 (^)	<0.0005 (^)	0.001	0.00035 (J)
11/19/2020	<0.0025	<0.0025	<0.0025	0.00059 (J)
4/26/2021	<0.0025	<0.0025	<0.0025	<0.0025
4/26/2022	<0.0025	<0.0025	<0.0025	<0.0025
1/18/2023		<0.0025		
4/26/2023	0.0016 (J)	<0.0025	<0.0025	
4/27/2023				<0.0025
10/17/2023	<0.0025	0.0013 (J)	<0.0025	<0.0025

Tolerance Limit

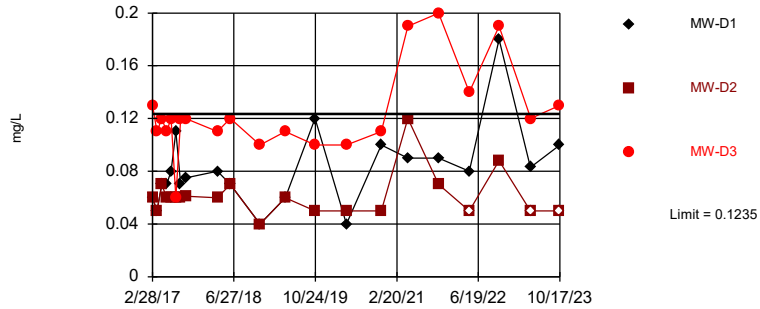
Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/9/2023 3:28 PM

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

	MW-D1	MW-D3	MW-D2	MW-U1 (bg)
2/28/2017	0.421	0.522	0.506	0.117
3/27/2017	0.655	0.557	1.28	0
4/24/2017	0.212	0.572	0.756	0.19
5/22/2017	0.186	0.457	0.333	0.133
6/19/2017	0.156	0.78	0.388	0.135
7/17/2017	0.153	0.409	0.534	0.19
8/14/2017	0.287	0.339	0.452	0.302
9/13/2017	0.816	1.28	0.453	0.614
3/22/2018	0.643	1.17	0.716	0.131
6/5/2018	0.149	0.564	0.0139	0
11/29/2018	0.0994	0.0501	0.18	0.0234
4/29/2019	<0.457	0.594	<0.42	<0.386
10/23/2019	<0.439	<0.465	<0.484	<0.508
4/27/2020	0.401	<0.326	<0.184	<0.298
11/19/2020	0.833	<0.614	<0.57	0.615
4/26/2021	<0.524	<0.478	0.773	0.609
10/26/2021	0.749	0.666	0.812	0.801
4/26/2022	<0.537	<0.528	0.783	<0.716
10/19/2022				<0.444
10/20/2022	0.559	<0.545	<0.52	
4/26/2023	<1.42		1.09	<1.72
4/27/2023		0.555		
10/17/2023	0.396	0.821	0.468	0.576

Exceeds Limit: MW-D3

Tolerance Limit
Interwell Parametric



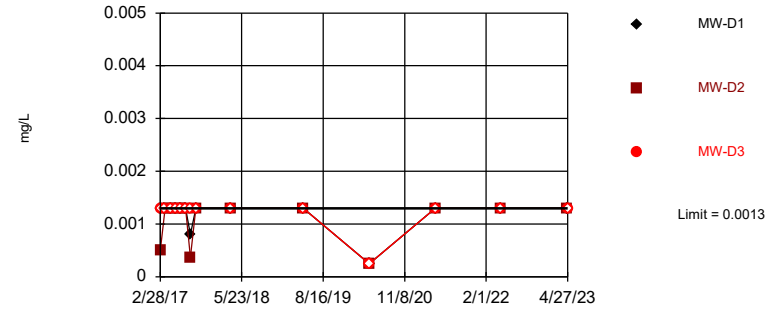
95% coverage. Most recent observation is compared with limit. Background Data Summary (based on cube root transformation): Mean=0.3949, Std. Dev.=0.03779, n=22, 13.64% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8796, critical = 0.878. Report alpha = 0.01.

Constituent: Fluoride Analysis Run 12/9/2023 3:26 PM

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

Within Limit

Tolerance Limit
Interwell Non-parametric



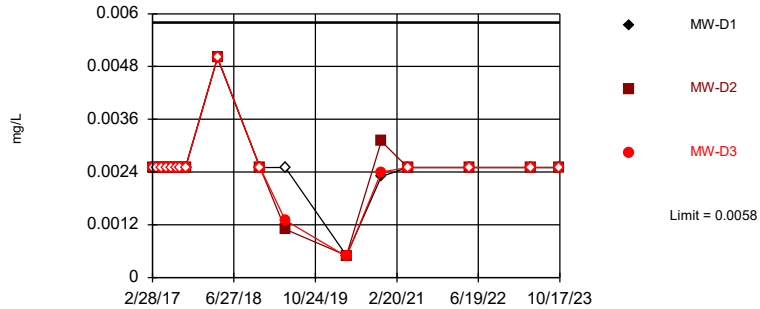
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. Limit is highest of 15 background values. 93.33% NDs. 73.63% coverage at alpha=0.01; 81.84% coverage at alpha=0.05; 95.51% coverage at alpha=0.5. Report alpha = 0.4633.

Constituent: Lead Analysis Run 12/9/2023 3:26 PM

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

Within Limit

Tolerance Limit
Interwell Non-parametric



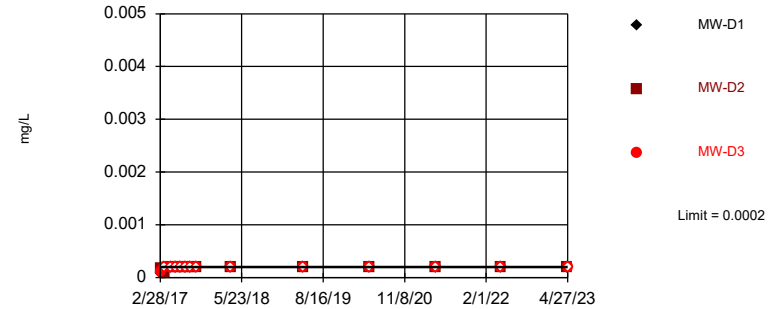
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. Limit is highest of 18 background values. 88.89% NDs. 77.54% coverage at alpha=0.01; 84.57% coverage at alpha=0.05; 96.29% coverage at alpha=0.5. Report alpha = 0.3972.

Constituent: Lithium Analysis Run 12/9/2023 3:26 PM

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

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 15 background values. 93.33% NDs. 73.63% coverage at alpha=0.01; 81.84% coverage at alpha=0.05; 95.51% coverage at alpha=0.5. Report alpha = 0.4633.

Constituent: Mercury Analysis Run 12/9/2023 3:26 PM

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

Tolerance Limit

Constituent: Fluoride (mg/L) Analysis Run 12/9/2023 3:28 PM

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

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

Tolerance Limit

Constituent: Lead (mg/L) Analysis Run 12/9/2023 3:28 PM

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

	MW-D1	MW-U1 (bg)	MW-D2	MW-D3
2/28/2017	<0.0013 (*)	<0.0013	0.0005 (J)	<0.0013 (*)
3/27/2017	<0.0013	<0.0013	<0.0013	<0.0013
4/24/2017	<0.0013	<0.0013	<0.0013	<0.0013
5/22/2017	<0.0013	0.00065 (J)	<0.0013	<0.0013
6/19/2017	<0.0013	<0.0013	<0.0013	<0.0013
7/17/2017	<0.0013	<0.0013	<0.0013	<0.0013
8/14/2017	0.0008 (J)	<0.0013	0.00037 (J)	<0.0013
9/13/2017	<0.0013	<0.0013	<0.0013	<0.0013
3/22/2018	<0.0013	<0.0013	<0.0013	<0.0013
4/29/2019	<0.0013	<0.0013	<0.0013	<0.0013
4/27/2020	<0.00025 (*)	<0.00025 (*)	<0.00025 (*)	<0.00025 (*)
4/26/2021	<0.0013	<0.0013	<0.0013	<0.0013
4/26/2022	<0.0013	<0.0013	<0.0013	<0.0013
1/18/2023		<0.0013		
4/26/2023	<0.0013	<0.0013	<0.0013	
4/27/2023				<0.0013

Tolerance Limit

Constituent: Lithium (mg/L) Analysis Run 12/9/2023 3:28 PM

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

	MW-D1	MW-U1 (bg)	MW-D2	MW-D3
2/28/2017	<0.0025	<0.0025	<0.0025	<0.0025
3/27/2017	<0.0025	<0.0025	<0.0025	<0.0025
4/24/2017	<0.0025	<0.0025	<0.0025	<0.0025
5/22/2017	<0.0025	<0.0025	<0.0025	<0.0025
6/19/2017	<0.0025	<0.0025	<0.0025	<0.0025
7/17/2017	<0.0025	<0.0025	<0.0025	<0.0025
8/14/2017	<0.0025	<0.0025	<0.0025	<0.0025
9/13/2017	<0.0025	<0.0025	<0.0025	<0.0025
3/22/2018	<0.005	0.00034 (J)	<0.005	<0.005
11/29/2018	<0.0025	<0.0025	<0.0025	<0.0025
4/29/2019	<0.0025	<0.0025	0.0011 (J)	0.0013 (J)
4/27/2020	<0.0005 (^)	<0.0005 (^)	<0.0005	0.00048 (J)
11/19/2020	0.0023 (J)	<0.0025	0.0031	0.0024 (J)
4/26/2021	<0.0025	<0.0025	<0.0025	<0.0025
4/26/2022	<0.0025	<0.0025	<0.0025	<0.0025
1/18/2023		<0.0025		
4/26/2023	<0.0025	0.0058	<0.0025	
4/27/2023				<0.0025
10/17/2023	<0.0025	<0.0025	<0.0025	<0.0025

Tolerance Limit

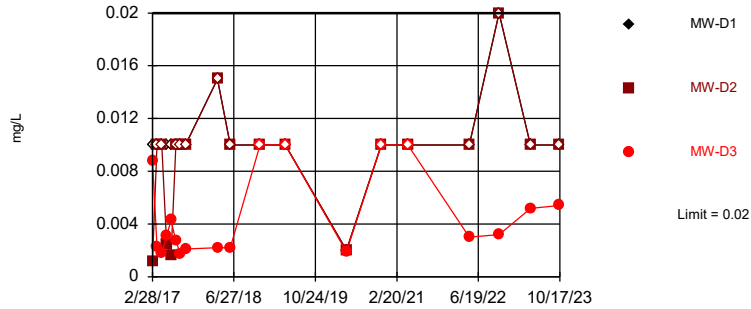
Constituent: Mercury (mg/L) Analysis Run 12/9/2023 3:28 PM

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

	MW-D1	MW-U1 (bg)	MW-D2	MW-D3
2/28/2017	7.7E-05 (JB)	9.9E-05 (JB)	0.00018 (JB)	0.00011 (JB)
3/27/2017	<0.0002	<0.0002	0.00011 (J)	<0.0002
4/24/2017	<0.0002	<0.0002	<0.0002	<0.0002
5/22/2017	<0.0002	<0.0002	<0.0002	<0.0002
6/19/2017	<0.0002	<0.0002	<0.0002	<0.0002
7/17/2017	<0.0002	<0.0002	<0.0002	<0.0002
8/14/2017	<0.0002	<0.0002	<0.0002	<0.0002
9/13/2017	<0.0002	<0.0002	<0.0002	<0.0002
3/22/2018	<0.0002	<0.0002	<0.0002	<0.0002
4/29/2019	<0.0002	<0.0002	<0.0002	<0.0002
4/27/2020	<0.0002	<0.0002	<0.0002	<0.0002
4/26/2021	<0.0002	<0.0002	<0.0002	<0.0002
4/26/2022	<0.0002	<0.0002	<0.0002	<0.0002
1/18/2023		<0.0002		
4/26/2023	<0.0002	<0.0002	<0.0002	
4/27/2023				<0.0002

Within Limit

Tolerance Limit
Interwell Non-parametric



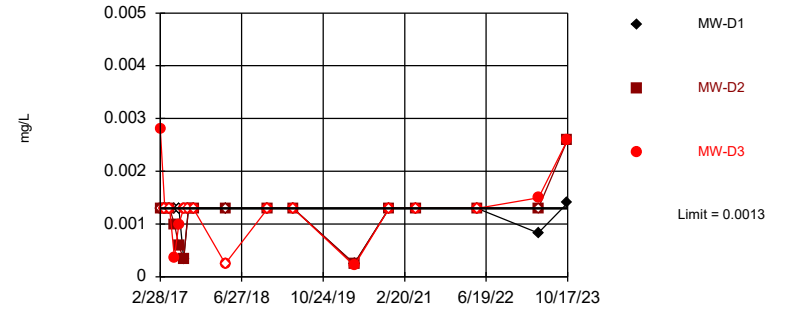
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 75%. Most recent observation is compared with limit. Limit is highest of 20 background values. 95% NDs. 79.49% coverage at alpha=0.01; 86.13% coverage at alpha=0.05; 96.68% coverage at alpha=0.5. Report alpha = 0.3585.

Constituent: Molybdenum Analysis Run 12/9/2023 3:27 PM

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

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

Tolerance Limit
Interwell Non-parametric



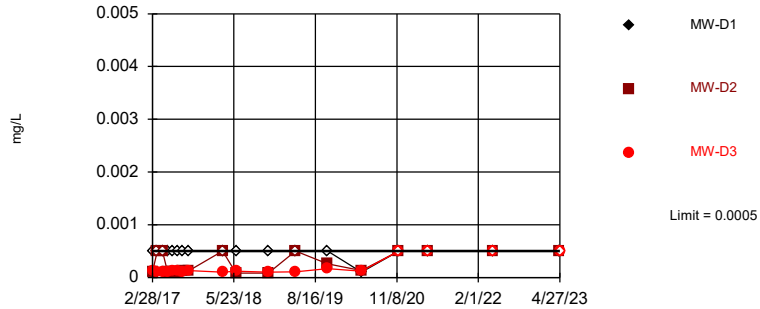
Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Most recent observation is compared with limit. Limit is highest of 18 background values. 61.11% NDs. 77.54% coverage at alpha=0.01; 84.57% coverage at alpha=0.05; 96.29% coverage at alpha=0.5. Report alpha = 0.3972.

Constituent: Selenium Analysis Run 12/9/2023 3:27 PM

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

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. 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: Thallium Analysis Run 12/9/2023 3:27 PM

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

Tolerance Limit

Constituent: Molybdenum (mg/L) Analysis Run 12/9/2023 3:28 PM

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

	MW-D1	MW-U1 (bg)	MW-D2	MW-D3
2/28/2017	<0.01	<0.01	0.0012 (J)	0.0088 (J)
3/27/2017	<0.01	<0.01	<0.01	0.0023 (J)
4/24/2017	<0.01	<0.01	<0.01	0.0018 (J)
5/22/2017	<0.01	<0.01	0.0025 (J)	0.0031 (J)
6/19/2017	<0.01	<0.01	0.0016 (J)	0.0043 (J)
7/17/2017	<0.01	<0.01	<0.01	0.0027 (J)
8/14/2017	<0.01	<0.01	<0.01	0.0017 (J)
9/13/2017	<0.01	<0.01	<0.01	0.0021 (J)
3/22/2018	<0.015	<0.003	<0.015	0.0022 (J)
6/5/2018	<0.01	<0.01	<0.01	0.0022 (J)
11/29/2018	<0.01	<0.01	<0.01	<0.01
4/29/2019	<0.01	<0.01	<0.01	<0.01
4/27/2020	<0.002 (^)	<0.002 (^)	<0.002 (^)	0.0019 (J)
11/19/2020	<0.01 (^)	<0.01	<0.01	<0.01
4/26/2021	<0.01	<0.01	<0.01	<0.01
4/26/2022	<0.01	<0.01	<0.01	0.003 (J)
10/19/2022		<0.02		
10/20/2022	<0.02		<0.02	0.0032 (J)
1/18/2023		<0.01		
4/26/2023	<0.01	<0.01	<0.01	
4/27/2023				0.0052 (J)
10/17/2023	<0.01	0.0011 (J)	<0.01	0.0054 (J)

Tolerance Limit

Constituent: Selenium (mg/L) Analysis Run 12/9/2023 3:28 PM

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

	MW-D1	MW-U1 (bg)	MW-D2	MW-D3
2/28/2017	<0.0013	<0.0013	<0.0013	0.0028
3/27/2017	<0.0013	<0.0013	<0.0013	<0.0013
4/24/2017	<0.0013	<0.0013	<0.0013	<0.0013
5/22/2017	<0.0013	0.00076 (J)	0.001 (J)	0.00037 (J)
6/19/2017	<0.0013	0.00062 (JB)	0.00059 (JB)	0.001 (JB)
7/17/2017	0.00033 (J)	0.0007 (J)	0.00033 (J)	<0.0013
8/14/2017	<0.0013	0.00058 (J)	<0.0013	<0.0013
9/13/2017	<0.0013	0.00041 (J)	<0.0013	<0.0013
3/22/2018	<0.0013	0.00039	<0.0013	<0.00025
11/29/2018	<0.0013	<0.0013	<0.0013	<0.0013
4/29/2019	<0.0013	<0.0013	<0.0013	<0.0013
4/27/2020	<0.00025	0.00061	<0.00025	0.00021 (J)
11/19/2020	<0.0013	<0.0013	<0.0013	<0.0013
4/26/2021	<0.0013	<0.0013	<0.0013	<0.0013
4/26/2022	<0.0013	<0.0013	<0.0013	<0.0013
1/18/2023		<0.0013		
4/26/2023	0.00083 (J)	<0.0013	<0.0013	
4/27/2023				0.0015
10/17/2023	0.0014	<0.0013	0.0026	0.0026

Tolerance Limit

Constituent: Thallium (mg/L) Analysis Run 12/9/2023 3:28 PM

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

	MW-D1	MW-U1 (bg)	MW-D2	MW-D3
2/28/2017	<0.0005	<0.0005	0.00011 (J)	0.00013 (J)
3/27/2017	<0.0005	<0.0005	<0.0005	0.00011 (J)
4/24/2017	<0.0005	<0.0005	<0.0005	9.5E-05 (J)
5/22/2017	<0.0005	<0.0005	0.00011 (J)	0.00011 (J)
6/19/2017	<0.0005	<0.0005	0.00011 (J)	0.00012 (J)
7/17/2017	<0.0005	<0.0005	0.00011 (J)	0.00012 (J)
8/14/2017	<0.0005	<0.0005	0.00013 (J)	0.00011 (J)
9/13/2017	<0.0005	<0.0005	0.00012 (J)	0.00013 (J)
3/22/2018	<0.0005	<0.0005	<0.0005	0.0001 (J)
6/5/2018	<0.0005	<0.0005	8.5E-05 (J)	0.00012 (J)
11/29/2018	<0.0005	<0.0005	8.5E-05 (J)	0.0001 (J)
4/29/2019	<0.0005	<0.0005	<0.0005	0.00011 (J)
10/23/2019	<0.0005	<0.0005	0.00026 (J)	0.00017 (J)
4/27/2020	<0.0001 (^)	<0.0001 (^)	0.00013	0.00012
11/19/2020	<0.0005	<0.0005	<0.0005	<0.0005
4/26/2021	<0.0005	<0.0005	<0.0005	<0.0005
4/26/2022	<0.0005	<0.0005	<0.0005	<0.0005
1/18/2023		<0.0005		
4/26/2023	<0.0005	<0.0005	<0.0005	
4/27/2023				<0.0005

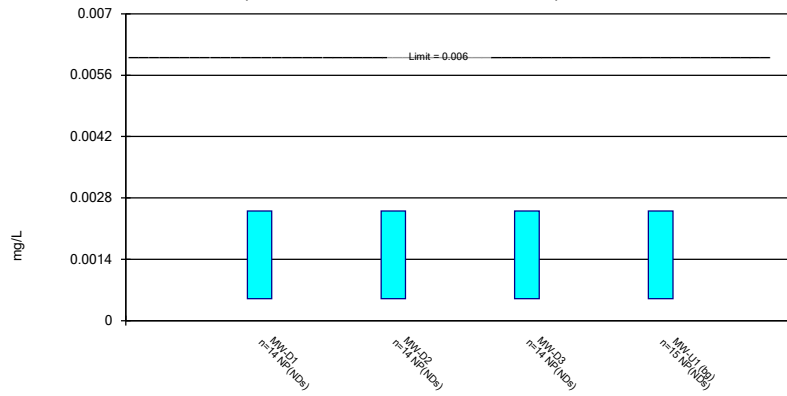
Confidence Interval

CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10 Printed 12/11/2023, 12:14 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	MW-D1	0.01739	0.01216	2	No	21	0	None	No	0.01	Param.
Barium (mg/L)	MW-D2	0.1572	0.1301	2	No	21	0	None	No	0.01	Param.
Barium (mg/L)	MW-D3	0.1709	0.1023	2	No	21	0	None	No	0.01	Param.
Barium (mg/L)	MW-U1 (bg)	0.0026	0.0021	2	No	22	0	None	No	0.01	NP (normality)
Chromium (mg/L)	MW-D1	0.0034	0.0018	0.1	No	19	84.21	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-D2	0.0026	0.0012	0.1	No	19	84.21	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-D3	0.0029	0.0005	0.1	No	19	89.47	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-U1 (bg)	0.0022	0.0013	0.1	No	20	10	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-D1	0.0025	0.0016	0.006	No	19	94.74	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-D2	0.0025	0.001	0.006	No	19	89.47	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-D3	0.0017	0.00098	0.006	No	19	21.05	None	No	0.01	NP (Cohens/xfm)
Cobalt (mg/L)	MW-U1 (bg)	0.0025	0.0013	0.006	No	20	95	None	No	0.01	NP (NDs)
Combined Radium 226 + ...	MW-D1	1.071	0.3925	5	No	21	23.81	Cohen's	No	0.01	Param.
Combined Radium 226 + ...	MW-D2	0.721	0.3948	5	No	21	23.81	None	No	0.01	Param.
Combined Radium 226 + ...	MW-D3	0.7326	0.4381	5	No	21	28.57	None	No	0.01	Param.
Combined Radium 226 + ...	MW-U1 (bg)	0.614	0.131	5	No	21	28.57	None	No	0.01	NP (Cohens/xfm)
Fluoride (mg/L)	MW-D1	0.09871	0.06491	4	No	21	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-D2	0.061	0.05	4	No	21	14.29	None	No	0.01	NP (normality)
Fluoride (mg/L)	MW-D3	0.13	0.11	4	No	21	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	MW-U1 (bg)	0.07158	0.05258	4	No	22	13.64	None	x^(1/3)	0.01	Param.
Lithium (mg/L)	MW-D1	0.005	0.0023	0.04	No	17	94.12	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-D2	0.0031	0.0011	0.04	No	17	88.24	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-D3	0.005	0.0024	0.04	No	17	82.35	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-U1 (bg)	0.0058	0.0005	0.04	No	18	88.89	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-D1	0.015	0.002	0.1	No	19	100	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-D2	0.015	0.0025	0.1	No	19	84.21	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-D3	0.0088	0.0021	0.1	No	19	21.05	None	No	0.01	NP (normality)
Molybdenum (mg/L)	MW-U1 (bg)	0.02	0.003	0.1	No	20	95	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-D1	0.0014	0.00083	0.05	No	17	82.35	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-D2	0.0026	0.001	0.05	No	17	76.47	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-D3	0.0015	0.001	0.05	No	17	64.71	None	No	0.01	NP (normality)
Selenium (mg/L)	MW-U1 (bg)	0.0013	0.00061	0.05	No	18	61.11	None	No	0.01	NP (normality)

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

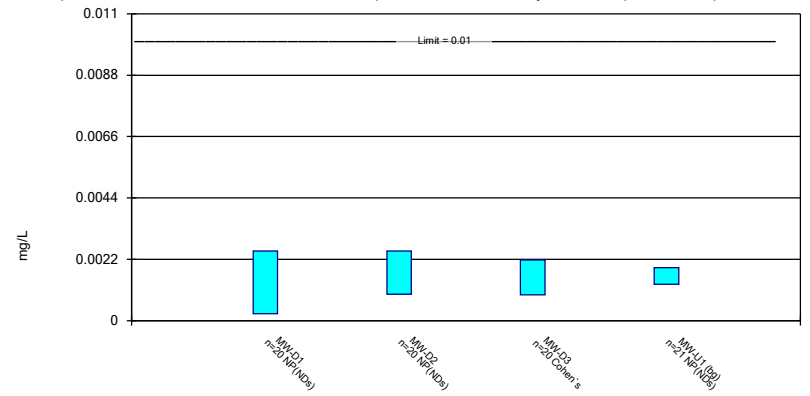


Constituent: Antimony Analysis Run 12/9/2023 3:29 PM

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

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

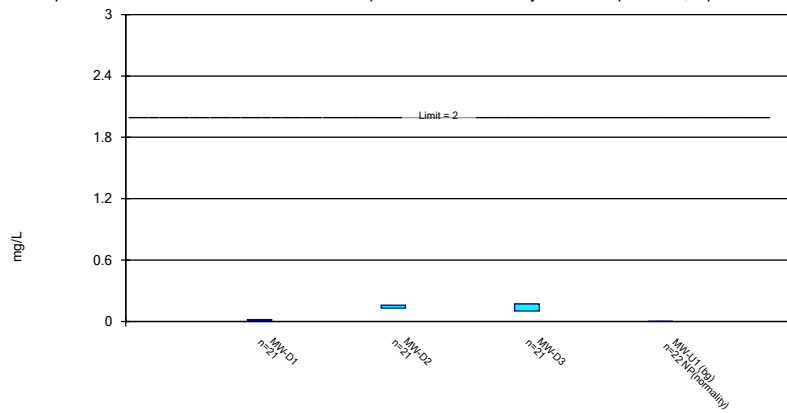


Constituent: Arsenic Analysis Run 12/9/2023 3:29 PM

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

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

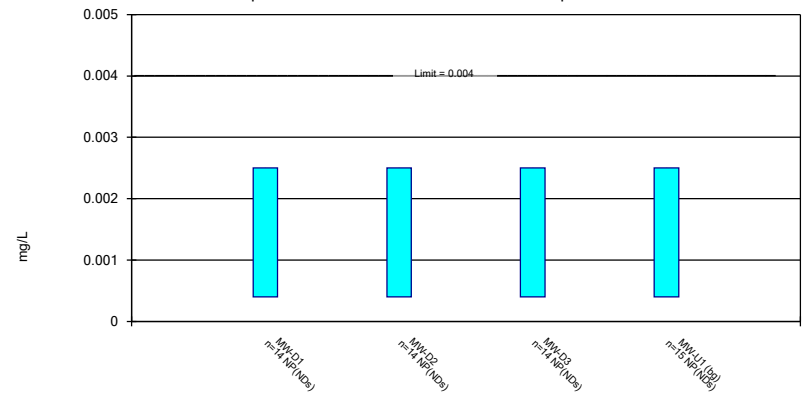


Constituent: Barium Analysis Run 12/9/2023 3:29 PM

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

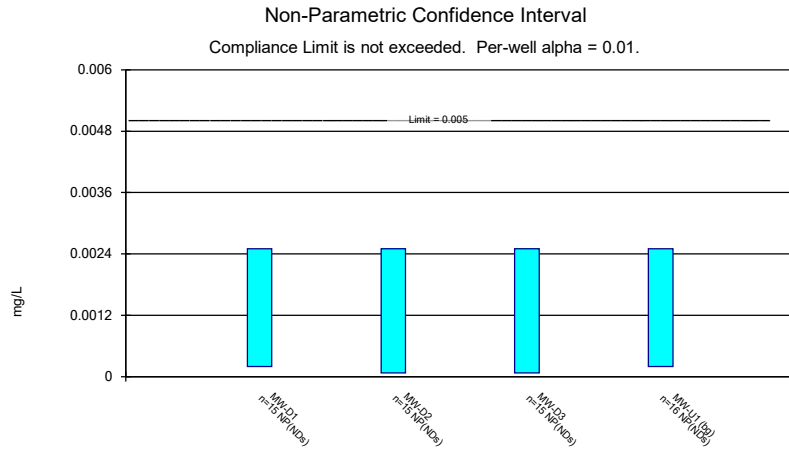
Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

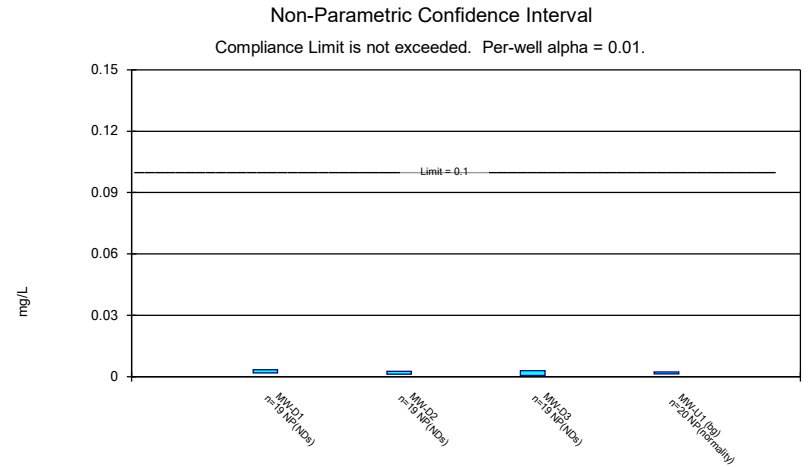


Constituent: Beryllium Analysis Run 12/9/2023 3:29 PM

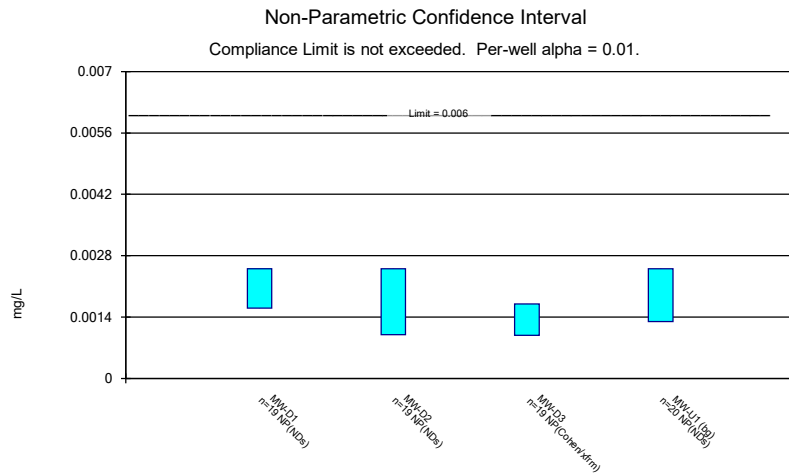
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10



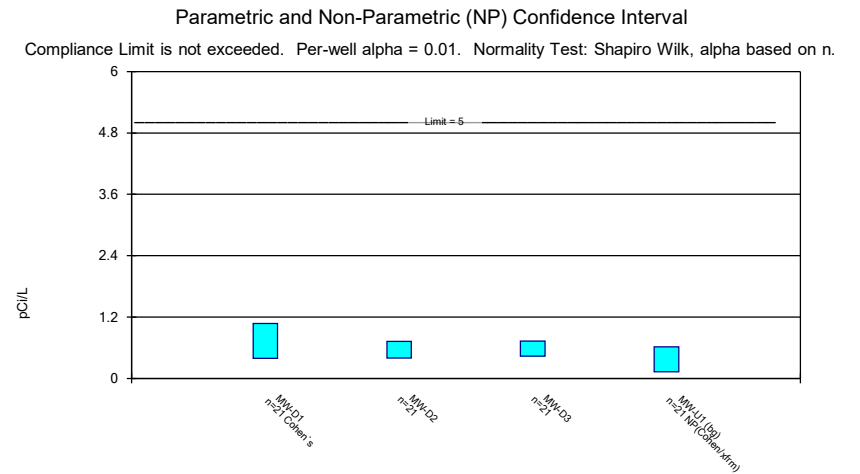
Constituent: Cadmium Analysis Run 12/9/2023 3:30 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10



Constituent: Chromium Analysis Run 12/9/2023 3:30 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10



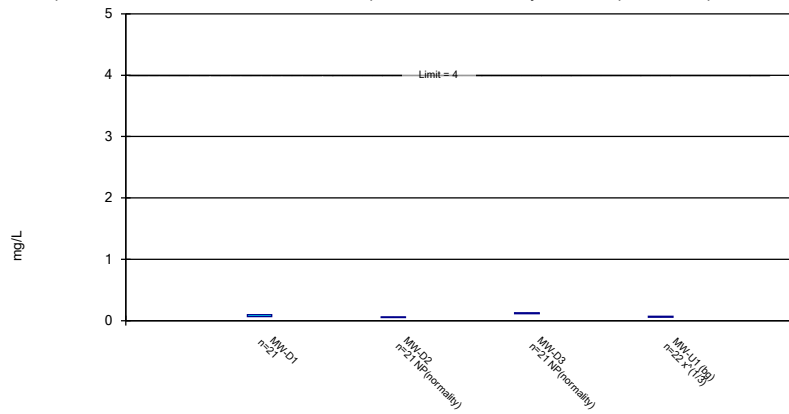
Constituent: Cobalt Analysis Run 12/9/2023 3:30 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10



Constituent: Combined Radium 226 + 228 Analysis Run 12/9/2023 3:30 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

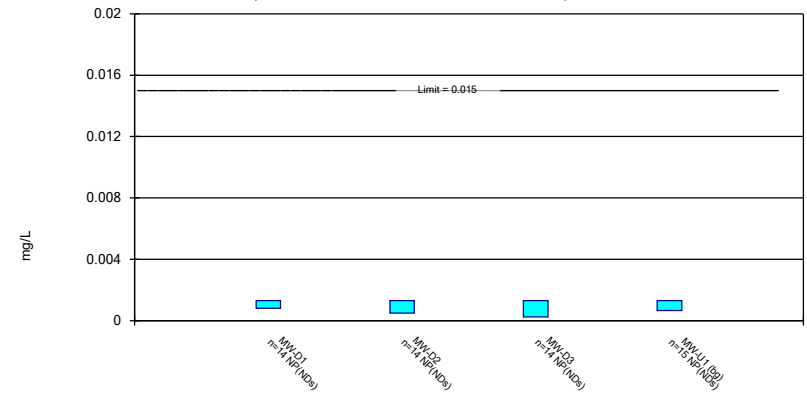


Constituent: Fluoride Analysis Run 12/9/2023 3:30 PM

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

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

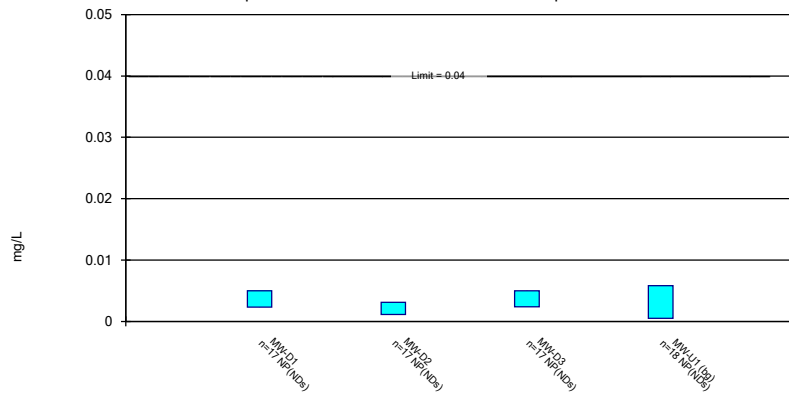


Constituent: Lead Analysis Run 12/9/2023 3:30 PM

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

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

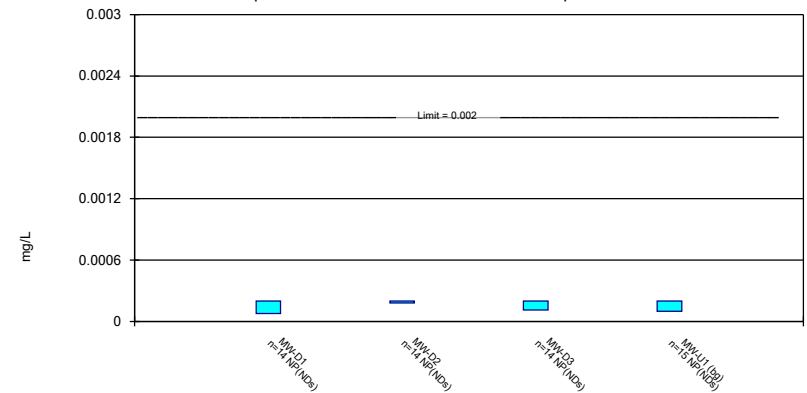


Constituent: Lithium Analysis Run 12/9/2023 3:30 PM

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

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

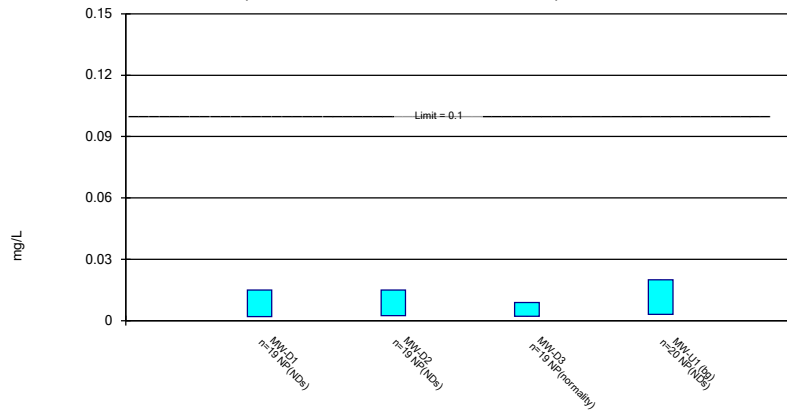


Constituent: Mercury Analysis Run 12/9/2023 3:30 PM

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

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

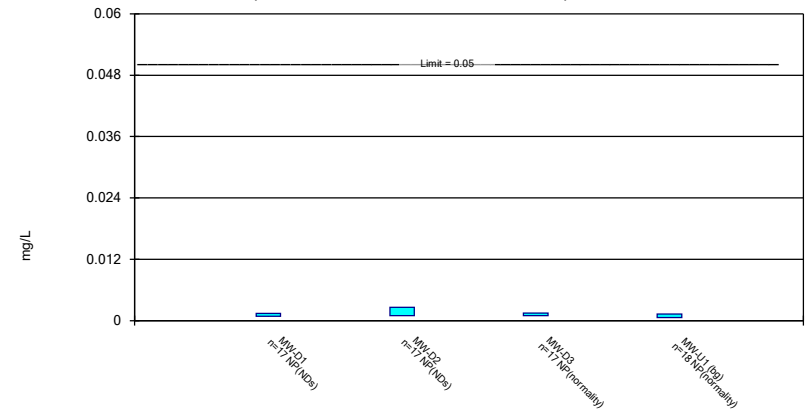


Constituent: Molybdenum Analysis Run 12/9/2023 3:30 PM

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

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

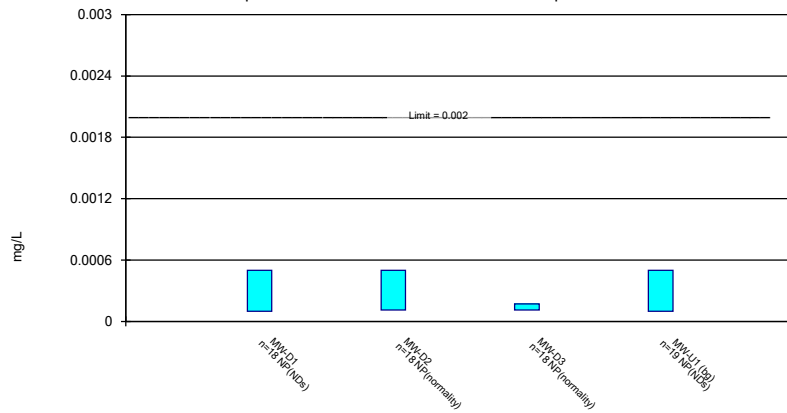


Constituent: Selenium Analysis Run 12/9/2023 3:30 PM

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

Non-Parametric Confidence Interval

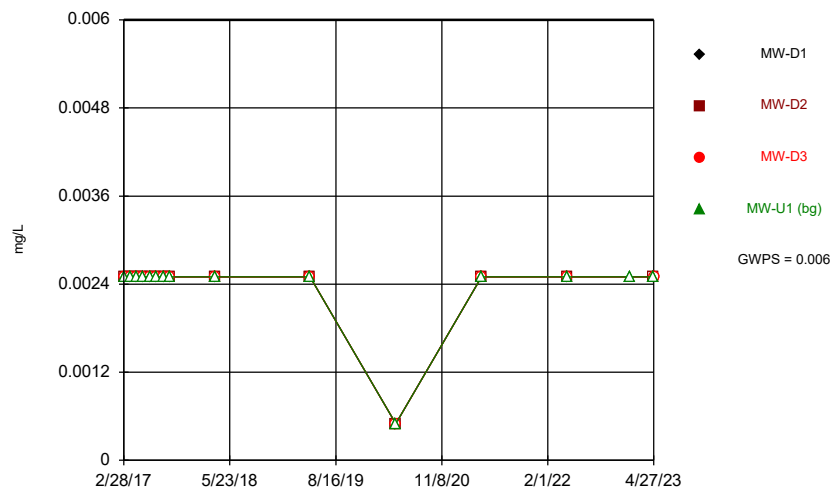
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Thallium Analysis Run 12/9/2023 3:30 PM

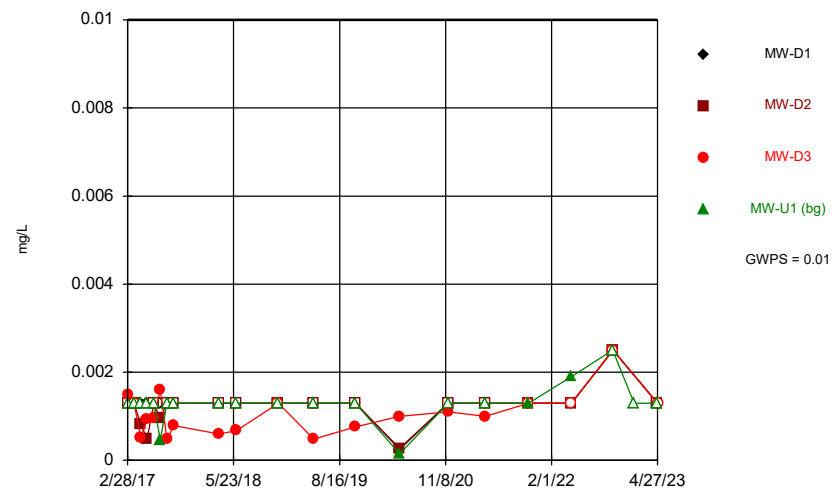
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



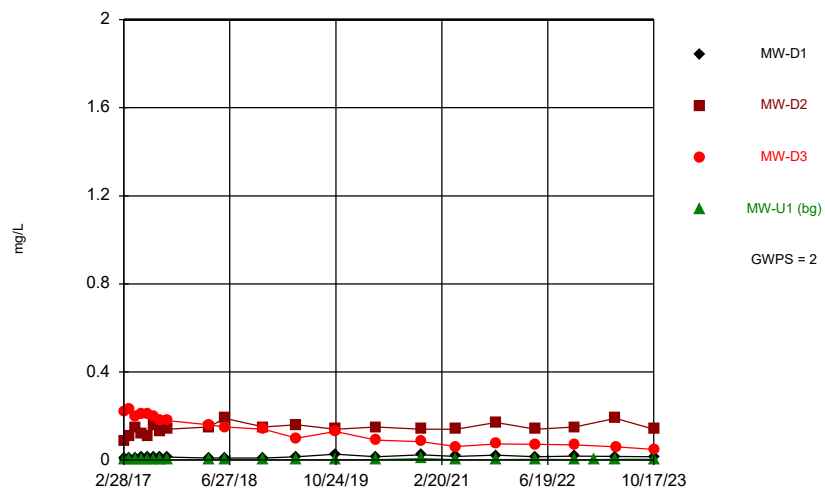
Constituent: Antimony Analysis Run 12/9/2023 3:31 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



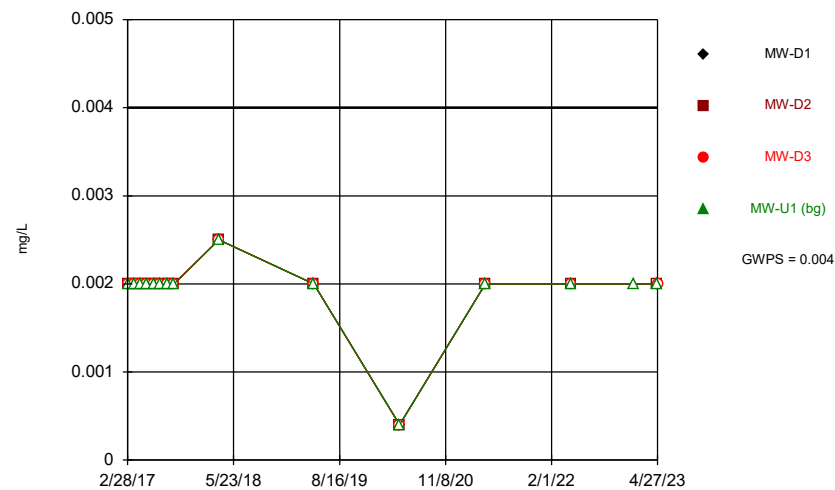
Constituent: Arsenic Analysis Run 12/9/2023 3:31 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



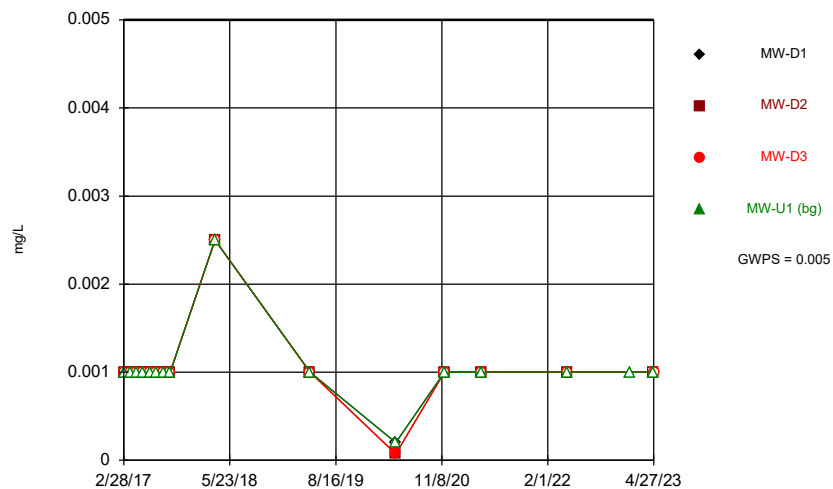
Constituent: Barium Analysis Run 12/9/2023 3:31 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



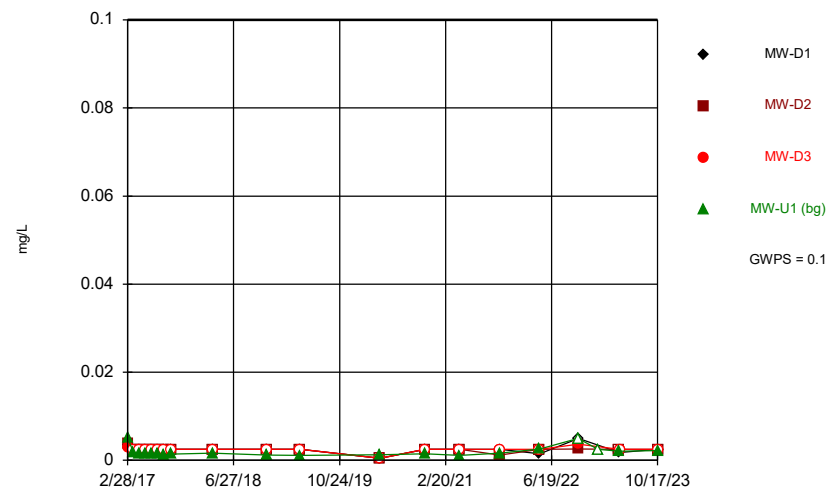
Constituent: Beryllium Analysis Run 12/9/2023 3:31 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



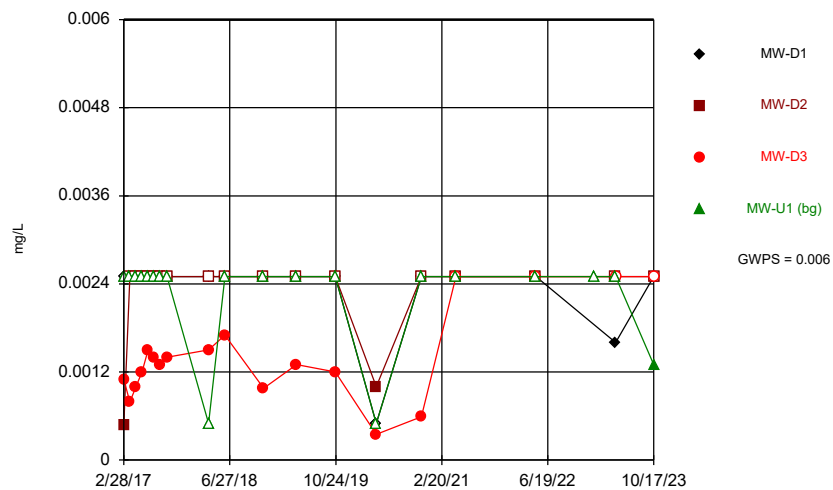
Constituent: Cadmium Analysis Run 12/9/2023 3:32 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



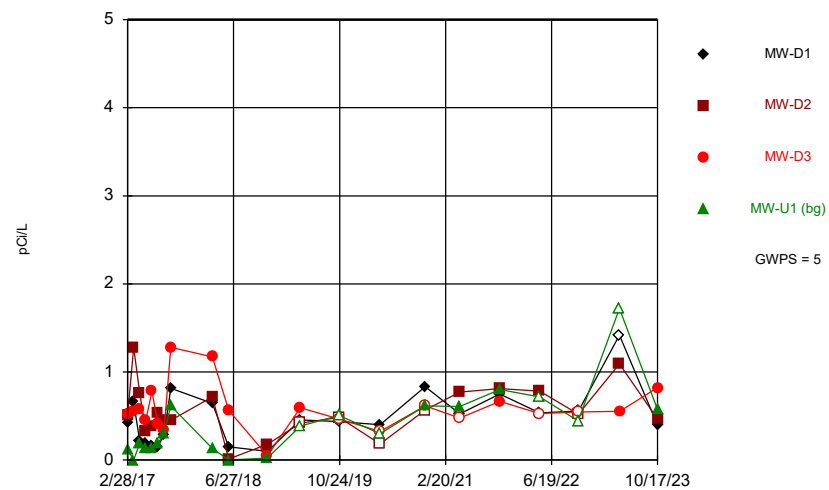
Constituent: Chromium Analysis Run 12/9/2023 3:32 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



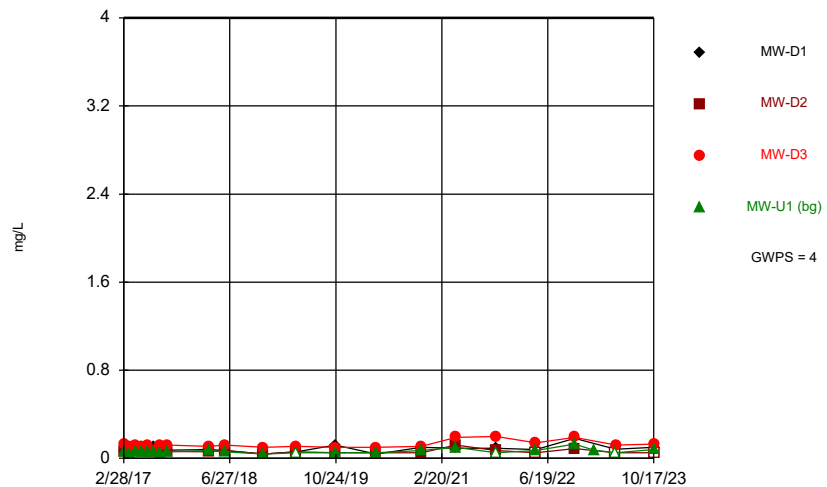
Constituent: Cobalt Analysis Run 12/9/2023 3:32 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



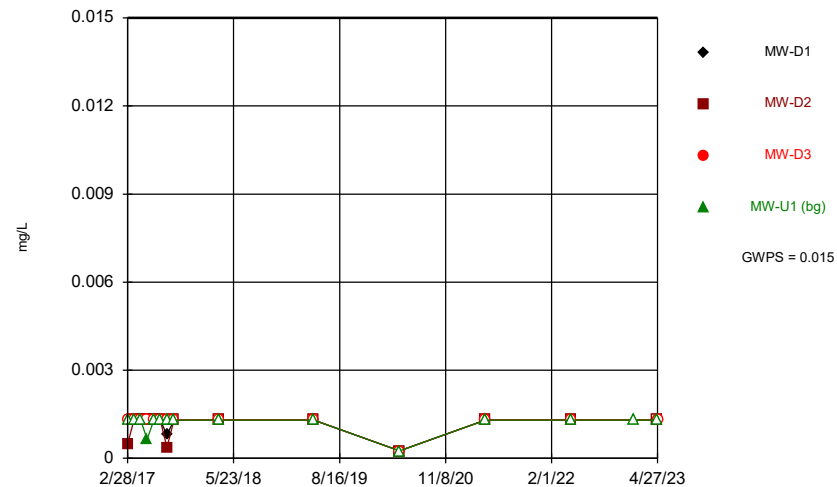
Constituent: Combined Radium 226 + 228 Analysis Run 12/9/2023 3:32 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



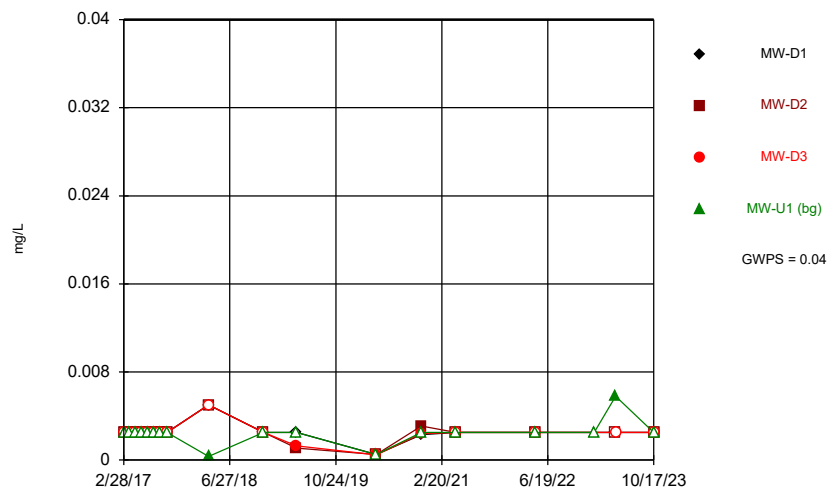
Constituent: Fluoride Analysis Run 12/9/2023 3:32 PM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



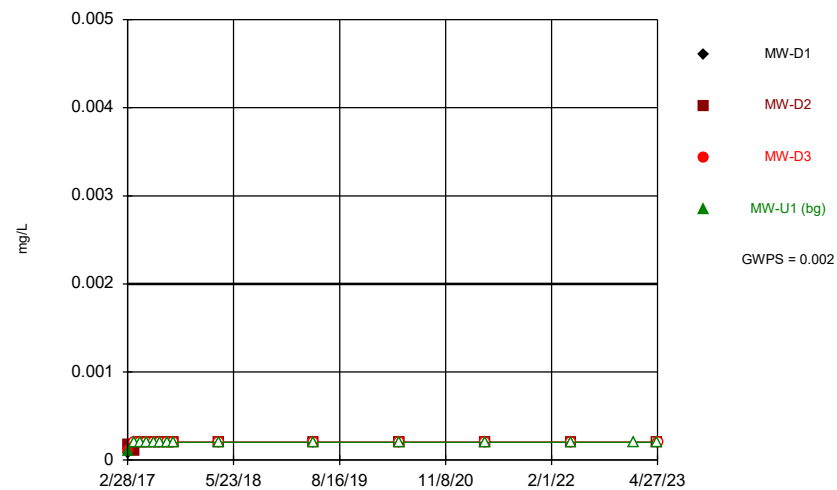
Constituent: Lead Analysis Run 12/9/2023 3:32 PM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



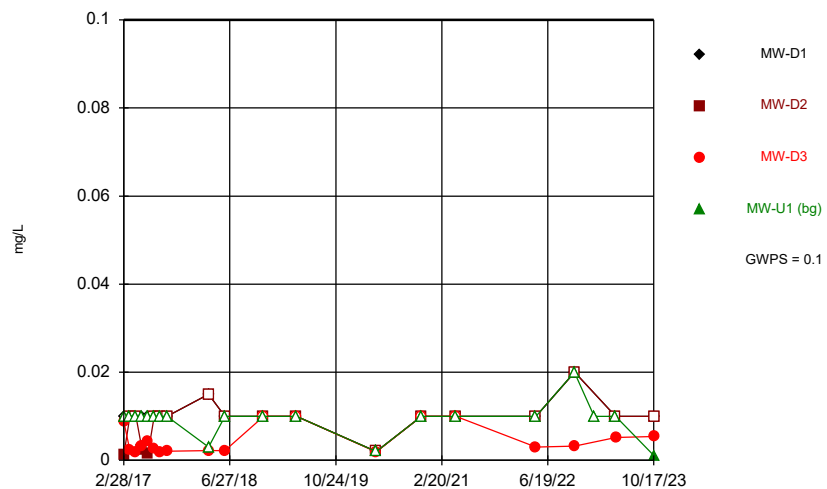
Constituent: Lithium Analysis Run 12/9/2023 3:32 PM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



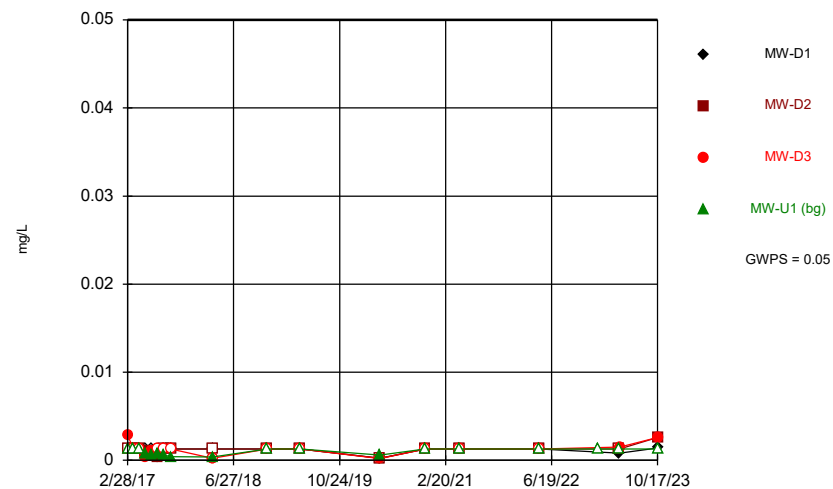
Constituent: Mercury Analysis Run 12/9/2023 3:32 PM
CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



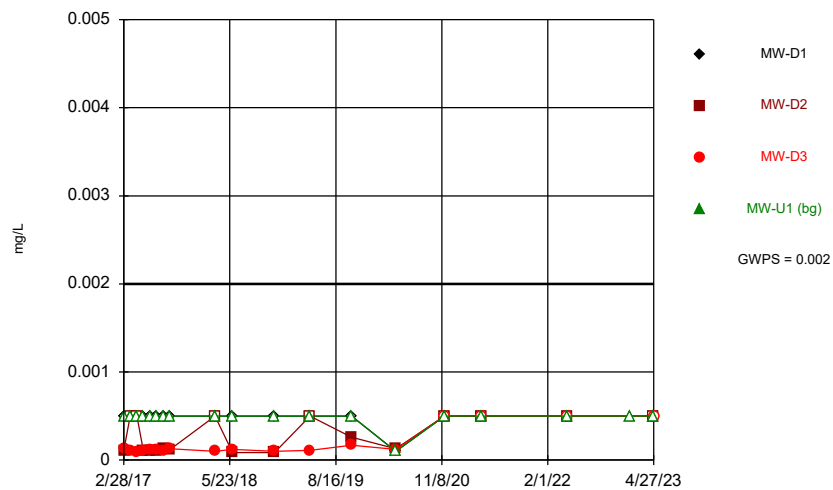
Constituent: Molybdenum Analysis Run 12/9/2023 3:32 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



Constituent: Selenium Analysis Run 12/9/2023 3:32 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10

Time Series



Constituent: Thallium Analysis Run 12/9/2023 3:32 PM
 CCPC Plant Crisp Ash Pond Site Client: Geosyntec Data: Sanitas_Statistics Sampling Events 1 through 10