2022 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT BOTTOM ASH POND CROSS GENERATING STATION

by Santee Cooper Moncks Corner, South Carolina

January 31, 2023 Amended: March 2, 2023

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1. Annual Groundwater Monitoring Report Summary

The South Carolina Public Service Authority (Santee Cooper) has prepared this 2022 Annual Groundwater Monitoring Corrective Action Report for the Bottom Ash Pond at the Cross Generating Station (CGS). This 2022 Annual Report was prepared to comply with the United States Environmental Protection Agency (EPA) Hazardous and Solid Waste Management System; Disposal of Coal Combustion Residuals (CCR) from Electric Utilities, Title 40 Code of Federal Regulations (CFR) Part 257, Subpart D dated April 17, 2015 (CCR Rule), specifically subsection § 257.90(e)(1) through (6).

In accordance with § 257.90(e)(6), an overview of the current status of groundwater monitoring and corrective action programs for the CCR unit is provided below:

At the start of the current annual reporting period (January 1, 2022), the CGS Bottom Ash Pond continued to operate under a corrective action monitoring program in accordance with § 257.98. Statistically significant levels (SSLs) of beryllium in monitoring wells CAP-1, CAP-5, and CAP-9; cobalt in monitoring wells CAP-1, CAP-3, CAP-5, CAP-7, and CAP-9; lithium in monitoring wells CAP-1 and CAP-9; and radium 226/228 in monitoring well CAP-5 were identified for the January/February 2022 sampling event. For the June 2022 sampling event, SSLs above the groundwater protection standard (GWPS) were identified for beryllium in monitoring wells CAP-1, and CAP-9; cobalt in monitoring wells CAP-1, CAP-3, CAP-5, CAP-7, and CAP-9; and lithium in monitoring well CAP-1.

Previously, an assessment of corrective measures was initiated on April 15, 2019, due to the presence of Appendix IV SSLs. The assessment of corrective measures report was completed on September 11, 2019. A public meeting was held on December 3, 2019, to discuss six remedial alternatives per § 257.96(e). All CCR and non-CCR wastewater inflows to the CGS Bottom Ash Pond ceased as of August 31, 2020. An addendum to the assessment corrective measures report was completed on September 30, 2020, to address radium which became an additional SSL in 2020. A remedy was selected pursuant to § 257.97 and the remedy selection report was completed on September 30, 2020. Remedial activities, specifically closure by removal, were initiated in 2020 and are ongoing.

At the end of the current annual reporting period (December 31, 2022), the Bottom Ash Pond remained in the corrective action groundwater monitoring program.

To report on the activities conducted during the prior calendar year and document progress complying with the CCR Rule, the specific requirements listed in § 257.90(e)(1) through (5) are provided in the next section in bold/italic type followed by a short narrative stating how that specific requirement was met.

2. 40 CFR § 257.90 Applicability

2.1 40 CFR § 257.90(a) and (c)

All CCR landfills, CCR surface impoundments, and lateral expansions of CCR units are subject to the groundwater monitoring and corrective action requirements under § 257.90 through § 257.98.

Once a groundwater monitoring system and groundwater monitoring program has been established at the CCR unit as required by this subpart, the owner or operator must conduct groundwater monitoring and, if necessary, corrective action through the active life and post-closure care period of the CCR unit.

The Bottom Ash Pond at CGS is an existing surface impoundment no longer receiving CCR and non-CCR inflows and undergoing closure. As such, it continues to be subject to the groundwater monitoring and corrective action requirements set forth by the EPA in 40 CFR § 257.90 through § 257.98. This document satisfies the requirement under § 257.90(e) which requires the CCR Unit Owner/Operator to prepare an Annual Groundwater Monitoring and Corrective Action Report.

2.2 40 CFR § 257.90(e) - SUMMARY

Annual groundwater monitoring and corrective action report. For existing CCR landfills and existing CCR surface impoundments, no later than January 31, 2018, and annually thereafter, the owner or operator must prepare an annual groundwater monitoring and corrective action report. [...] For the preceding calendar year, the annual report must document the status of the groundwater monitoring and corrective action program for the CCR unit, summarize key actions completed, describe any problems encountered, discuss actions to resolve the problems, and project key activities for the upcoming year. For purposes of this section, the owner or operator has prepared the annual report when the report is placed in the facility's operating record as required by § 257.105(h)(1).

This Annual Report documents the activities completed in 2022 for the CGS Bottom Ash Pond as required by the subject regulations. Groundwater sampling and analysis was conducted per the requirements of § 257.93, and the status of the groundwater monitoring program, set forth in § 257.98, is provided in this report.

2.2.1 Status of the Groundwater Monitoring and Corrective Action Program

In 2022, the corrective action groundwater monitoring program, initiated in 2020, continued, in accordance with § 257.98. Consistent with previous results, beryllium, cobalt, lithium, and radium continue to be the only Appendix IV constituents present in groundwater at SSLs above the GWPS.

In 2022, the CGS Bottom Ash Pond continued with closure activities by removal of CCR as outlined in the Remedy Selection Report dated September 30, 2020. The selected remedy for groundwater remediation is closure by removal (CBR) of CCR followed by monitored natural attenuation (MNA). The removed CCR is either beneficially used or transferred to an on-site landfill. The aggressive closure schedule is achievable because of Santee Cooper's successful beneficial use marketing program. This remedy eliminates the source through removal of CCR and any affected Bottom Ash Pond infrastructure, such as the liner and protective layer thereby meeting the source control requirement stated in the CCR Rule. Over time, removing the source material will allow concentrations of these constituents in downgradient groundwater to attenuate. Through the on-going beneficial use of reclaimed ponded bottom ash and gypsum, the amount of material that will need to be removed from the Pond had been greatly reduced prior to selecting the final groundwater remedy. This beneficial use program's success makes the option of CBR viable.

The other component of the selected remedy will be to address the presence of beryllium, cobalt, lithium, and radium-226/228 in the groundwater above the GWPSs. Groundwater remediation is being addressed through MNA, which is a viable remedial technology recognized by state and federal regulators applicable to inorganic compounds in groundwater. MNA occurs due to naturally occurring processes within the aquifer following source control or removal. MNA, in combination with source removal, is intended to reduce concentrations of beryllium, cobalt, lithium, and radium-226/228 in groundwater at the Bottom Ash Pond boundary, thereby attaining the groundwater protection standard and addressing limited and local CCR related impacts.

Further development of the corrective action groundwater monitoring program for MNA was completed by reevaluating the current CGS Groundwater Monitoring Plan (GMP) This evaluation concluded that the assessment monitoring protocol currently being implemented was sufficient to meet the needs of the corrective action groundwater monitoring program, which is consistent with § 257.98(a)(1)(i) and thus will continue to be implemented during the regularly scheduled semi-annual groundwater monitoring events. It is anticipated that the corrective action groundwater monitoring program will be reevaluated around the time that source removal is complete in 2025 to ensure ongoing adequacy and effectiveness of the MNA phase. In the interim, groundwater trends and other data evaluations will be monitored closely to document changing constituent concentrations.

To further define the Nature & Extent (N&E) investigation in this area, three shallow groundwater monitoring wells were added to the groundwater sampling network (CCMAP-5, CCMAP-6, and CCMAP-7) in December 2021 (well installation records provided in the 2021 Annual Report). The initial sampling was conducted in 2022. Cobalt was detected above the GWPS of 6 ug/L in CCMAP-6 (in February and confirmed in April 2022). Therefore, an additional N&E well, CCMAP-8, was installed between CCMAP-6 and the property boundary well, CCMAP-1. Well installation records are included in Appendix C. To date, cobalt and all other Appendix IV constituent concentrations remain below the groundwater protection standards in the property boundary wells at the nearby residential areas (CCMAP-1 and CCMAP-2).

2.2.2 Key Actions Completed

The following key actions were completed in 2022:

- Prepared 2021 Annual Report including:
 - The Annual Report was placed in the facility's operating record pursuant to § 257.105(h)(1);
 - Pursuant to § 257.106(h)(1), the notification was sent to the relevant State Director within 30 days of the Annual Report being placed in the facility's operating record [§ 257.106(d)];
 - Pursuant to § 257.107(h)(1), the Annual Report was posted to the CCR Website within 30 days of the Annual Report being placed in the facility's operating record [§ 257.107(d)];
- Collected and analyzed three rounds of groundwater monitoring (January/February, June, and October/November) in accordance with § 257.95(b) and § 257.95(d)(1) and recorded the concentrations in the facility's operating record as required by § 257.95(d)(1) (which is also consistent with § 257.98(a)(1)). Groundwater monitoring results are summarized in Table 1 and laboratory analytical results are provided in Appendix B.
- Completed statistical evaluations associated with the January/February and June sampling events to determine statistically significant exceedance of GWPS for Appendix IV in accordance with § 257.93(h)(2). Statistical results are summarized in Appendix A.
- Conducted initial sampling of additional groundwater monitoring wells (CCMAP-5, CCMAP-6, and CCMAP-7) which were installed by a South Carolina Certified Well Driller in December 2021, to further characterize the nature and extent of Appendix IV constituents in groundwater. These supplemental downgradient wells will also be used to validate and refine the groundwater flow and solute transport model to predict the downgradient extent of the plume on an as-needed basis. Preliminary modeling results indicate the plume is not anticipated to extend to the property boundary, at any time in the future.
- Installed additional groundwater monitoring well CCMAP-8 in September 2022 and conducted initial sampling in October/November 2022.

- Continued implementing the semiannual Corrective Action Groundwater Monitoring Program (MNA Sampling Protocol) consistent with § 257.98(a)(1) by gathering baseline geochemical data, including analyzing cations and anions, for long term performance monitoring of the remedy.
- Improved the potentiometric surface characterization of the uppermost aquifer given dynamic site conditions (including on-going dewatering and CBR activities, which could impact groundwater flow direction) by:
 - Revised the groundwater elevation measurement procedure by collecting site-wide synoptic rounds of water levels within a 48-hour period prior to initiating semi-annual sampling of the groundwater monitoring wells. Groundwater elevation measurements continued to be collected in each well immediately prior to collecting the sample.
 - A South Carolina Certified Well Driller installed piezometers CGSPZ-1, CGSPZ-2, and CGSPZ-3 in November 2022, to improve the elevation dataset to the south of the CGS Bottom Ash Pond. Well installation records are provided in Appendix C.
 - Surveyed the water surface elevations of unlined ponds at approximately the same time
 as the semi-annual monitoring events. Unlined ponds are sources of hydraulic head and
 groundwater recharge; therefore, it is appropriate to include pond surface water
 elevations in the potentiometric interpretation of the uppermost aquifer.
- Evaluated turbidity trends in sitewide wells and identified wells to be redeveloped by a certified
 well driller to remove buildup of sediment fines on the well screens. Well redevelopment was
 completed in November 2022. Success of redevelopment will be monitored during 2023 sampling
 events.
- Maintained a reduced hydraulic head by on-going dewatering of the CGS Bottom Ash Pond for CBR activities throughout 2022.
- Updated the CGS GMP in December 2022 by making general revisions and improvements to reflect additional monitoring wells and locations and also hydrogeology changes due to site construction and impoundment closures.
- Documented the process used for the 2021 update to the CGS Bottom Ash Pond flow and fate
 and transport groundwater model which was done to re-calibrate the model to existing site
 conditions and examine the fate and transport characteristics of beryllium, cobalt, and lithium in
 groundwater. Summarized key results from the model update and outlined high level next steps
 for further modeling and MNA evaluations upon completion of CBR.

2.2.3 Problems Encountered

There were multiple laboratory issues encountered in 2022 which contributed to longer than average turnaround time to receive analytical results and variability with the lowest achievable reporting limits. Santee Cooper's internal laboratory, Analytical Services, is certified by the state of South Carolina to run most of the analyses on Appendix III and Appendix IV constituents for groundwater except for mercury and radium 226/228. However, the lab's inductively coupled plasma-mass spectrophotometer (ICP-MS) that analyzes the Appendix IV metals was broken and irreparable at the beginning of 2022. A new ICP-MS was ordered and delivered in April 2022 but was non-operational upon delivery. For the January sampling event, the samples were held at the Analytical Services' lab while repairs were attempted on the instrument. In the meantime, Analytical Services began to analyze the samples on the inductively coupled plasma – optical emission spectroscopy (ICP-OES) but was unable to achieve the appropriate reporting limits because it ran a different analytical method (EPA SW-846 6010D instead of 6020B). When initial repairs were unsuccessful on the ICP-MS, the samples were sent to a third-party laboratory certified by the state of South Carolina (Eurofins Savannah), approximately two and a half months after sample collection. Eurofins Savannah returned the analytical results approximately two weeks after receipt. Upon receipt and review of the analytical results for the January/February sampling event, the non-detect reporting limits for background monitoring well PM-1 (Sample ID #AF24801) were greater than the GWPS for beryllium and thallium. At the time these results were received and validated (May 2022), there was no remaining sample volume for PM-1. Additionally, too much time had passed for a confirmatory resample to be of value. Given the historical data for PM-1 and the fact that the other analytes were below the GWPS for the January and June 2022, it was concluded these non-detect values for beryllium and thallium did not represent an exceedance of the GWPS, but additional sampling was warranted so a third sample collection took place in October/November 2022.

For the June sampling event, the samples were again held at the Analytical Services while ongoing repairs were attempted on the ICP-MS, which were ultimately unsuccessful. After approximately six weeks, Analytical Services sent the samples to a third-party lab that is certified by the state of South Carolina to analyze Appendix IV metals (Rogers & Callcott) because they had a quicker turnaround time than Eurofins Savannah. Rogers & Callcott was unable to meet the required reporting limit for antimony. The remaining sample volumes were returned to Santee Cooper. Upon receipt, Analytical Services sent the samples to Eurofins Savannah. The lowest achievable reporting limits are variable due to utilizing different laboratories, however all non-detect reporting limits were below the required GWPS for the June samples.

2.2.4 Actions to Resolve Problems

Santee Cooper's new ICP-MS instrument that was never operational was returned to the vendor in November 2022. A new ICP-MS from a different vendor was purchased in November 2022. If the new instrument is not available for 2023 sampling events, then external laboratories that are able to reach required reporting limits will be used.

Given the non-detect reporting limit exceedances of GWPS and higher than historical reporting limits in the background well during the January/February 2022 sampling event, a third sampling event was conducted for the Bottom Ash Pond in October 2022. This third dataset ensured there were at least two datasets that met all required reporting limits for the 2022 calendar year. This will prevent inflating statistical background limits when the tolerance limits for PM-1 are updated in 2023 in accordance with Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance, March 2009 (Unified Guidance).

2.2.5 Project Key Activities for Upcoming Year

Key activities to be completed in 2023 include the following:

- Prepare the 2022 annual report; place it in the record as required by § 257.105(h)(1), notify the state [§ 257.106(d)]; and post to website [§ 257.107(d)].
- Conduct semi-annual groundwater monitoring consistent with § 257.98(a)(1) and § 257.95(d)(1) and in accordance with the CGS GMP.
- Complete a statistical evaluation of the October/November 2022 sampling event to determine statistically significant exceedance of GWPS for Appendix IV in accordance with § 257.93(h)(2).
- Conduct additional nature and extent activities, as necessary, including possible installation of additional monitoring well(s), in accordance with § 257.95(g)(1).
- Continue improving the potentiometric surface characterization of the uppermost aquifer given changing site conditions by:
 - Increasing the sitewide synoptic water level measurements from two (2) to four (4) times per year (on a quarterly basis and in conjunction with the semi-annual groundwater monitoring events).

- Continue collecting surface water elevations from unlined ponds, also on the same quarterly basis as the sitewide synoptic water level measurements.
- Maintain a reduced hydraulic head on the Bottom Ash Pond through dewatering activities to facilitate CBR.
- Continue implementation of the CBR phase of the selected remedy.

2.3 40 CFR § 257.90(e) - INFORMATION

At a minimum, the annual groundwater monitoring and corrective action report must contain the following information, to the extent available:

2.3.1 40 CFR § 257.90(e)(1)

A map, aerial image, or diagram showing the CCR unit and all background (or upgradient) and downgradient monitoring wells, to include the well identification numbers, that are part of the groundwater monitoring program for the CCR unit;

As required by § 257.90(e)(1), a map showing the locations of the CCR unit and associated upgradient and downgradient monitoring wells for the Bottom Ash Pond is presented as Figure 1.

2.3.2 40 CFR § 257.90(e)(2)

Identification of any monitoring wells that were installed or decommissioned during the preceding year, along with a narrative description of why those actions were taken;

A new nature & extent monitoring well, CCMAP-8, was installed between CCMAP-6 and property boundary well CCMAP-1. Monitoring well CCMAP-6 was installed in December 2021. The sample results indicated cobalt above the GWPS in both the initial sampling event in February 2022 and the confirmation event in April 2022. CCMAP-8 will serve to define the extent of the plume and to be a sentinel well before the property boundary.

Three piezometers, CGSPZ-1, CGSPZ-2, and CGSPZ-3 were installed in areas to the south of the Bottom Ash Pond in November 2022 by a South Carolina certified well driller. This will improve characterizing the groundwater potentiometric surface given current site conditions that could impact groundwater flow direction.

No monitoring wells were decommissioned in 2022.

2.3.3 40 CFR § 257.90(e)(3)

In addition to all the monitoring data obtained under § 257.90 through § 257.98, a summary including the number of groundwater samples that were collected for analysis for each background and downgradient well, the dates the samples were collected, and whether the sample was required by the detection monitoring or assessment monitoring programs;

In accordance with § 257.95(b) and § 257.95(d)(1), at least two independent samples from each background and downgradient monitoring well were collected and analyzed in 2022. A summary table including the sample names, dates of sample collection, reason for sample collection, and monitoring data obtained for the groundwater monitoring program for the Bottom Ash Pond is presented in Table 1 of this report. In addition, as required by § 257.95(d)(3), Table 1 includes the groundwater protection standards established under § 257.95(d)(2). Laboratory analytical data reports, along with field sampling forms, are provided in Appendix B to this report. A third sampling event was conducted in October/November 2022 for the reasons previously outlined. Although the results were returned from external laboratories and validated prior to December 31, 2022, the statistical evaluations were not complete in 2022. Results from

the corresponding statistical evaluations will be completed and included in the 2023 Annual Groundwater Monitoring and Corrective Action Report.

2.3.4 40 CFR § 257.90(e)(4)

A narrative discussion of any transition between monitoring programs (e.g., the date and circumstances for transitioning from detection monitoring to assessment monitoring in addition to identifying the constituent(s) detected at a statistically significant increase over background levels); and

The groundwater monitoring program remained in corrective action monitoring for the duration of 2022. A summary of the evolution of the monitoring programs is provided in this section.

As required by § 257.93(h) a statistical analysis of the Appendix III constituents was completed on January 15, 2018. Baseline analytical data collected from background monitoring wells CBW-1 and PM-1 were combined to develop Upper Tolerance Limits (UTLs). The UTLs for each Appendix III constituent were compared to the analytical results for the downgradient monitoring wells CAP-1, CAP-3, CAP-5, CAP-7, and CAP-9. Constituents with analytical results exceeding the UTLs were identified as SSIs over background for the respective Appendix III constituent. An evaluation of alternate sources was initiated and completed on April 13, 2018, as provided in § 257.94(e)(2). A source causing the SSI over background levels other than the CCR unit was not identified at that time and an Assessment Monitoring program was initiated on July 16, 2018.

As required by § 257.93(h)(2), the statistical evaluation of the detected Appendix IV constituents identified SSLs of Appendix IV constituents above GWPS. Therefore, per §257.95(g)(3), an assessment of corrective measures and nature and extent evaluation was initiated on April 15, 2019, to evaluate the horizontal and vertical nature and extent of the SSLs downgradient of the Bottom Ash Pond. The Corrective Measures Assessment (CMA) report considered the presence and distribution of beryllium, cobalt, and lithium in the uppermost aquifer, the configuration of the CGS Bottom Ash Pond, its operational history, hydrogeologic setting, and the results of the evaluation of the nature and extent that were available at the time of the CMA was created.

During the February 2020 sampling event radium was detected above the GWPS in monitoring well CAP-5. An addendum to the initial CMA report was prepared and placed in the operating record on September 30, 2020. This addendum reevaluated the proposed corrective measures alternatives to address the presence of radium. Radium will continue to be evaluated during subsequent semiannual sampling events. The Remedy Selection Report was prepared and placed in the operating record on September 30, 2020, which initiated the transition to a corrective action monitoring program.

The sample concentrations from the downgradient wells for each of the detected Appendix IV constituents from the monitoring events of 2022 were compared to their respective background UTLs and GWPS (Appendix A). A sample concentration greater than the GWPS was considered to represent an SSL. Based on previous compliance sampling events and statistical evaluations, interwell comparisons were utilized for all downgradient wells and constituents. Based on the statistical evaluation of the 2022 groundwater sampling events, SSLs above GWPS were identified at the CGS Bottom Ash Pond (beryllium, cobalt, lithium, and radium), consistent with previous findings.

Further development of the corrective action groundwater monitoring program was completed by reevaluating the current GMP. This evaluation concluded that the assessment monitoring protocol currently being implemented was sufficient at this time to meet the needs of the corrective action groundwater monitoring program and evaluate the performance of the selected remedy. Thus, it will

continue to be implemented during the regularly scheduled semi-annual groundwater monitoring events. This is consistent with \S 257.98(a)(1)(i). It is anticipated that the corrective action groundwater monitoring program will be reevaluated around the time that source removal is complete in 2025 to ensure ongoing adequacy and effectiveness of the MNA phase.

In 2022, consistent with previous results, beryllium, cobalt, lithium, and radium 226/228 are present in groundwater at SSLs above the GWPS in one or more downgradient wells. All other Appendix IV constituents continue to meet the GWPS. The CGS Bottom Ash Pond's Remedy Selection Report dated September 30, 2020, specified closure by removal of the CCR material followed by monitored natural attenuation of beryllium, cobalt, lithium, and radium 226/228 in groundwater. Groundwater modeling results predict concentrations of beryllium, cobalt, lithium, and radium 226/228 will decline after the CCR source removal is complete which is expected to occur in 2025. Excavation of the pond for CCR source removals have been on-going, reducing the volume of CCR material in the pond dramatically and creating dynamic site conditions. During closure activities, variability, including potential short-term increases in the concentrations of Appendix IV SSLs is possible due to changing site conditions, but these concentrations are expected to decrease once closure is complete. Of note in February 2022, lead was present slightly above the MCL in monitoring well CAP-9 but was not identified as an SSL when the GWPS was compared to the lower confidence limit (LCL) of the sample population. This slightly upward trend in lead in CAP-9 will continue to be assessed; however, it was below detection in June 2022. Performance of the selected remedy will continue to be monitored after subsequent semiannual sampling events and based on the results of the corresponding statistical evaluations.

2.3.5 40 CFR § 257.90(e)(5)

Other information required to be included in the annual report as specified in § 257.90 through § 257.98.

This Annual Report documents activities conducted to comply with Sections § 257.90 through § 257.98 of the Rule.

The potentiometric surface characterization of the uppermost aquifer was improved by collecting site-wide synoptic water levels, installing new piezometers (details in previous sections), and collecting water elevations in unlined ponds. The groundwater elevation measurement procedure was revised by collecting site-wide synoptic rounds of water levels within a 48-hour period prior to initiating semi-annual sampling of the groundwater monitoring wells. Groundwater elevation measurements continued to be collected in each well immediately prior to collecting the sample. Additionally, the water surface elevations of unlined ponds were surveyed at approximately the same time as the semi-annual monitoring events. Unlined ponds are sources of hydraulic head and groundwater recharge; therefore, it is appropriate to include pond surface water elevations in the potentiometric interpretation of the uppermost aquifer. Groundwater flow rate and direction are provided as Figures 2 and 3 for each sampling event as specified in § 257.93(c).

TABLES

TABLE 1 - Summary of Analytical Results Cross Generating Station Bottom Ash Pond Corrective Action Monitoring 2022

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COMPAT DESIGNATION 110, 222 M/NOC 102 267 S. 8 -6.66 -2.66 115 -2.6 -2.6 -2.66 -2.66 1.50 -6.60 1.50 -2.66 1.50 -2.6	5 20 2 2 5 6 200 215 267 6.1
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Table 2 Cross Generating Station

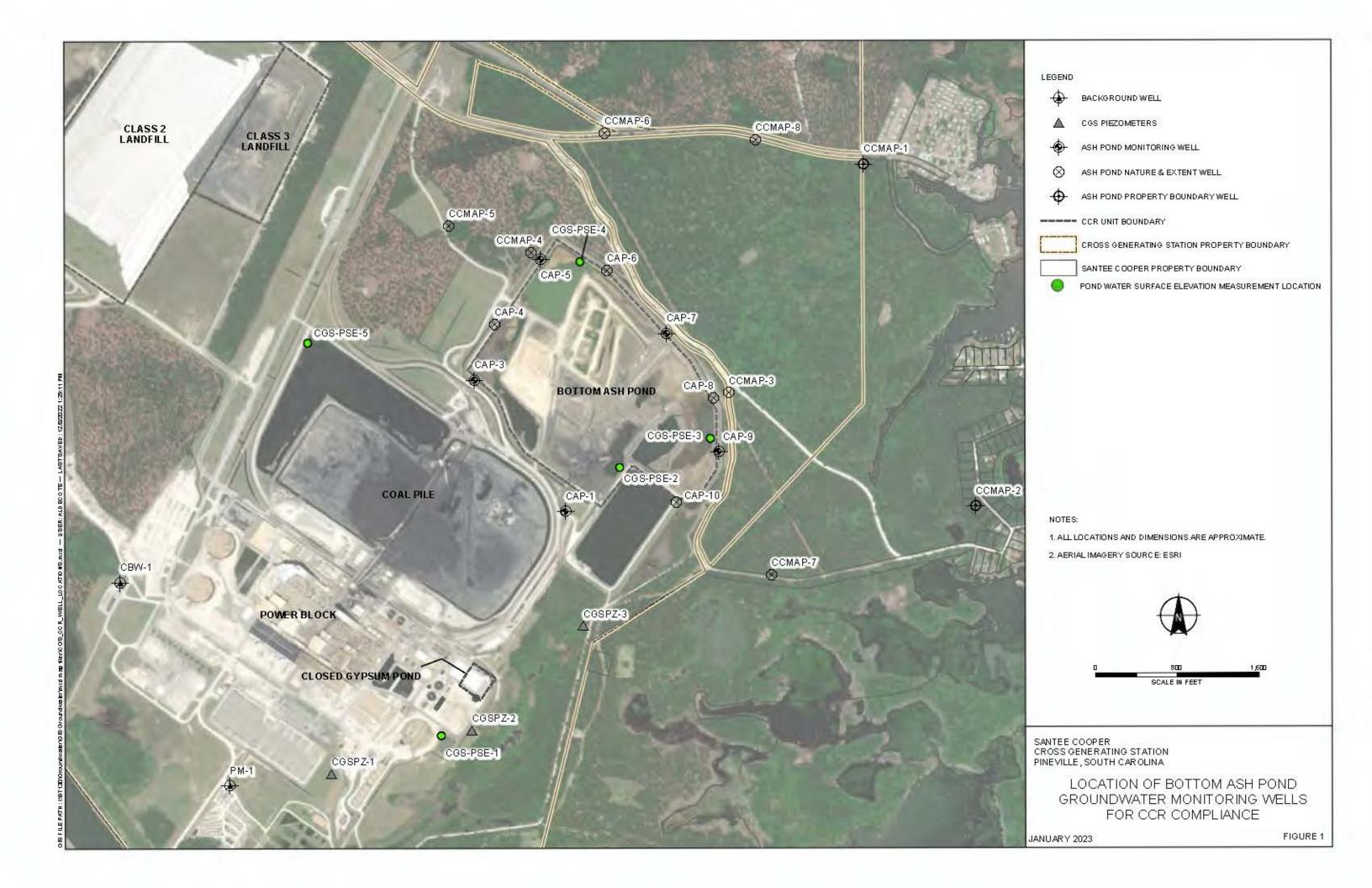
2022 Sympatic Mater Levels for Croundwater Menitoring Malls

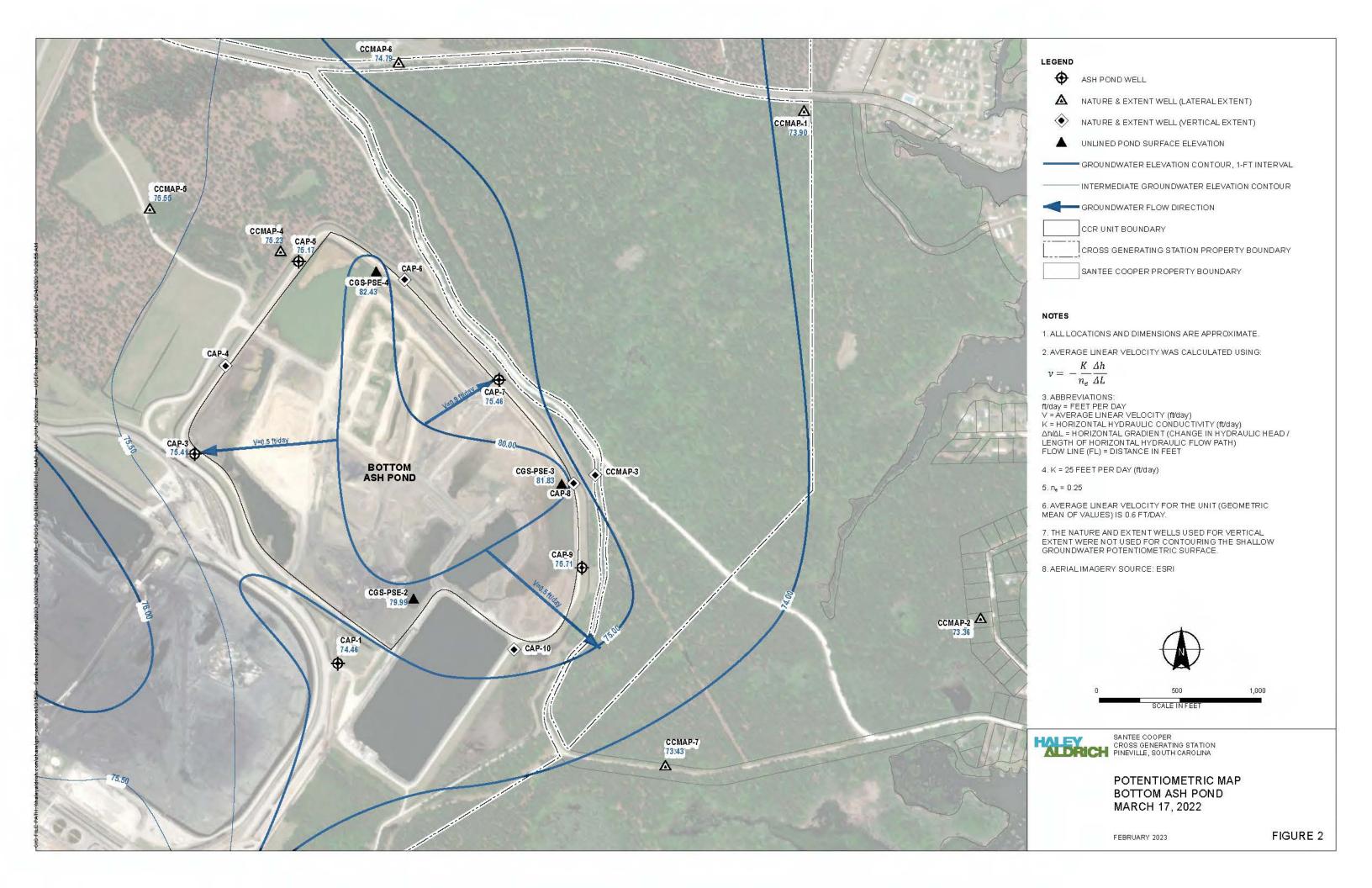
	1	1	st Event	2022	Synoptic Wat	er Levels for Grou	ndwater Monitor Event	ing Wells			3rd Event	
		Depth to	Top of Casing			Depth to	Top of Casing			Depth to	Top of Casing	
Well Name	Collection Date	Groundwater (ft btoc) ²	Elevation (ft msl) ²	GW Elevation (ft msl) ²	Collection Date	Groundwater (ft btoc) ²	Elevation (ft msl) ²	GW Elevation (ft msl) ²	Collection Date	Groundwater (ft btoc) ²	Elevation (ft msl) ²	GW Elevation (ft msl) ²
PM-1	3/17/2022	8.53	83.24	74.71	6/20/2022	9.00	83.24	74.24	10/24/2022	8.19	83.24	75.05
CBW-1	3/17/2022	10.44	85.80	75.36	6/20/2022	11.60	85.80	74.20	10/24/2022	9.89	85.80	75.91
CAP-1	3/17/2022	8.24	82.70	74.46	6/20/2022	7.56	82.70	75.14	10/24/2022	6.46	82.70	76.24
CAP-2 ¹	3/17/2022	16.39	91.85	75.46	6/20/2022	17.40	91.85	74.45	10/24/2022	15.72	91.85	76.13
CAP-3	3/17/2022	16.08	91.49	75.41	6/20/2022	17.19	91.49	74.30	10/24/2022	15.44	91.49	76.05
CAP-4	3/17/2022	16.57	91.77	75.20	6/20/2022	17.79	91.77	73.98	10/24/2022	15.94	91.77	75.83
CAP-5	3/17/2022	16.61	91.78	75.17	6/20/2022	18.11	91.78	73.67	10/24/2022	15.46	91.78	76.32
CAP-6	3/17/2022	16.91	91.82	74.91	6/20/2022	18.47	91.82	73.35	10/24/2022	15.94	91.82	75.88
CAP-7	3/17/2022	16.18	91.64	75.46	6/20/2022	17.97	91.64	73.67	10/24/2022	15.39	91.64	76.25
CAP-8	3/17/2022	17.44	91.61	74.17	6/20/2022	18.67	91.61	72.94	10/24/2022	16.91	91.61	74.70
CAP-9	3/17/2022	15.88	91.59	75.71	6/20/2022	18.60	91.59	72.99	10/24/2022	14.61	91.59	76.98
CAP-10	3/17/2022	21.61	95.68	74.07	6/20/2022	22.68	95.68	73.00	10/24/2022	21.29	95.68	74.39
CAP-11 ¹	3/17/2022	19.21	95.55	76.34	6/20/2022	20.54	95.55	75.01	10/24/2022	18.77	95.55	76.78
CAP-12 ¹	3/17/2022	23.33	98.33	75.00	6/20/2022	24.32	98.33	74.01	10/24/2022	23.01	98.33	75.32
CAP-13	3/17/2022	5.49	80.77	75.28	6/20/2022	8.25	80.77	72.52	10/24/2022	8.33	80.77	72.44
CAP-14 ¹	3/17/2022	5.15	80.77	75.62	6/20/2022	8.43	80.77	72.34	10/24/2022	5.27	80.77	75.50
CCMLF-1	3/17/2022	4.38	80.86	76.48	6/20/2022	8.58	80.86	72.28	10/24/2022	5.02	80.86	75.84
CCMLF-1D	3/17/2022	4.26	80.65	76.39	6/20/2022	8.42	80.65	72.23	10/24/2022	4.76	80.65	75.89
CCMLF-2	3/17/2022	8.20	84.08	75.88	6/20/2022	12.77	84.08	71.31	10/24/2022	8.67	84.08	75.41
POZ-3	3/17/2022	6.26	82.61	76.35	6/20/2022	8.70	82.61	73.91	10/24/2022	6.03	82.61	76.58
POZ-4	3/17/2022	6.30	82.73	76.43	6/20/2022	9.35	82.73	73.38	10/24/2022	6.11	82.73	76.62
POZ-5D ¹	3/17/2022	6.45	82.49	76.04	6/20/2022	9.53	82.49	72.96	10/24/2022	6.31	82.49	76.18
POZ-6	3/17/2022	7.41	83.84	76.43	6/20/2022	10.95	83.84	72.89	10/24/2022	7.55	83.84	76.29
POZ-7	3/17/2022	6.21	82.02	75.81	6/20/2022	7.94	82.02	74.08	10/24/2022	5.70	82.02	76.32
POZ-8	3/17/2022	7.05	83.13	76.08	6/20/2022	10.10	83.13	73.03	10/24/2022	6.90	83.13	76.23
CLF1B-1	3/17/2022	8.03	83.76	75.73	6/20/2022	9.34	83.76	74.42	10/24/2022	7.34	83.76	76.42
CLF1B-2	3/17/2022	6.33	82.04	75.71	6/20/2022	7.95	82.04	74.09	10/24/2022	5.79	82.04	76.25
CLF1B-3	3/17/2022	7.06	82.75	75.69	6/20/2022	8.92	82.75	73.83	10/24/2022	6.53	82.75	76.22
CLF1B-4	3/17/2022	7.01	82.74	75.73	6/20/2022	9.45	82.74	73.29	10/24/2022	6.57	82.74	76.17
CLF1B-5	3/17/2022	5.28	81.09	75.81	6/20/2022	8.17	81.09	72.92	10/24/2022	5.07	81.09	76.02
CLF1B-5D	3/17/2022	5.39	80.93	75.54	6/20/2022	8.51	80.93	72.42	10/24/2022	5.27	80.93	75.66
CCMAP-1	3/17/2022	6.31	80.21	73.90	6/20/2022	7.95	80.21	72.26	10/24/2022	5.64	80.21	74.57
CCMAP-2	3/17/2022	7.88	81.24	73.36	6/20/2022	8.40	81.24	72.84	10/24/2022	7.76	81.24	73.48
CCMAP-3	3/17/2022	7.74	81.91	74.17	6/20/2022	9.00	81.91	72.91	10/24/2022	7.24	81.91	74.67
CCMAP-4	3/17/2022	6.60	81.83	75.23	6/20/2022	8.12	81.83	73.71	10/24/2022	5.41	81.83	76.42
CCMAP-5	3/17/2022	8.16	83.71	75.55	6/20/2022	9.88	83.71	73.83	10/24/2022	7.29	83.71	76.42
CCMAP-6	3/17/2022	9.62	84.41	74.79	6/20/2022	12.20	84.41	72.21	10/24/2022	8.96	84.41	75.45
CCMAP-7	3/17/2022	8.14	81.57	73.43	6/20/2022	8.55	81.57	73.02	10/24/2022	8.01	81.57	73.56
CCMAP-8 ⁴	2/17/2022	17.02	01.90	74.97	6/20/2022	17.71	01.80	74.19	10/24/2022	7.38	82.89	75.51
CGYP-1	3/17/2022	17.02	91.89	74.87	6/20/2022	17.71	91.89	74.18	10/24/2022	16.68	91.89	75.21
CGYP-2	3/17/2022	10.88	84.88	74.00	6/20/2022	10.68	84.88	74.20	10/24/2022	9.46	84.88	75.42
CGYP-3	3/17/2022	8.56	83.95	75.39	6/20/2022	9.50	83.95	74.45	10/24/2022 10/24/2022	8.27	83.95	75.68
CGYP-4 CGYP-5 ³	3/17/2022	7.76	83.49	75.73	6/20/2022 6/20/2022	7.28	83.49	76.21		7.51	83.49	75.98
	2/17/2022	9 21	92.22	72.02	6/20/2022	7.94	84.12	76.18	10/24/2022	8.12 7.05	84.12	76.00
CGYP-6 CGYP-7 ⁴	3/17/2022	8.31	82.23	73.92	0/20/2022	8.88	82.23	73.35	10/24/2022 10/24/2022	7.95 10.03	82.23 85.37	74.28 75.34
PSE-1 ⁵	3/3/2022		-	75.00	6/20/2022	-	-		10/24/2022	-	85.37	74.86
PSE-1 ⁵	3/3/2022	-	12	75.00			-	74.63		-	-	
PSE-2 PSE-3 ⁵	3/3/2022	-	-	1	6/20/2022			81.52 81.47	10/24/2022 10/24/2022	-		82.34 83.11
PSE-4 ⁵	3/3/2022	-	-	81.83 82.43	6/20/2022 6/20/2022			81.47	10/24/2022	-	÷	83.35
PSE-5 ⁵	3/3/2022	-	-	76.77	6/20/2022	-	-	76.62	10/24/2022	-	-	76.37
PSE-6 ⁵	3/3/2022		-	74.54	6/20/2022	-	-	74.43	10/24/2022	-	-	74.56

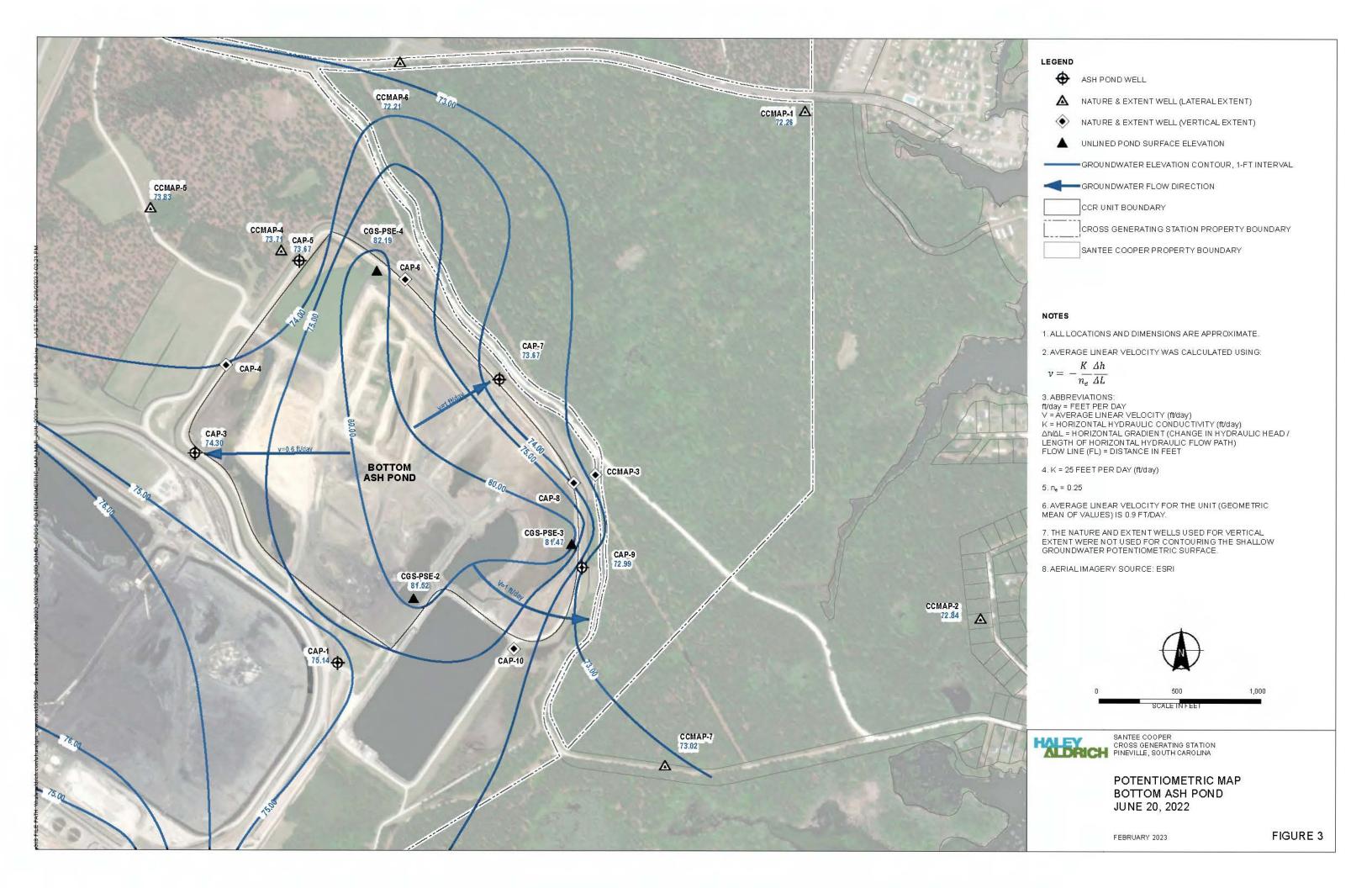
Notes:

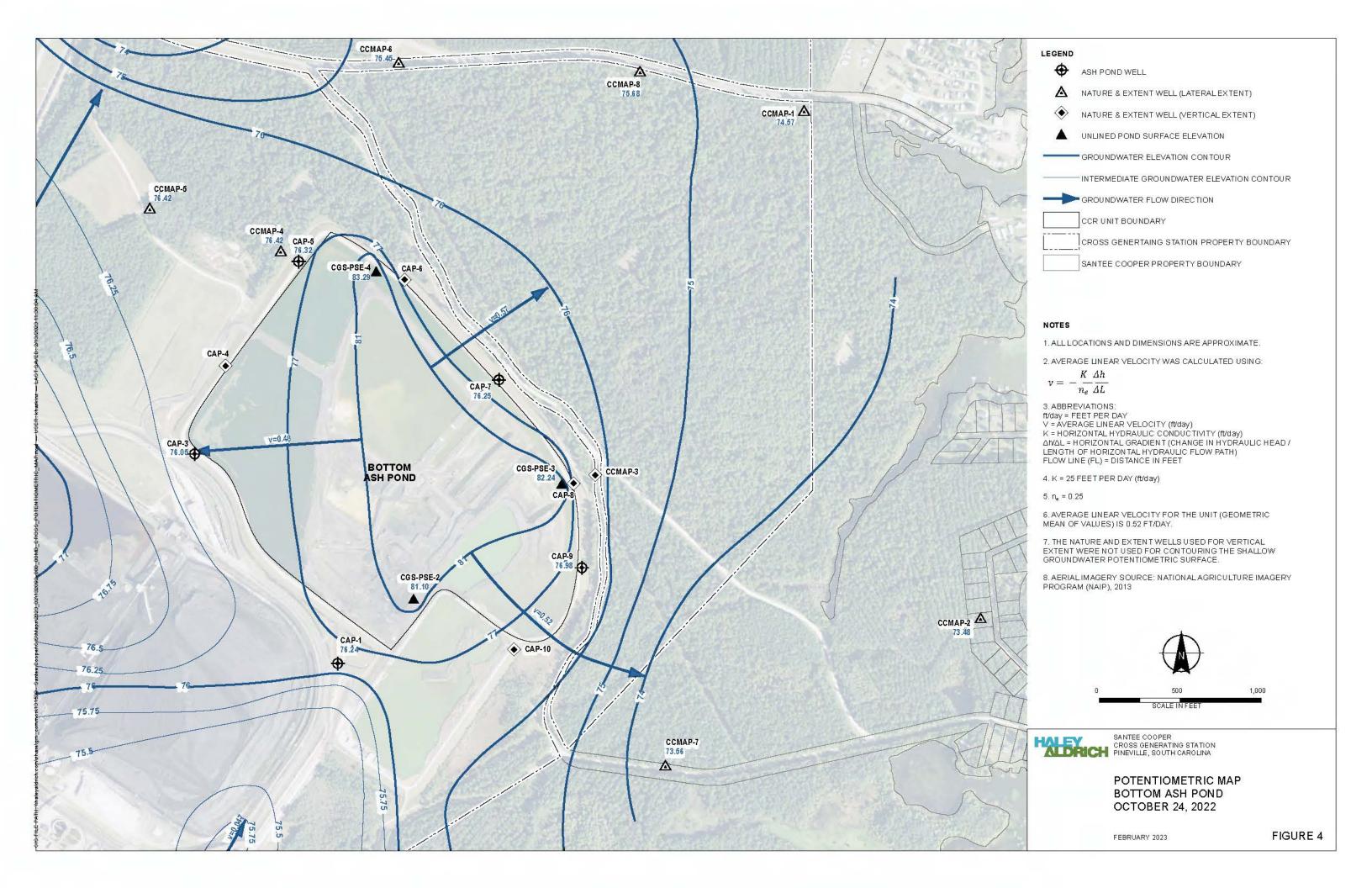
- 1. Additional groundwater monitoring wells used for development of potentiometric maps. These wells monitor groundwater constituent concentrations under the SC DHEC Industrial Wastewater Permit #SC0037401 and are not used for CCR constituent concentrations.
- 2. Depth to Groundwater is measured below the top of the casing (btoc) to the water surface. The Top of Casing Elevation and GW Elevation are shown relative to mean sea level (ms).
- 3. Per the 2021 CCR Annual Report, CGYP-5 was no longer sampled for CCR GW constituents. Beginning in June 2022, water level data was collected for potentiometric surface interpretation.
- 4. Wells were installed between the 2nd and 3rd events.
- 5. Pond surface elevations (PSE) were collected to aid in the potentiometric surface interpretation.

FIGURES









Appendix A – Statistical Analysis



HALEY & ALDRICH, INC. 400 Augusta Street Suite 100 Greenville, SC 29601 864.214.8750

TECHNICAL MEMORANDUM

July 8, 2022 File No. 132892-010

SUBJECT: Statistical Evaluation of the January 2022 Semi-annual Groundwater Assessment

Monitoring Data, Cross Generating Station, Bottom Ash Pond

The South Carolina Public Service Authority (Santee Cooper) has implemented the 17 April 2015 U.S. Environmental Protection Agency (U.S. EPA) Federal Coal Combustion Residuals (CCR) Rule (40 CFR § 257) for the Cross Generating Station, located in Berkeley County, South Carolina. Pursuant to § 257.93 and 257.95 (Rule), this memorandum summarizes the statistical evaluation of the analytical results for the January 2022 semi-annual groundwater assessment monitoring sampling event for the Cross Generating Station (CGS) Bottom Ash Pond. The statistical evaluation discussed in this memorandum was conducted to determine if Appendix IV groundwater monitoring constituents continue to be detected in downgradient wells at concentrations that represent a statistically significant level (SSL) above the Groundwater Protection Standard (GWPS) consistent with the requirements in 40 CFR § 257.95.

The data for the January 2022 groundwater sampling event were validated on May 12, 2022 by Santee Cooper and provided to Haley & Aldrich on May 26, 2022 for statistical analysis. The downgradient monitoring wells were compared to their respective GWPS established from the background dataset for the upgradient monitoring wells (PM-1 and CBW-1). GWPS for each of the Appendix IV constituents have been set equal to the highest value of the maximum contaminant level (MCL), regional screening level (RSL), or site background concentration. The results of the assessment monitoring statistical evaluation are discussed below and provided in Table I.

Statistical Evaluation of Appendix IV Constituents

The Rule provides four specific options for statistical evaluation of groundwater quality data collected at a CCR unit (§257.93(f) (1-4)). The statistical method used for these evaluations is tolerance limit (TL), which was certified by Haley & Aldrich, Inc. on October 14, 2017. The TL method, determined applicable for this sampling event, is used to evaluate potential SSLs above GWPS. GWPS for each constituent listed in Appendix IV were computed as upper tolerance limits (UTL), and a minimum 95 percent confidence coefficient and 95 percent coverage. The most recent groundwater sampling result from each compliance well was compared to the corresponding GWPS UTL to determine if an SSL existed.

STATISTICAL EVALUATION

An interwell statistical evaluation was used to identify SSLs. An interwell evaluation compares the most recent values from downgradient compliance wells to a background dataset composed of upgradient

South Carolina Public Service Authority (Santee Cooper) July 8, 2022 Page 2

well data. Because the CCR unit is in assessment monitoring, no statistical evaluations were conducted on Appendix III (detection monitoring) constituents.

The TL method was used to complete statistical evaluations of the referenced dataset. The TL procedure is one in which a concentration limit for each constituent is established from the distribution of the background data, with a minimum 95 percent confidence level. The upper endpoint of a tolerance limit is called the UTL. Depending on the data distribution, parametric or non-parametric TL procedures are used to evaluate groundwater monitoring data using this method. Parametric TLs utilize normally distributed data or data normalized via a transformation of the sample background data used to construct the limit. If the data are non-normal and a transformation is not indicated, non-parametric procedures (order statistics or bootstrap methods) are used to calculate the TL. If all the background data are non-detect, a maximum reporting limit may serve as an appropriate UTL.

These statistical evaluations were conducted using the background dataset for all detected Appendix IV constituents using TLs. If an Appendix IV constituent concentration from the semi-annual sampling event was above the GWPS, the lower confidence limit (LCL) for the downgradient well constituent was used to evaluate if an SSL was present. The LCL is the lower end of the confidence interval range, which is an estimated concentration range intended to contain the true mean or median of the population from which the sample is drawn. The confidence interval range is designed to locate the true population mean or median with a high degree of statistical confidence, or conversely, with a low probability of error.

The UTLs were calculated from the background well dataset using Chemstat software after testing for outlier sample results that would warrant removal from the dataset based on likely error in sampling or measurement. Both visual and statistical outlier tests for the background data were performed using Chemstat and U.S. Environmental Protection Agency's ProUCL 5.1 software, and a visual inspection of the data was performed using box plots and distribution plots for the downgradient sample data. No sample data were identified as outliers that warranted removal from the dataset.

BACKGROUND DISTRIBUTIONS

The groundwater analytical results for each sampling event from the background sample locations (PM-1 and CBW-1) were combined to calculate the UTL for each detected Appendix IV constituent. The variability and distribution of the pooled dataset was evaluated to determine the method for UTL calculation. Per the document *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance, March 2009 (Unified Guidance),* interwell background limits are updated once every two years when there are a minimum of four new valid data points collected. Reporting limits for some constituents at PM-1 were elevated compared to historical data in the January 2022 sampling event dataset. Therefore, the update to the background concentrations will be completed in March 2023 after the January 2023 sampling event, in accordance with the Unified Guidance.



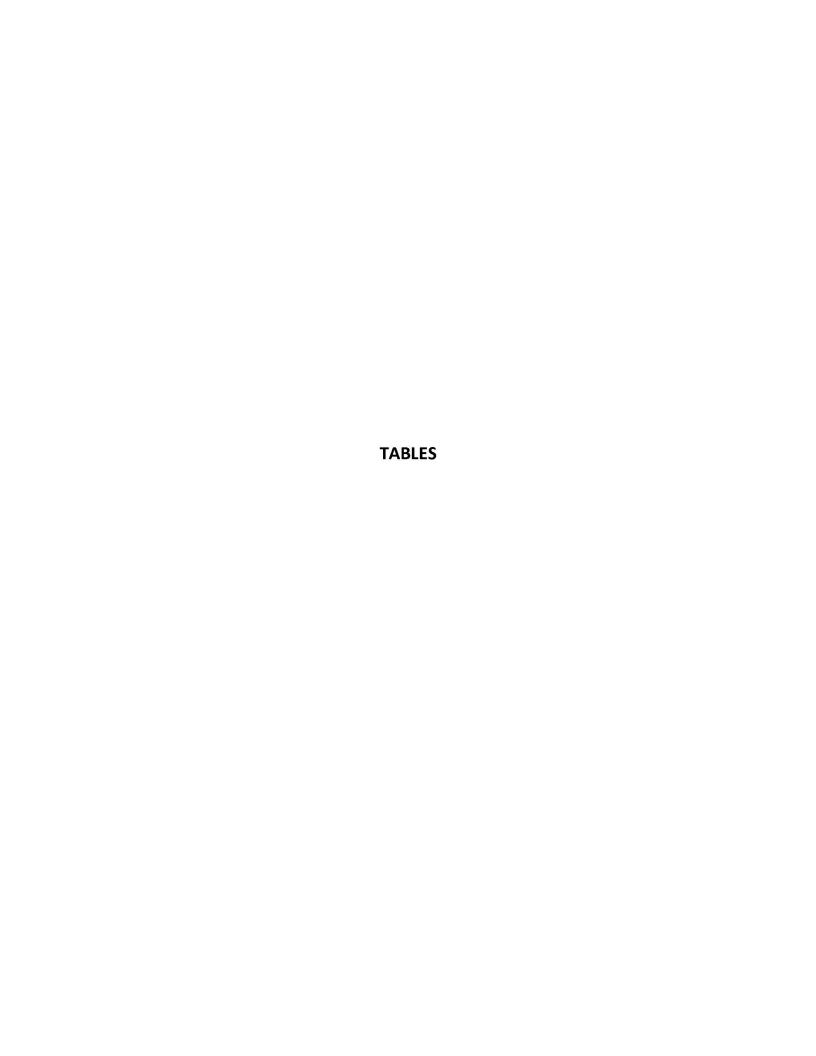
RESULTS OF APPENDIX IV DOWNGRADIENT STATISTICAL COMPARISONS

The sample concentrations from the downgradient wells for each of the detected Appendix IV constituents from the January 2022 semi-annual assessment monitoring event were compared to their respective GWPS (Table I). A sample concentration greater than the GWPS is considered to represent an SSL. Consistent with previous results, beryllium, cobalt, lithium, and radium 226/228 are present in groundwater at SSLs above the GWPS in one or more downgradient wells. All other Appendix IV constituents continue to meet the GWPS.

The CGS Bottom Ash Pond's Remedy Selection Report dated September 30, 2020, specified closure by removal of the CCR material followed by monitored natural attenuation of beryllium, cobalt, lithium, and radium 226/228 in groundwater. Groundwater modeling results predict concentrations of beryllium, cobalt, lithium, and radium 226/228 will decline rapidly after the source removal is complete which is expected to occur in 2025. Excavation of the pond for CCR source removals have been ongoing, reducing the volume of CCR material in the pond dramatically and creating dynamic site conditions. During closure activities, variability, including potential short-term increases in the concentrations of Appendix IV SSLs is possible due to changing site conditions, but these concentrations are expected to decrease once closure is complete. Of note, lead was present slightly above the MCL in monitoring well CAP-9 but was not identified as an SSL when the GWPS was compared to the LCL of the sample population. This slightly upward trend in lead in CAP-9 will continue to be assessed. Performance of the selected remedy will continue to be monitored after subsequent semiannual sampling events and based on the results of the corresponding statistical evaluations.

Tables: Table I – Summary of Assessment Monitoring Statistical Evaluation – January 2022





Cross Ash Pond
Assessment Monitoring Statistical Analysis Summary
January 2022 Groundwater Monitori

Location Id	Frequency of Detection	Percent Non-Detects	Range of Non- Detect	Mean	50th Percentile (Median)	95th Percentile	Maximum Detect	Variance	Standard Deviation	Coefficient of Variance	CCR MCL/RSL	Report Result Unit	Detection Exceedances (Y/N)	Number of Detection Exceedances	Number of Non-Detection Exceedances	Outlier Presence	Outlier Removed	Trend	Distribution Well*	February 2022 Concentrations		95% LCL	Upper Tolerance Limit	SSI	GWPS (Higher of MCL/RSL or Upper Tolerance Limit)	SSL
							CCR Appendix	-IV: Antimony, To																		
CBW-1	0/16	100%	0.005-0.025	0.00625	0.005	0.01		0.000025	0.005	0.8	0.006	mg/L	N	0	1	NA	NA	NA	NA				0.025		0.025	
PM-1	0/16	100%	0.005-0.025	0.00656	0.005	0.01375	-	0.00002573	0.005072	0.7729	0.006	mg/L	N	0	2	NA NA	NA NA	NA		0.005						FALSE
CAP-1 CAP-3	0/13	100%	0.005-0.025 0.005-0.025	0.00654	0.005	0.013		0.00003077	0.005547 0.005547	0.8484	0.006	mg/L	N N	0	1	NA NA	NA NA	NA NA		0.005	N N			N N		FALSE
CAP-5	0/13 0/13	100%	0.005-0.025	0.00654	0.005	0.013	-	0.00003077	0.005547	0.8484	0.006	mg/L mg/L	N N	0	1	NA NA	NA NA	NA NA		0.005	N N			N		FALSE
CAP-7	0/13	100%	0.005-0.025	0.00654	0.005	0.013		0.00003077	0.005547	0.8484	0.006	mg/L	N	0	1	NA	NA	NA		0.005	N			N		FALSE
CAP-9	0/13	100%	0.0005-0.025	0.00619	0.005	0.013		0.00003348	0.005786	0.9344	0.006	mg/L	N	0	1	NA	NA	NA		0.005	N			N		FALSE
							CCR Appendi	x-IV: Arsenic, Tota																		
CBW-1	3/18	83%	0.003-0.005	0.00561	0.005	0.008095	0.016	0.000007131	0.00267	0.4756	0.01	mg/L	Υ	1	0	Yes	No	NA	Non parametris				0.016		0.016	
PM-1	2/18	89%	0.005-0.01	0.00515	0.005	0.00575	0.0042	0.000001617	0.001272	0.2469	0.01	mg/L	N	0	0	No	No	NA	Non-parametric				0.016		0.016	
CAP-1	0/18	100%	0.003-0.005	0.00467	0.005	0.005		5.882E-07	0.000767	0.1643	0.01	mg/L	N	0	0	NA	NA	NA		0.003	N			N		FALSE
CAP-3	0/18	100%	0.003-0.005	0.00467	0.005	0.005		5.882E-07	0.000767	0.1643	0.01	mg/L	N	0	0	NA	NA	NA		0.003	N			N		FALSE
CAP-5	0/18	100%	0.003-0.005	0.00467	0.005	0.005		5.882E-07	0.000767	0.1643	0.01	mg/L	N	0	0	NA	NA	NA		0.003	N			N.		FALSE
CAP-7	7/18	61%	0.005-0.005	0.00556	0.005	0.00775	0.0103	0.000001782	0.001335	0.2399	0.01	mg/L	Y	1	0	Yes	No	Stable		0.010	Υ			N		FALSE
CAP-9	17/18	6%	0.005-0.005	0.00723	0.0068	0.01065		0.000003622	0.001903	0.2633	0.01	mg/L	Y	2	0	Yes	No	Stable		0.0126	Υ			.N.		FALSE
CDIMA	40/40	00/		0.0427	0.0470	0.04036		ix-IV: Barium, Tota		0.4424	2	/1														
CBW-1 PM-1	18/18	0% 0%		0.0437	0.0429	0.04936	0.061 0.103	0.00002415 0.00007523	0.004914	0.1124 0.105	2	mg/L	N N	0	U	Yes	No No	Stable Stable	Non-parametric				0.1030		2.0	
CAP-1	18/18 18/18	0%		0.0826	0.041	0.1005	0.103	0.000136	0.008674	0.105	2	mg/L mg/L	N N	0	0	No	No	Stable		0.026	Y			N		FALSE
CAP-1	18/18			0.0433	0.07855	0.00438	0.237	0.000136	0.0402	0.4499	2	mg/L	N	n	0	Yes	No	Stable		0.026	Y			N		FALSE
CAP-5	18/18	0%	-	1.4	1.43	1.575	1.66	0.0376	0.1939	0.1385	2	mg/L	N	0	0	Yes	No	Increasing		1.550	Y			Y		FALSE
CAP-7	18/18	0%		0.0335	0.03185	0.04087	0.0413	0.00001981	0.004451	0.133	2	mg/L	N	0	0	No	No	Increasing	-	0.041	Y			N		FALSE
CAP-9	18/18	0%		0.0547	0.05675	0.07715		0.0003484	0.01867	0.3414	2	mg/L	N	0	0	No	No	Decreasing		0.029	Y			N		FALSE
							CCR Appendix	-IV: Beryllium, Tot	tal (mg/L)																	
CBW-1	1/17	94%	0.0005-0.0005	0.000508	0.0005	0.000526	0.00063	9.941E-10	0.00003153	0.06211	0.004	mg/L	N	0	0	No	No	NA	Non-constitu				0.0000		0.004	
PM-1	0/18	100%	0.0005-0.005	0.00075	0.0005	0.001175		0.000001125	0.001061	1.414	0.004	mg/L	N	0	1	No	No	NA	Non-parametric				0.0006		0.004	
CAP-1	17/17	0%		0.00565	0.0056	0.0107	0.0111	0.00000895	0.002992	0.5295	0.004	mg/L	Υ	10	0	No	No	Stable		0.011	Υ			Υ		TRUE
CAP-3	0/17	100%	0.0005-0.0005	0.0005	0.0005	0.0005		0	0	0	0.004	mg/L	N	0	0	No	No	NA		0.001	N			N.		FALSE
CAP-5	17/17	0%	*	0.00427	0.0043	0.00528	0.0064	8.479E-07	0.0009208	0.2155	0.004	mg/L	Υ	13	0	Yes	No	Increasing		0.006	Υ			Y		TRUE
CAP-7	0/17	100%	0.0005-0.0005	0.0005	0.0005	0.0005		0	0	0	0.004	mg/L	N	0	0	No	No	NA		0.001	N			N		FALSE
CAP-9	18/18	0%		0.0158	0.01585	0.01824		0.000003688	0.00192	0.1216	0.004	mg/L	Y	18	0	No	No	Stable		0.020	Υ			Y		TRUE
							CCR Appendix	-IV: Cadmium, To																		
CBW-1	0/17	100%	0.0005-0.0005	0.0005	0.0005	0.0005	-	0	0	0	0.005	mg/L	N	0	0	NA	NA	NA	- NA				0.0005		0.005	
PM-1	0/17	100%	0.0005-0.005	0.000765	0.0005	0.0014	-	0.000001191	0.001091	1.427 0	0.005	mg/L	N	0	0	NA	NA NA	NA								FALCE
CAP-1 CAP-3	0/17 0/17	100%	0.0005-0.0005 0.0005-0.0005	0.0005	0.0005 0.0005	0.0005		0	0	0	0.005	mg/L mg/L	N	0	0	NA NA	NA NA	NA NA		0.0005	N N			IN N		FALSE
CAP-5	0/17	100%	0.0005-0.0005	0.0005	0.0005	0.0005		0	0	0	0.005	mg/L	N N	0	0	NA.	NA NA	NA		0.0005	N			N N		FALSE
CAP-7	0/17	100%	0.0005-0.0005	0.0005	0.0005	0.0005		0	0	0	0.005	mg/L	N	0	0	NA	NA NA	NA		0.0005	N			N		FALSE
CAP-9	0/17	100%	0.0005-0.0005	0.0005	0.0005	0.0005		0	0	0	0.005	mg/L	N	0	0	NA	NA	NA		0.0005	N			N		FALSE
							CCR Appendix-	-IV: Chromium, To	tal (mg/L)																	
CBW-1	1/17	94%	0.005-0.005	0.00553	0.005	0.0068	0.014	0.000004765	0.002183	0.3948	0.1	mg/L	N	0	0	NA	NA	NA					0.044		0.40	
PM-1	0/17	100%	0.005-0.005	0.005	0.005	0.005		7.228E-21	8.502E-11	0.000000017	0.1	mg/L	N	0	0	NA	NA	NA	Non-parametric				0.014		0.10	
CAP-1	0/17	100%	0.005-0.005	0.005	0.005	0.005		3.388E-21	5.821E-11	1.164E-08	0.1	mg/L	N	0	0	NA	NA	NA		0.0050	N			N		FALSE
CAP-3	0/17	100%	0.005-0.005	0.005	0.005	0.005		3.388E-21	5.821E-11	1.164E-08	0.1	mg/L	N	0	0	NA	NA	NA		0.0050	N			N.		FALSE
CAP-5	1/17	94%	0.005-0.005	0.00618	0.005	0.00902	0.0251	0.00002377	0.004875	0.7885	0.1	mg/L	N	0	0	NA	NA	NA		0.0050	N			N.		FALSE
CAP-7	0/17	100%	0.005-0.005	0.005	0.005	0.005		3.388E-21	5.821E-11	1.164E-08	0.1	mg/L	N	0	0	NA	NA	NA		0.0050	N			N		FALSE
CAP-9	0/17	100%	0.005-0.005	0.005	0.005	0.005		3.388E-21		1.164E-08	0.1	mg/L	N	0	0	NA	NA	NA		0.0050	N			N.		FALSE
								ix-IV: Cobalt, Tota																		
CBW-1	18/18	0%	-	0.00106	0.00087	0.001615		3.746E-07	0.0006121	0.5786	0.006	mg/L	N	0	0		No		Non-parametric				0.0034		0.006	
PM-1	17/18	6%	0.005-0.005	0.00115	0.00092	0.0016	0.001	9.273E-07	0.000963	0.8373	0.006	mg/L	N	0	0	No	No	Increasing						V		
CAP-1	17/17	0%	-	0.0159	0.0167	0.024	0.024	0.00003184	0.005643	0.3541	0.006	mg/L	Y	16	0	No	No	Stable		0.014	Y			Y		TRUE
CAP-3	17/17	0%		0.0267	0.0267	0.03152			0.004032	0.1508	0.006	mg/L	Y	17	0	Yes	No	Increasing		0.031	Y			Y		TRUE TRUE
CAP-5 CAP-7	17/17	0%	-	0.013	0.0131 0.0102	0.01588 0.01308		0.000005924	0.002434 0.001572	0.1874	0.006	mg/L	Y V	17	0	Yes	No No	Increasing		0.017	Y			Y		TRUE
CAP-7 CAP-9	17/17 18/18	0%		0.0107	0.0102	0.01308		0.00000247	0.001572	0.1474 0.215	0.006	mg/L mg/L	V	17	0	Yes	No	Increasing		0.011	Y Y			Y		TRUE
G11 5	10/10	3/0		0.0322	0.0331	0.03043		ndix-IV: Fluoride (0.213	0.000	E/ L	4	10		163				0.016				-		******
CBW-1	18/18	0%		0.223	0.22	0.2915	0.3	0.001765	0.04201	0.1881	4	mg/L	N	0	0	No	No	Decreasing								
PM-1	0/18	100%	0.1-0.1	0.1	0.1	0.1	1	1.633E-18	1.278E-09	1.278E-08	4	mg/L	N	0	0	NA	NA NA	NA	Non-parametric				0.30		4.0	
CAP-1	16/17	6%	0.1-0.1	1.03	0.82	2.06	2.42	0.4518	0.6722	0.6526	4	mg/L	N	0	0	No	No	Increasing		1.880	Y			Υ		FALSE
CAP-3	5/17	71%	0.1-0.1	0.105	0.1	0.13	0.13	0.000114	0.01068	0.1014	4	mg/L	N	0	0	No	No	Stable		0.100	N			N		FALSE
CAP-5	17/17	0%		0.488	0.53	0.654	0.75	0.02438	0.1561	0.3202	4	mg/L	N	0	0	No	No	Stable		0.530	Y			Υ		FALSE
	6/17	65%	0.1-0.1	0.154	0.1	0.294	0.83	0.03076	0.1754	1.138	4	mg/L	N	0	0	Yes	No	Stable		0.830	Υ	1		Υ		FALSE
CAP-7	0/1/																									

Cross Ash Pond
Assessment Monitoring Statistical Analysis Summary
January 2022 Groundwater Monitori

Location Id	Frequency of Detection	Percent Non-Detects	Range of Non- Detect	Mean	50th Percentile (Median)	95th Percentile	Maximum Detect	Variance	Standard Deviation	Coefficient of Variance	CCR MCL/RSL	Report Result Unit	Detection Exceedances (Y/N)	Number of Detection Exceedances	Number of Non-Detection Exceedances	Outlier Presence	Outlier Removed	Trend	Distribution Well*	February 2022 Concentrations		95% LCL	Upper Tolerance Limit	SSI	GWPS (Higher of MCL/RSL or Upper Tolerance Limit)	SSL
							CCR Appen	dix-IV: Lead, Total (mg/L)																	
CBW-1	18/18	0%		0.00339	0.0029	0.004837	0.011	0.000003734	0.001932	0.5699	0.015	mg/L	N	0	0	Yes	No	Decreasing	Non-parametric				0.011		0.015	
PM-1	0/18	100%	0.001-0.01	0.00167	0.001	0.003625		0.000004559	0.002135	1.281	0.015	mg/L	N	0	0	NA	NA	NA	non parametric				0.011		0.023	
CAP-1	5/16	69%	0.001-0.0025	0.00149	0.00115	0.0025	0.0022	0.000000378	0.0006148	0.4116	0.015	mg/L	N	0	0	NA	NA	NA		0.003	N			N		FALSE
CAP-3	0/16	100%	0.001-0.0025	0.00128	0.001	0.0025		3.656E-07	0.0006047	0.4719	0.015	mg/L	N	0	0	NA	NA	NA		0.003	N			N		FALSE
CAP-5	15/16	6%	0.0025-0.0025	0.00582	0.0057	0.008075	0.0083	0.000002152	0.001467	0.2522	0.015	mg/L	N	0	0	No	No	Increasing		0.008	Y			N		FALSE
CAP-7	0/16	100%	0.001-0.01	0.00184	0.001	0.004375	-	0.000005091	0.002256	1.224	0.015	mg/L	N	0	0	NA	NA	NA		0.003	N			N		FALSE
CAP-9	16/16	0%	-	0.0113	0.01145	0.01568	0.0165	0.00001009	0.003176	0.2813	0.015	mg/L	Υ	2	U	Yes	No	Increasing		0.017	Y	0.010		N.		FALSE
CDW 4		0.407	0.005.0.03	0.00076	0.01			x-IV: Lithium, Total		0.2542	0.04	/1			0	1.0		114								
CBW-1 PM-1	1/18	94%	0.005-0.02	0.00976	0.01	0.0115	0.00066	0.00001242	0.003525	0.3612	0.04	mg/L	N N	0	0	NA NA	NA NA	NA NA	Non-parametric				0.01		0.04	
CAP-1	1/18	0%	0.005-0.01	0.00937	0.01	0.01	0.0037	0.000003388	0.001841	0.1964 0.3005	0.04	mg/L	Y	16	0	No.	No	Stable		0.118	v			Υ		TRUE
CAP-1	17/17	24%	0.01-0.05	0.0929		0.122	0.13 0.0171	0.0007792	0.02791	0.5005	0.04	mg/L	N N	0	1	Yes	No	Stable		0.118	Y			Y		FALSE
CAP-5	13/17	6%	0.01-0.01	0.0138	0.011	0.02368 0.01676	0.0171	0.00003027	0.003301	0.1695	0.04	mg/L	N	0	0	Yes	No	Stable			Y			Y		FALSE
CAP-7	16/17 0/17	100%	0.005-0.05	0.0131	0.01	0.01070	0.0136	0.000004911	0.002210	0.1093	0.04	mg/L mg/L	N	n	1	NA NA	NA NA	NA		0.020	N N	-		N		FALSE
CAP-9	18/18	0%	0.005-0.05	0.064	0.0625	0.07484	0.0898	0.00005953	0.003832	0.1206	0.04	mg/L	Y	18	0	Yes	No	Increasing		0.003	Y			Y		TRUE
- Chillian	10/10	370		0.004	0.0023			x-IV: Mercury, Tota		0.1200	5.04	1116/ L		10	0	163	110	mereasing	-	0.090	,					THOL
CBW-1	0/18	100%	0.0002-0.001	0.000244	0.0002	0.00032	out Appenui	3.556E-08	0.0001886	0.7714	0.002	mg/L	N	0	n	NA NA	NA	NA								
PM-1	0/18	100%	0.0002-0.001	0.000244	0.0002	0.00032		3.556E-08	0.0001886	0.7714	0.002	mg/L	N	0	0	NA	NA NA	NA	NA				0.001		0.002	
CAP-1	0/18	100%	0.0002-0.001	0.000244	0.0002	0.00032	-	4.267E-08	0.0001880	0.7714	0.002	mg/L	N	0	n	NA NA	NA NA	NA NA		0.0002	N		Section 1	N		FALSE
CAP-3	0/15	100%	0.0002-0.001	0.00025	0.0002	0.0004	-	0.00000004	0.0002	0.8	0.002	mg/L	N	0	0	NA	NA	NA		0.0002	N			N		FALSE
CAP-5	0/16	100%	0.0002-0.001	0.00025	0.0002	0.0004		0.00000004	0.0002	0.8	0.002	mg/L	N	0	0	NA	NA	NA		0.0002	N	-		N		FALSE
CAP-7	2/16	88%	0.0002-0.001	0.000255	0.0002	0.00043	0.00024	3.965E-08	0.0001991	0.7809	0.002	mg/L	N	0	0	NA.	NA NA	NA	-100	0.0002	N			N		FALSE
CAP-9	2/16	88%	0.0002-0.001	0.000264	0.0002	0.0004975		4.004E-08	0.0002001	0.7569	0.002	mg/L	N	0	0	NA	NA	NA		0.0002	N			N		FALSE
	2,10							V: Molybdenum, To												0.0002						
CBW-1	0/16	100%	0.005-0.02	0.0103	0.01	0.0125		0.000008229	0.002869	0.2782	0.1	mg/L	N	0	0	NA NA	NA	NA								
PM-1	0/16	100%	0.005-0.01	0.00969	0.01	0.01	_	0.000001562	0.00125	0.129	0.1	mg/L	N	0	0	NA	NA	NA	NA				0.01		0.10	
CAP-1	0/13	100%	0.005-0.01	0.00962	0.01	0.01		0.000001923	0.001387	0.1442	0.1	mg/L	N	0	0	NA	NA	NA		0.005	N			N		FALSE
CAP-3	0/13	100%	0.005-0.01	0.00962	0.01	0.01		0.000001923	0.001387	0.1442	0.1	mg/L	N	0	0	NA	NA	NA		0.005	N	10.00		N.		FALSE
CAP-5	0/13	100%	0.005-0.01	0.00962	0.01	0.01		0.000001923	0.001387	0.1442	0.1	mg/L	N	0	0	NA	NA	NA		0.005	N			N		FALSE
CAP-7	0/13	100%	0.005-0.05	0.0127	0.01	0.026		0.0001276	0.01129	0.8899	0.1	mg/L	N	0	0	NA	NA	NA		0.005	N			N		FALSE
CAP-9	0/13	100%	0.005-0.04	0.0119	0.01	0.022		0.00007308	0.008549	0.717	0.1	mg/L	N	0	0	NA	NA	NA		0.005	N			N		FALSE
						cc	CR Appendix-	V: Radium-226 & 2	28 (pCi/L)																	
CBW-1	10/17	41%	4-4	3.38	4	5.516	6.34	2.928	1.711	0.5062	5	pCi/L	Υ	3	0	Yes	No	Decreasing	Non-parametric				16.3		16.3	
PM-1	11/17	35%	4-4	4.21	4	8.932	16.3	12.31	3.508	0.834	5	pCi/L	Y	2	0	Yes	No	Decreasing	Non-parametric				10.3		10.3	
CAP-1	8/16	50%	4-4	3.36	4	5.165	5.24	1.71	1.308	0.389	5	pCi/L	Υ	2	0	No	No	Stable		3.000	Υ			N		FALSE
CAP-3	9/16	44%	4-4	3.14	4	4.27	4.48	1.66	1.289	0.4102	5	pCi/L	N	0	0	No	No	Decreasing		1.220	Y			N		FALSE
CAP-5	17/17	0%	-	16.9	17.51	20.02	21.3	10.76	3.28	0.1941	5	pCi/L	Υ	17	0	Yes	No	Stable		17.200	Υ			Y		TRUE
CAP-7	12/16	25%	4-4	3.98	4	6.133	6.56	2.42	1.556	0.3911	5	pCi/L	Υ	5	0	No	No	Stable		2.020	Υ			N.		FALSE
CAP-9	11/16	31%	4-4	3.92	4	6.012	7.31	2.079	1.442	0.3681	5	pCi/L	Υ	2	0	No	No	Stable		1.790	Y			N		FALSE
2.735.95s Sc							CCR Appendix	c-IV: Selenium, Tota																		
CBW-1	0/18	100%	0.01-0.02	0.0114	0.01	0.02		0.00001147	0.003386	0.2965	0.05	mg/L	N	0	0	NA	NA	NA	NA				0.02		0.05	
PM-1	0/18	100%	0.005-0.02	0.0108	0.01	0.02		0.0000125	0.003536	0.3264	0.05	mg/L	N	0	0	NA	NA	NA								
CAP-1	0/14	100%	0.005-0.02	0.0111	0.01	0.02		0.00001607	0.004009	0.3621	0.05	mg/L	N	0	0	NA	NA	NA		0.005	N			N		FALSE
CAP-3	0/14	100%	0.005-0.02	0.0111	0.01	0.02		0.00001607	0.004009	0.3621	0.05	mg/L	N	0	0	NA	NA	NA NA		0.005	N	1		N.		FALSE
CAP-5	0/14	100%	0.005-0.02	0.0111	0.01	0.02	-	0.00001607	0.004009	0.3621	0.05	mg/L	N	0	0	NA	NA.	NA		0.005	N			N.	6	FALSE
CAP-7	0/14	100%	0.005-0.02	0.0111	0.01	0.02	0.034	0.00001607	0.004009	0.3621	0.05	mg/L	N	0	0	NA	NA	NA NA		0.005	N			N		FALSE
CAP-9	2/14	86%	0.01-0.02	0.0131	0.01	0.02385		0.00003946	0.006281	0.4805	0.05	mg/L	N	0	0	NA	NA	NA		0.012	Υ			IV.		FALSE
CDW/1	0/25	1000/	0.001.0.001	0.001	0.001		CCK Appendix	k-IV: Thallium, Tota		0	0.007	pa = /1	KI	0	0	N/A	N/A	ATA.								
CBW-1	0/16	100%	0.001-0.001	0.001	0.001	0.001		0 000005063	0 00335	0	0.002	mg/L	N	0	0	NA NA	NA NA	NA NA	- NA				0.001		0.002	
PM-1	0/16	100%	0.001-0.01	0.00156	0.001	0.00325		0.000005062	0.00225	1.44	0.002	mg/L	N	0	1	NA	NA	NA NA		0.004				P1		ENICE
CAP-1	0/13	100%	0.001-0.001	0.001	0.001	0.001	-	0	0	0	0.002	mg/L	N	0	0	NA NA	NA NA	NA NA		0.001	N	-		N		FALSE FALSE
CAP-3 CAP-5	0/13	100%	0.001-0.001	0.001	0.001	0.001		0	0	0	0.002	mg/L	N	0	0	NA NA	NA NA	NA NA		0.001	N			N		
CAP-5 CAP-7	0/13	100%	0.001-0.001	0.001	0.001	0.001		0	0	0	0.002	mg/L	N N	0	0	NA NA	NA NA	NA NA		0.001	N	-		N N		FALSE FALSE
	0/13		0.001-0.001		0.001	0.001		0		0	0.002	mg/L	N	0	0					0.001	N					FALSE
CAP-9	0/13	100%	0.001-0.001	0.001	0.001	0.001		0	0	U	0.002	mg/L	N	U	U	NA.	NA	NA		0.001	N			N		FALSE



HALEY & ALDRICH, INC. 400 Augusta Street Suite 100 Greenville, SC 29601 864.214.8750

TECHNICAL MEMORANDUM

December 26, 2022 File No. 132892-010

SUBJECT: Statistical Evaluation of the Summer 2022 Semiannual Corrective Action Groundwater

Monitoring Data, Cross Generating Station, Bottom Ash Pond

Pursuant to Title 40 Code of Federal Regulations (40 CFR) §257.93, §257.95, and §257.98 (Rule), this memorandum summarizes the statistical evaluation of the groundwater analytical results obtained for the summer 2022 semiannual corrective action groundwater monitoring event for Cross Generating Station (CGS) Bottom Ash Pond. Data for this groundwater sampling event were validated on September 28, 2022 by Santee Cooper.

BACKGROUND

All CCR and non-CCR wastewater inflows to the CGS Bottom Ash Pond ceased as of August 31, 2020. The unit is undergoing closure by removal as outlined in the Remedy Selection Report dated September 30, 2020. At that time, assessment monitoring identified the presence of beryllium, cobalt, lithium, and radium in one or more downgradient wells at a statistically significant level (SSL) above the Groundwater Protection Standard (GWPS). During the January 2022 groundwater sampling event, beryllium, cobalt, lithium, and radium were again detected at SSLs above the GWPS.

Recent analytical testing results were evaluated to determine if SSLs continue to exist above GWPS of Appendix IV groundwater monitoring constituents. Using interwell evaluations, data from the semiannual sampling event for downgradient monitoring wells were compared to the GWPS established from background wells and the results are provided below.

STATISTICAL EVALUATION

The Rule provides four specific options to statistically evaluate whether water quality downgradient of the CCR Unit (§257.93(f) (1-4)) represents a SSL of Appendix IV parameters above the GWPS. The selected statistical method used for these evaluations is the tolerance limit (TL) as certified by Haley & Aldrich, Inc. on October 12, 2017.

An interwell evaluation was used for statistical analysis, which compares the most recent values from downgradient compliance wells against a background dataset composed of upgradient well data. The TL method was used to evaluate potential SSLs above GWPS. The GWPS for each of the Appendix IV constituents has been set equal to the highest value of the maximum contaminant level, regional screening level (RSL), or site background concentration. Compliance well data from the most recent groundwater sampling event were compared to the corresponding GWPS to determine if a SSL existed. Statistical analysis results are presented in Table I.

South Carolina Public Service Authority (Santee Cooper)
December 26, 2022
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As part of the TL procedure, a concentration limit for each constituent is established from the distribution of the background data with a minimum 95 percent confidence level. The upper endpoint of a tolerance interval is called the upper tolerance limit (UTL). Depending on the assumed distribution of background, parametric or non-parametric procedures were used to develop the UTL. Parametric procedures use assumed distributions of the sample background data to development the limits, whereas non-parametric limits use order statistics or bootstrap methods. If all the background data are non-detect, a maximum reporting limit may serve as an appropriate UTL.

If an Appendix IV constituent concentration from the event was above the GWPS, the lower confidence limit (LCL) for the downgradient well constituent was used to evaluate the presence of a SSL. The LCL is the lower end of the confidence interval range, which is an estimated concentration range intended to contain the true mean or median of the population from which the sample is drawn. The confidence interval range is designed to locate the true population mean or median with a high degree of statistical confidence.

After testing for outliers, the UTLs were calculated from the background dataset to evaluate whether removal of data was necessary based on sampling or measurement discrepancies. Both visual and statistical outlier tests for the background data were performed. A visual inspection of the data was performed using distribution plots for the downgradient sample data. Based on our review, no sample data were identified as outliers that warranted removal from the dataset.

The background well (CBW-1 and PM-1) analytical results from previous events were combined to calculate the UTL for each detected Appendix IV constituent. Variability and distribution of the pooled dataset were reviewed to establish the method for UTL calculation. The background dataset will be updated after the 2023 second semiannual sampling event in accordance with Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance, March 2009 (the Unified Guidance).

RESULTS OF APPENDIX IV DOWNGRADIENT STATISTICAL COMPARISONS

As stated, Appendix IV constituent detections from downgradient well samples were compared to their respective GWPS (Table I). Based on previous compliance sampling data and statistical evaluations, interwell comparisons were used. Consistent with previous results, beryllium, cobalt, and lithium are present in groundwater at SSLs above the GWPS in one or more downgradient wells. Of note, there was not a SSL for radium for this event. All other Appendix IV constituents meet the GWPS.

- Beryllium SSLs at CAP-1 and CAP-9
- Cobalt SSLs at CAP-1, CAP-3, CAP-5, CAP-7, and CAP-9
- Lithium SSL at CAP-1

The CGS Bottom Ash Pond's Remedy Selection Report specified closure by removal of the CCR material followed by monitored natural attenuation of beryllium, cobalt, lithium, and radium 226/228 in groundwater. Groundwater modeling results predict concentrations of beryllium, cobalt, lithium, and radium 226/228 will decline after the source removal is completed in 2025. Excavation of the pond for CCR source removals is ongoing, reducing the volume of CCR material in the pond and creating dynamic



South Carolina Public Service Authority (Santee Cooper)
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site conditions. During closure activities, variability, including potential short-term increases in the concentrations of Appendix IV SSLs, is possible due to changing site conditions.

Fluoride and lead were detected slightly above the MCL in monitoring well CAP-9 and were not identified as SSLs after the GWPS was compared to the LCL of the sample population. This slightly upward trend in fluoride and lead in CAP-9 will continue to be assessed. Performance of the selected remedy will continue to be monitored after subsequent semiannual sampling events and will be based on the results of the corresponding statistical evaluations.

Enclosures:

Table I – CGS Bottom Ash Pond Summer 2022 Semiannual Corrective Action Monitoring Data

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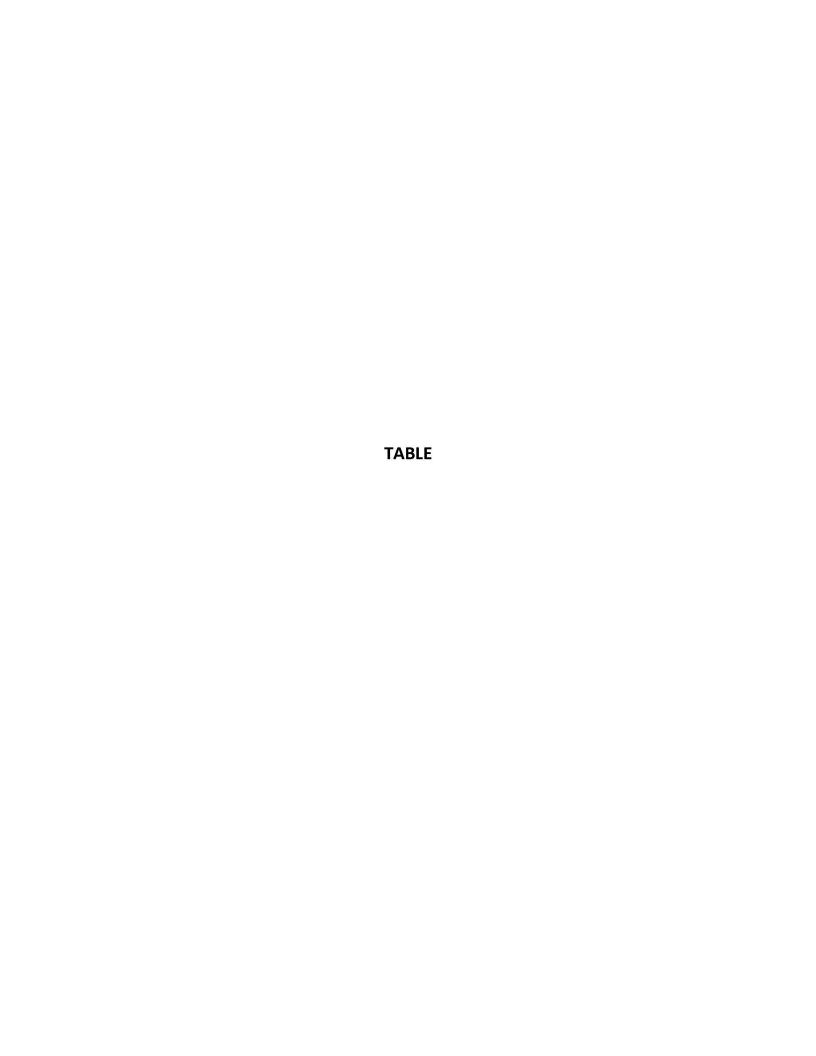


TABLE I CGS BOTTOM ASH POND SUMMER 2022 SEMIANNUAL CORRECTIVE ACTION MONITORING DATA

																	ENTIRE DATA		7			In	ter-well Analysis			
Location Id	Frequency of Detection	Percent Non-Detects	Range of Non- Detect	Mean	50th Percentile (Median)	95th Percentile	Maximum Detect	Variance	Standard Deviation	Coefficient of Variance	CCR MCL/RSL	Report Result Unit	Detection Exceedances (Y/N)	Number of Detection Exceedances	Number of Non-Detection Exceedances	Outlier Presence	Outlier Removed	Trend	Distribution Well*	June 2022 Concentrations	Detect? 95	6 LCL Upper Toleran	ce SSI	GWPS (Higher of MCL/RSL or Upper Tolerance Limit)	Exceedance above Background at Individual Well	SSL
CBW-1	0/17	100%	0.005-0.025	0.00618	0.005	0.009	CCR Appendix-	0.00002353	otal (mg/L) 0.004851	0.7854	0.006	mg/L	N	0	1	NA	NA	NA								
PM-1	0/17	100%	0.005-0.025	0.00647	0.005	0.013	ī	0.00002426	0.004926	0.7613	0.006	mg/L	N	0	2	I NA	I NA	NA NA	NA NA			0.025		0.025		
CAP-1	0/14	100%	0.005-0.025	0.00643	0.005	0.012		0.00002857	0.005345	0.8315	0.006	mg/L	N	0	1	NA	NA	NA		0.005	N		N		N	No
CAP-3	0/14	100%	0.005-0.025	0.00643	0.005	0.012		0.00002857	0.005345	0.8315	0.006	mg/L	N	0	1	NA	NA	NA		0.005	N		N		N	No
CAP-5	0/14	100%	0.005-0.025	0.00643	0.005	0.012		0.00002857	0.005345	0.8315	0.006	mg/L	N	0	1	NA	NA	NA		0.005	N		N		N	No
CAP-7	0/14	100%	0.005-0.025	0.00643	0.005	0.012		0.00002857	0.005345	0.8315	0.006	mg/L	N	0	1	NA	NA	NA		0.005	N		N		N	No
CAP-9	0/14	100%	0.0005-0.025	0.00611	0.005	0.012		0.00003101	0.005568	0.9118	0.006	mg/L	N	0	1	NA	NA	NA		0.005	N		N		N	No
							CCR Appendix	c-IV: Arsenic, Tot																		
CBW-1	3/19	84%	0.003-0.005	0.00558	0.005	0.00763	0.016	0.000006754	0.002599	0.4655	0.01	mg/L	Y	1	0	Yes	No	NA	Non-parametric			0.016		0.016		
PM-1 CAP-1	2/19 0/19	100%	0.005-0.01 0.003-0.01	0.00514 0.00495	0.005	0.0055 0.0055	0.0042	0.000001528 0.000002053	0.001236 0.001433	0.2404	0.01	mg/L mg/L	N N	0	0	Yes	No NA	NA NA		0.010	N.		N		N	No
CAP-3	0/19	100%	0.003-0.01	0.00495	0.005	0.0055		0.000002053	0.001433	0.2896	0.01	mg/L	N	0	0	NA NA	NA	NA		0.010	N		N		N	No
CAP-5	0/19	100%	0.003-0.01	0.00495	0.005	0.0055		0.000002053	0.001433	0.2896	0.01	mg/L	N	0	0	NA	NA	NA		0.010	N		N		N	No
CAP-7	7/19	63%	0.005-0.01	0.0058	0.005	0.01003	0.0103	0.000002718	0.001649	0.2843	0.01	mg/L	Υ	1	0	Yes	No	Stable		0.010	N		N		N	No
CAP-9	17/19	11%	0.005-0.01	0.00737	0.0068	0.01053	0.0126	0.000003826	0.001956	0.2653	0.01	mg/L	Υ	2	0	No	No	Stable		0.010	N		N		N	No
							CCR Appendix	k-IV: Barium, Tot	al (mg/L)																	
CBW-1	19/19	0%	-	0.0432	0.0428	0.04867	0.061	0.00002887	0.005373	0.1245	2	mg/L	N	0	0	Yes	No	Decreasing	Non-parametric			0.1030		2.0		
PM-1	19/19	0%	-	0.0822	0.0803	0.1003	0.103	0.00007332	0.008563	0.1041	2	mg/L	N	0	0	Yes	No	Stable	Non-parametric			0.1030		2.0		
CAP-1	19/19	0%	-	0.0446	0.0442	0.06432	0.069	0.0001638	0.0128	0.2872	2	mg/L	N	0	0	No	No	Stable		0.020	Υ		N		N	No
CAP-3	19/19	0%	-	0.0891	0.081	0.1398	0.237	0.001528	0.03909	0.4388	2	mg/L	N	0	0	Yes	No	Stable		0.084	Y		N		N	No
CAP-5	19/19	0%		1.39	1.43	1.57	1.66	0.03603	0.1898	0.1361	2	mg/L	N	0	0	Yes	No	Increasing		1.300	Y		Y		N	No
CAP-7	19/19	0%	-	0.0337	0.0319	0.04085	0.0413	0.00001979	0.004449	0.132	2	mg/L	N	0	0	No	No	Increasing		0.038	Y		N	K 1	N	No
CAP-9	19/19	0%	1	0.0527	0.0527	0.0761	0.095	0.0004038	0.02009	0.3813	2	mg/L	N	0	0	No	No	Decreasing		0.017	Y		N		N	No
CBW-1	1/18	94%	0.0005-0.0005	0.000507	0.0005	0.0005195	0.00063	9.389E-10	0.00003064	0.06041	0.004	ma/I	N	0	0	No	No	NA							1	
PM-1	0/19	100%	0.0005-0.0005	0.000307	0.0005	0.0003193	0.00063	0.000001066	0.0003064	1.401	0.004	mg/L mg/L	N N	0	1	No	No	NA NA	Non-parametric			0.0050		0.005		
CAP-1	18/18	0%	-	0.00589	0.0059	0.01068	0.0111	0.000001000	0.001032	0.5224	0.004	mg/L	Y	11	0	No	No	Increase		0.010	v		Y		Y	Yes
CAP-3	0/18	100%	0.0005-0.001	0.000528	0.0005	0.000575	0.0222	1.389E-08	0.0001179	0.2233	0.004	mg/L	N	0	0	No	No	NA		0.001	N		N	-	N	No
CAP-5	18/18	0%	-	0.00431	0.0043	0.00521	0.0064	8.274E-07	0.0009096	0.2109	0.004	mg/L	Υ	14	0	Yes	No	Increasing		0.005	Y		N		N	No
CAP-7	0/18	100%	0.0005-0.001	0.000528	0.0005	0.000575		1.389E-08	0.0001179	0.2233	0.004	mg/L	N	0	0	No	No	NA		0.001	N		N		N	No
CAP-9	19/19	0%	-	0.016	0.016	0.01906	0.0196	0.000004024	0.002006	0.1257	0.004	mg/L	Υ	19	0	No	No	Stable		0.019	Υ		Y		Υ	Yes
						(CCR Appendix	IV: Cadmium, To	otal (mg/L)																	
CBW-1	0/18	100%	0.0005-0.004	0.000694	0.0005	0.001025		6.806E-07	0.000825	1.188	0.005	mg/L	N	0	0	NA	NA	NA	NA			0.0050		0.005		
PM-1	0/18	100%	0.0005-0.005	0.000944	0.0005	0.00415		0.00001703		1.382	0.005	mg/L	N	0	0	NA	NA	NA								
CAP-1	0/18	100%	0.0005-0.004	0.000694	0.0005	0.001025		6.806E-07	0.000825	1.188	0.005	mg/L	N	0	0	NA	NA	NA		0.0040	N		N		N	No
CAP-3	0/18	100%	0.0005-0.004	0.000694	0.0005	0.001025		6.806E-07	0.000825	1.188	0.005	mg/L	N	0	0	NA	NA	NA		0.0040	N		N		N	No
CAP-5	0/18	100%	0.0005-0.004 0.0005-0.004	0.000694	0.0005	0.001025 0.001025	-	6.806E-07	0.000825 0.000825	1.188	0.005	mg/L	N N	0	0	NA NA	NA NA	NA		0.0040	N		N	_	N	No
CAP-9	0/18 0/18	100%	0.0005-0.004	0.000694	0.0005	0.001025		6.806E-07 6.806E-07	0.000825	1.188	0.005	mg/L mg/L	N	0	0	NA	NA NA	NA NA		0.0040 0.0040	N		N		N	No No
CALS	0/18	10070	0.0003 0.004	0.000034	0.0003		CCR Appendix-	IV: Chromium, To		1.100	0.003	mg/ L	.,,		· ·	NA.	NA.	INA		0.0040	N		1		N N	140
CBW-1	1/18	94%	0.005-0.005	0.0055	0.005	0.00635	0.014	0.0000045	0.002121	0.3857	0.1	mg/L	N	0	0	NA	NA	NA								
PM-1	0/17	100%	0.005-0.005	0.005	0.005	0.005		3.388E-21	5.821E-11	1.164E-08	0.1	mg/L	N	0	0	NA	NA	NA	Non-parametric			0.014		0.10		
CAP-1	0/18	100%	0.005-0.01	0.00528	0.005	0.00575		0.000001389	0.001179	0.2233	0.1	mg/L	N	0	0	NA	NA	NA	100	0.0100	N		N		N	No
CAP-3	0/18	100%	0.005-0.01	0.00528	0.005	0.00575		0.000001389	0.001179	0.2233	0.1	mg/L	N	0	0	NA	NA	NA		0.0100	N		N		N	No
CAP-5	1/18	94%	0.005-0.01	0.00639	0.005	0.01226	0.0251	0.00002318	0.004814	0.7529	0.1	mg/L	N	0	0	NA	NA	NA		0.0100	N		N		N	No
CAP-7	0/18	100%	0.005-0.01	0.00528	0.005	0.00575		0.000001389		0.2233	0.1	mg/L	N	0	0	NA	NA	NA		0.0100	N		N		N	No
CAP-9	0/18	100%	0.005-0.01	0.00528	0.005	0.00575		0.00001389	1	0.2233	0.1	mg/L	N	0	0	NA	NA	NA		0.0100	N		N		N	No
				0.00405				x-IV: Cobalt, Tota		0.5014												1/4				
CBW-1	18/19	5%	0.001-0.001	0.00105	0.00088	0.00151	0.0034	0.000000354	0.000595 0.0009365	0.5641	0.006	mg/L	N	0	0	Yes	No	Decreasing	Non-parametric			0.0050		0.006		
PM-1 CAP-1	18/19	5%	0.005-0.005	0.00114 0.0163	0.00093 0.01675	0.0014	0.001	0.0000008//	0.0009365	0.8199	0.006	mg/L mg/L	N V	17	0	Yes	No No	Increasing	170	0.022	Υ		v		V	Yes
CAP-1	18/18 18/18	0%	1 .	0.0163	0.01675	0.024	0.024	0.00003274	0.003722	0.3504	0.006	mg/L mg/L	V	17	0	Yes	No	Increasing		0.023	Y	-	V		Y	Yes
CAP-5	18/18	0%	-	0.0269	0.027	0.03144	0.0328	0.00001389	0.003987	0.1481	0.006	mg/L	Y	18	0	Yes	No	Increasing		0.030	Y	100	Y		Y	Yes
CAP-7	18/18	0%	-	0.0108	0.01045	0.01378	0.0174	0.000003632		0.1502	0.006	mg/L	Y	18	0	No	No	Stable		0.014	Y	40	Y		Y	Yes
CAP-9	19/19	0%	-	0.0327	0.0335	0.0393	0.042	0.00005036	4	0.2167	0.006	mg/L	Y	19	0	Yes	No	Increasing	1- 0	0.042	Υ		Y		Υ	Yes
	La constant	1	- la		1	1		dix-IV: Fluoride					the same	do and a second												
CBW-1	19/19	0%	-	0.221	0.22	0.291	0.3	0.001765	0.04202	0.1901	4	mg/L	N	0	0	Yes	No	Decreasing	Non-parametria			0.30		4.0	1	
PM-1	0/19	100%	0.1-0.1	0.1	0.1	0.1		0	0	0	4	mg/L	N	0	0	NA	NA	NA	Non-parametric			0.30		4.0		
CAP-1	17/18	6%	0.1-0.1	1.11	0.885	2.434	2.51	0.5469	0.7395	0.6649	4	mg/L	N	0	0	No	No	Increasing		2.510	Y		Y		N	No
CAP-3	5/18	72%	0.1-0.1	0.105	0.1	0.13	0.13	0.0001088	0.01043	0.09935	4	mg/L	N	0	0	No	No	Stable		0.100	N		N		N	No
CAP-5	18/18	0%	-	0.494	0.535	0.648	0.75	0.02365	0.1538	0.3114	4	mg/L	N	0	0	No	No	Stable		0.600	Y		Y		N	No
CAP-7	6/18	67%	0.1-0.1	0.151	0.1	0.2605	0.83	0.02912	0.1706	1.129	4	mg/L	N	0	0	Yes	No	Stable		0.100	N	120	N		N	No
CAP-9	18/18	0%	-	2.6	2.23	4.162	CCR Append	1.248 lix-IV: Lead, Tota	1.117	0.4304	4	mg/L	Y	2	U	No	No	Stable		4.120	Υ 2	138	Y		N	No
CBW-1	18/19	5%	0.01-0.01	0.00374	0.003	0.0101	0.011	0.000005826	1	0.6456	0.015	mg/I	M	0	0	Voc	No	Decreasing								
PM-1	0/19	100%	0.001-0.01	0.00374	0.003	0.0101	0.011	0.000003826		1.34	0.015	mg/L mg/L	N N	0	0	Yes	No NA	Decreasing NA	Non-parametric			0.011		0.015		
CAP-1	5/17	71%	0.001-0.01	0.00211	0.001	0.004	0.0022	0.000007961		1.077	0.015	mg/L	N	0	0	NA NA	NA NA	NA NA	-	0.010	N		N		N	No
CAP-3	0/17	100%	0.001-0.01	0.00139	0.001	0.004	5.0022	0.000004814		1.223	0.015	mg/L	N	0	0	NA NA	NA	NA		0.010	N		N		N	No
CAP-5	15/17	12%	0.0025-0.01	0.00606	0.0061	0.00864	0.0083	0.000003046		0.2879	0.015	mg/L	N	0	0	No	No	Increasing		0.010	N		N		N	No
CAP-7	0/17	100%	0.001-0.01	0.00232	0.001	0.01	ava ava	0.000008686		1.268	0.015	mg/L	N	0	0	NA	NA	NA		0.010	N		N		N	No
CAP-9	16/17	6%	0.01-0.01	0.0112	0.0113	0.01562	0.0165	0.000009553	4	0.2756	0.015	mg/L	Υ	2	0	Yes	No	Increasing		0.010	N		N		N	No
CAF-3																					L. L.					

HALEY & ALDRICH, INC. DECEMBER 2022

TABLE I CGS BOTTOM ASH POND SUMMER 2022 SEMIANNUAL CORRECTIVE ACTION MONITORING DATA

																	ENTIRE DATA						Inter-we	ell Analysis			
ocation Id	Frequency of Detection	Percent Non-Detects	Range of Non- Detect	Mean	50th Percentile (Median)	95th Percentile	Maximum Detect	Variance	Standard Deviation	Coefficient of Variance	CCR MCL/RSL	Report Result Unit	Detection Exceedances (Y/N)	Number of Detection Exceedances	Number of Non-Detection Exceedances	Outlier Presence	Outlier Removed	Trend	Distribution Well*	June 2022 Concentrations	Detect?	95% LCL	Upper Tolerance Limit	SSI	GWPS (Higher of MCL/RSL or Upper Tolerance Limit)	Exceedance above Background at Individual Well	SSL
							CCR Appendix	k-IV: Lithium, Tota	al (mg/L)																		
CBW-1	1/19	95%	0.005-0.02	0.00977	0.01	0.011	0.00066	0.00001174	0.003426	0.3506	0.04	mg/L	N	0	0	Yes	No	NA	Non-parametric				0.02		0.04		
PM-1	1/19	95%	0.005-0.01	0.00941	0.01	0.01	0.0037	0.000003221	0.001795	0.1908	0.04	mg/L	N	0	0	No	No I	NA	l von parametric				0.02		0.04		
CAP-1	18/18	0%	-	0.0932	0.0987	0.1215	0.13	0.0007348	0.02711	0.291	0.04	mg/L	Υ	17	0	No	No	Stable		0.098	Y			Υ		Υ	Yes
CAP-3	14/18	22%	0.01-0.05	0.0136	0.011	0.02204	0.0171	0.00008578	0.009262	0.6799	0.04	mg/L	N	0	1	Yes	No	Stable		0.010	Y			N		N	No
CAP-5	17/18	6%	0.01-0.01	0.013	0.012	0.01657	0.0198	0.000004686	0.002165	0.1664	0.04	mg/L	N	0	0	Yes	No	Increasing		0.012	Y			N		N	No
CAP-7	0/18	100%	0.005-0.05	0.0119	0.01	0.016		0.00009158	0.00957	0.8012	0.04	mg/L	N	0	1	NA	NA	NA		0.010	N			N		N	No
CAP-9	19/19	0%	-	0.0626	0.062	0.07396	0.0898	0.00009174	0.009578	0.153	0.04	mg/L	Y	18	0	Yes	No	Stable		0.038	Y			Υ		N	No
							CCR Appendix	-IV: Mercury, Tot	al (mg/L)																		
BW-1	0/19	100%	0.0002-0.001	0.000242	0.0002	0.00028		3.368E-08	0.0001835	0.7581	0.002	mg/L	N	0	0	NA	NA	NA	NA				0.001		0.002		
PM-1	0/19	100%	0.0002-0.001	0.000242	0.0002	0.00028		3.368E-08	0.0001835	0.7581	0.002	mg/L	N	0	0	NA	NA	NA	INA				0.001		0.002		
CAP-1	0/16	100%	0.0002-0.001	0.00025	0.0002	0.0004		0.00000004	0.0002	0.8	0.002	mg/L	N	0	0	NA	NA	NA		0.0002	N			N		N	No
CAP-3	0/17	100%	0.0002-0.001	0.000247	0.0002	0.00036		3.765E-08	0.000194	0.7854	0.002	mg/L	N	0	0	NA	NA	NA		0.0002	N			N		N	No
CAP-5	0/17	100%	0.0002-0.001	0.000247	0.0002	0.00036		3.765E-08	0.000194	0.7854	0.002	mg/L	N	0	0	NA	NA	NA		0.0002	N			N		N	No
CAP-7	3/17	82%	0.0002-0.001	0.000256	0.0002	0.000416	0.00027	3.719E-08	0.0001928	0.7536	0.002	mg/L	N	0	0	NA	NA	NA		0.0003	Υ			N		N	No
CAP-9	2/17	88%	0.0002-0.001	0.000261	0.0002	0.000464	0.00033	3.778E-08	0.0001944	0.7459	0.002	mg/L	N	0	0	Yes	No	NA		0.0002	N			N		N	No
						CCI	R Appendix-IV	/: Molybdenum, 1	otal (mg/L)																		
CBW-1	0/17	100%	0.005-0.02	0.0103	0.01	0.012		0.000007721	0.002779	0.2699	0.1	mg/L	N	0	0	NA	NA	NA	NA				0.02		0.10		
PM-1	0/17	100%	0.005-0.01	0.00971	0.01	0.01		0.000001471	0.001213	0.1249	0.1	mg/L	N	0	0	NA	NA	NA	19/				0.02		0.10		
CAP-1	0/14	100%	0.005-0.01	0.00964	0.01	0.01		0.000001786	0.001336	0.1386	0.1	mg/L	N	0	0	NA	NA	NA		0.010	N			N		N	N
CAP-3	0/14	100%	0.005-0.01	0.00964	0.01	0.01		0.000001786	0.001336	0.1386	0.1	mg/L	N	0	0	NA	NA	NA		0.010	N			N		N	N
CAP-5	0/14	100%	0.005-0.01	0.00964	0.01	0.01		0.000001786	0.001336	0.1386	0.1	mg/L	N	0	0	NA	NA	NA		0.010	N			N		N	No
CAP-7	0/14	100%	0.005-0.05	0.0125	0.01	0.024		0.0001183	0.01088	0.87	0.1	mg/L	N	0	0	NA	NA	NA		0.010	N			N		N	No
CAP-9	0/14	100%	0.005-0.04	0.0118	0.01	0.0205		0.00006772	0.008229	0.6982	0.1	mg/L	N	0	0	NA	NA	NA		0.010	N			N		N	No
						CC	R Appendix-I	V: Radium-226 &	228 (pCi/L)																		
CBW-1	11/18	39%	4-4	3.3	4	5.464	6.34	2.864	1.692	0.5125	5	pCi/L	Υ	3	0	No	No	Decreasing	Non-parametric				16.3		16.3		
PM-1	12/18	33%	4-4	4.06	4	8.472	16.3	11.97	3.459	0.8517	5	pCi/L	Y	2	0	Yes	No	Decreasing	Non-parametric				10.5		10.5		
CAP-1	9/17	47%	4-4	3.36	4	5.16	5.24	1.603	1.266	0.3767	5	pCi/L	Y	2	0	No	No	Decreasing		3.360	Υ			N		N	No
CAP-3	10/17	41%	4-4	3.18	4	4.256	4.48	1.587	1.26	0.3957	5	pCi/L	N	0	0	No	No	Decreasing		3.860	Υ			N		N	No
CAP-5	18/18	0%	-	16.6	17.35	19.94	21.3	11.8	3.435	0.2071	5	pCi/L	Y	18	0	No	No	Stable		11.400	Υ			N		N	No
CAP-7	13/17	24%	4-4	3.86	4	6.104	6.56	2.501	1.582	0.4097	5	pCi/L	Y	5	0	No	No	Stable		1.990	Υ			N		N	No
CAP-9	12/17	29%	4-4	3.89	4	5.926	7.31	1.965	1.402	0.3607	5	pCi/L	Y	2	0	Yes	No	Stable		3.400	Υ			N		N	No
						C	CR Appendix	-IV: Selenium, To	tal (mg/L)																		
CBW-1	0/19	100%	0.01-0.05	0.0135	0.01	0.023		0.00008916	0.009442	0.7019	0.05	mg/L	N	0	1	NA	NA	NA	NA				0.05		0.05		
PM-1	0/19	100%	0.005-0.02	0.0113	0.01	0.02		0.00001623	0.004028	0.356	0.05	mg/L	N	0	0	NA	NA	NA	14/5				0.03		0.05		
CAP-1	0/15	100%	0.005-0.02	0.0117	0.01	0.02		0.00002024	0.004499	0.3856	0.05	mg/L	N	0	0	NA	NA	NA		0.020	N			N		N	No
CAP-3	0/15	100%	0.005-0.02	0.0117	0.01	0.02		0.00002024	0.004499	0.3856	0.05	mg/L	N	0	0	NA	NA	NA		0.020	N			N		N	No
CAP-5	0/15	100%	0.005-0.02	0.0117	0.01	0.02		0.00002024	0.004499	0.3856	0.05	mg/L	N	0	0	NA	NA	NA		0.020	N			N		N	No
CAP-7	0/15	100%	0.005-0.02	0.0117	0.01	0.02		0.00002024	0.004499	0.3856	0.05	mg/L	N	0	0	NA	NA	NA		0.020	N			N		N	No
CAP-9	2/15	87%	0.01-0.02	0.0135	0.01	0.0233	0.031	0.00003984	0.006312	0.4664	0.05	mg/L	N	0	0	No	No	NA		0.020	N			N		N	No
						(CCR Appendix	-IV: Thallium, Tot	al (mg/L)																		
CBW-1	0/17	100%	0.001-0.001	0.001	0.001	0.001		0	0	0	0.002	mg/L	N	0	0	NA	NA	NA	NA				0.010		0.010		
PM-1	0/17	100%	0.001-0.01	0.00153	0.001	0.0028		0.000004765	0.002183	1.427	0.002	mg/L	N	0	1	NA	NA	NA	IVA				0.010		0.010		
CAP-1	0/14	100%	0.001-0.001	0.001	0.001	0.001		0	0	0	0.002	mg/L	N	0	0	NA	NA	NA	1-7	0.001	N			N		N	No
CAP-3	0/14	100%	0.001-0.001	0.001	0.001	0.001		0	0	0	0.002	mg/L	N	0	0	NA	NA	NA		0.001	N			N		N	N
CAP-5	0/14	100%	0.001-0.001	0.001	0.001	0.001		0	0	0	0.002	mg/L	N	0	0	NA	NA	NA		0.001	N			N		N	No
CAP-7	0/14	100%	0.001-0.001	0.001	0.001	0.001		0	0	0	0.002	mg/L	N	0	0	NA	NA	NA		0.001	N			N		N	No
CAP-9	0/14	100%	0.001-0.001	0.001	0.001	0.001		0	0	0	0.002	mg/L	N	0	0	NA	NA	NA		0.001	N			N		N	No

HALEY & ALDRICH, INC. DECEMBER 2022

Appendix B – Laboratory Analytical Reports



One Riverwood Drive P.O. Box 2946101 Moncks Corner, SC 29461-2901 (843) 761-8000

SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

Sample # AF24801

Location: GW Well PM-1

Date: 01/24/2022

Sample Collector: BRT/BSB

Loc. Code PM-1

Time: 11:40

			Tillier Tilito		
Analysis	Result	Units	Test Date	Analyst	Method
Aluminum	< 0.05	mg/L	02/15/2022	SJHATCHE	EPA 6010C
Antimony	<10.0	ug/L	02/16/2022	SJHATCHE	EPA 6010D
Arsenic	<10.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D
Arsenic Dissolved	<10.0	ug/L	02/16/2022	SJHATCHE	EPA 6010C
Barium	82.6	ug/L	02/15/2022	SJHATCHE	EPA 6010D
Beryllium	<5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B
Boron	11.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D
Cadmium	<5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B
Calcium	14.4	mg/L	02/15/2022	SJHATCHE	EPA 6010D
Cobalt	<5.00	ug/L	02/16/2022	SJHATCHE	EPA 6010D
Iron	11900	ug/L	02/15/2022	SJHATCHE	EPA 6010D
Lead	<10.0	ug/L	02/16/2022	SJHATCHE	EPA 6010D
Lithium	3.7	ug/L	02/16/2022	PACE	EPA 6010D
Magnesium	0.73	mg/L	02/15/2022	SJHATCHE	EPA 6010D
Mercury	< 0.20	ug/L	02/17/2022	PACE	EPA 7470
Molybdenum	<5.0	ug/L	02/15/2022	PACE	EPA 6010D
Potassium	<1	mg/L	02/28/2022	TESTAMERICA	EPA 6010D
Selenium	<5	ug/L	04/26/2022	EUROFINS SAV	EPA 6020B
Sodium	5.510	mg/L	02/28/2022	TESTAMERICA	EPA 6010D
Zinc	<10.0	ug/L	02/16/2022	SJHATCHE	EPA 6010D
Thallium	<10	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B
Total Dissolved Solids	128.8	mg/L	01/28/2022	KCWELLS	SM 2540C
Fluoride	<0.10	mg/L	01/26/2022	KCWELLS	EPA 300.0
Chloride	12.1	mg/L	01/26/2022	KCWELLS	EPA 300.0
Sulfate	11.7	mg/L	01/26/2022	KCWELLS	EPA 300.0
Radium 226	2.14	pCi/L	02/11/2022	GEL	EPA 903.1 Mod
Radium 228	0.540	pCi/L	02/10/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	2.69	pCi/L	02/21/2022	GEL	EPA 903.1 Mod
pН	5.19	SU	01/24/2022	BRT/BSB	

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "Davis Brown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

Linda Villians



One Riverwood Drive P.O. Box 2946101 Moncks Comer, SC 29491-2901 (843) 761-8000

SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

Sample # AF24776

Location: GW Well CBW-1

Date: 01/24/2022

Sample Collector: BRT/BSB

Loc. Code CBW-1

Time: 09:54

			- A		
Analysis	Result	Units	Test Date	Analyst	Method
Aluminum	0.91	mg/L	03/01/2022	SJHATCHE	EPA 6010C
Arsenic	<3	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Arsenic Dissolved	<10.0	ug/L	02/17/2022	SJHATCHE	EPA 6010C
Barium	37.7	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Beryllium	<0.5	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Beryllium	<10.0	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Boron	13.9	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Cadmium	<0.5	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Calcium	27.9	mg/L	03/01/2022	SJHATCHE	EPA 6010D
Cobalt	0.73	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
fron	66.0	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Lead	2.7	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Lithium	0.66	ug/L	02/16/2022	PACE	EPA 6010D
Magnesium	2.24	mg/L	03/01/2022	SJHATCHE	EPA 6010D
Mercury	<0.20	ug/L	02/17/2022	PACE	EPA 7470
Molybdenum	<5.0	ug/L	02/15/2022	PACE	EPA 6010D
Potassium	<1	mg/L	03/07/2022	TESTAMERICA	EPA 6010D
Antimony	<5	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Selenium	<15.6	ug/L	04/22/2022	EUROFINS SAV	EPA 6020B
Sodium	2.380	mg/L	03/07/2022	TESTAMERICA	EPA 6010D
Zinc	<10.0	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Thallium	<1	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Total Dissolved Solids	130.0	mg/L	01/28/2022	KCWELLS	SM 2540C
Fluoride	0.22	mg/L	01/26/2022	KCWELLS	EPA 300.0
Chloride	3.21	mg/L	01/26/2022	KCWELLS	EPA 300.0
Sulfate	82.8	mg/L	01/26/2022	KCWELLS	EPA 300.0
Radium 226	0.640	pCi/L	02/11/2022	GEL	EPA 903.1 Mod
Radium 228	1.80	pCi/L	02/10/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	2.44	pCi/L	02/21/2022	GEL	EPA 903.1 Mod
pH	4.26	SU	01/24/2022	BRT/BSB	

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

Lindallellars



One Riverwood Drive P.O. Box 2946101 Moncks Corner, SC 29461-2901 (843) 761-8000

SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

Sample # AF24761

Location: GW Well CAP- 1

Date: 02/07/2022

Sample Collector: BRT/BSB

Loc. Code CAP-1

Time: 09:51

Edd. Gode OAI 1			11116. 00.01		
Analysis	Result	Units	Test Date	Analyst	Method
Aluminum	9.06	mg/L	02/15/2022	SJHATCHE	EPA 6010C
Arsenic	<3	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B
Arsenic Dissolved	<10.0	ug/L	02/16/2022	SJHATCHE	EPA 6010C
Barium	25.9	ug/L	02/15/2022	SJHATCHE	EPA 6010D
Beryllium	10.6	ug/L	02/15/2022	SJHATCHE	EPA 6010D
Cadmium	<0.5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B
Calcium	351	mg/L	02/15/2022	SJHATCHE	EPA 6010D
Cobalt	14.4	ug/L	02/15/2022	SJHATCHE	EPA 6010D
Chromium	<5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B
Iron	40800	ug/L	02/15/2022	SJHATCHE	EPA 6010D
Lead	<2.5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B
Lithium	118	ug/L	02/15/2022	SJHATCHE	EPA 6010D
Magnesium	10.6	mg/L	02/15/2022	SJHATCHE	EPA 6010D
Mercury	<0.20	ug/L	02/25/2022	PACE	EPA 7470
Molybdenum	<5.00	ug/L	02/15/2022	SJHATCHE	EPA 6010D
Potassium	1.0100	mg/L	02/28/2022	TESTAMERICA	EPA 6010D
Antimony	<5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/L	04/26/2022	EUROFINS SAV	EPA 6020B
Sodium	71.00	mg/L	02/28/2022	TESTAMERICA	EPA 6010D
Thallium	<1	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B
Total Dissolved Solids	1560	mg/L	02/10/2022	KCWELLS	SM 2540C
Fluoride	1.88	mg/L	02/14/2022	KCWELLS	EPA 300.0
Chloride	217	mg/L	02/14/2022	KCWELLS	EPA 300.0
Sulfate	760	mg/L	02/14/2022	KCWELLS	EPA 300.0
Radium 226	0.552	pCi/L	03/07/2022	GEL	EPA 903.1 Mod
Radium 228	2.45	pCi/L	03/08/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	3.00	pCi/L	03/10/2022	GEL	EPA 903.1 Mod
рН	4.87	SU	02/07/2022	BRT/BSB	

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Calicot, Inc.- Lab ID # 23105001

Analysis Validated:

Lindal Dellars



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SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

Sample # AF24763

Location: GW Well CAP-3

Date: 02/07/2022

Sample Collector: BRT/BSB

Loc. Code CAP-3

Time: 16:02

Analysis	Result	Units	Test Date	Analyst	Method
Aluminum	< 0.05	mg/L	02/15/2022	SJHATCHE	EPA 6010C
Arsenic	<3	ug/L	04/28/2022	EUROFINS SAV	EPA 6020B
Arsenic Dissolved	<10.0	ug/L	02/16/2022	SJHATCHE	EPA 6010C
Barium	66.7	ug/L	02/15/2022	SJHATCHE	EPA 6010D
Beryllium	<0.5	ug/L	04/28/2022	EUROFINS SAV	EPA 6020B
Beryllium	<10.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D
Cadmium	<0.5	ug/L	04/28/2022	EUROFINS SAV	EPA 6020B
Calcium	646	mg/L	02/15/2022	SJHATCHE	EPA 6010D
Cobalt	31.2	ug/L	02/15/2022	SJHATCHE	EPA 6010D
Chromium	<5	ug/L	04/28/2022	EUROFINS SAV	EPA 6020B
Iron	1440	ug/L	02/15/2022	SJHATCHE	EPA 6010D
Lead	<2.5	ug/L	04/28/2022	EUROFINS SAV	EPA 6020B
Lithium	17.1	ug/L	02/15/2022	SJHATCHE	EPA 6010D
Magnesium	65.9	mg/L	02/15/2022	SJHATCHE	EPA 6010D
Mercury	< 0.20	ug/L	02/25/2022	PACE	EPA 7470
Molybdenum	<5.00	ug/L	02/15/2022	SJHATCHE	EPA 6010D
Potassium	5.8300	mg/L	02/28/2022	TESTAMERICA	EPA 6010D
Antimony	<5	ug/L	04/28/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/L	04/26/2022	EUROFINS SAV	EPA 6020B
Sodium	94.30	mg/L	02/28/2022	TESTAMERICA	EPA 6010D
Thallium	<1 ·	ug/L	04/28/2022	EUROFINS SAV	EPA 6020B
Total Dissolved Solids	3028	mg/L	02/14/2022	KCWELLS	SM 2540C
Fluoride	<0.10	mg/L	02/14/2022	KCWELLS	EPA 300.0
Chloride	656	mg/L	02/14/2022	KCWELLS	EPA 300.0
Sulfate	909	mg/L	02/14/2022	KCWELLS	EPA 300.0
Radium 226	0.295	pCi/L	03/07/2022	GEL	EPA 903.1 Mod
Radium 228	0.923	pCi/L	03/08/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	1.22	pCi/L	03/10/2022	GEL	EPA 903.1 Mod
pН	6.38	su	02/07/2022	BRT/BSB	

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

Lindal Wlas



SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

Sample # AF24765

Location: GW Well CAP-5

Date: 02/03/2022

Sample Collector: MDG/BSB

Loc. Code CAP-5

Time: 12:10

Analysis	Result	Units	Test Date	Analyst	Method	
Aluminum	< 0.05	mg/L	02/15/2022	SJHATCHE	EPA 6010C	
Arsenic	<3	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Arsenic Dissolved	<10.0	ug/L	02/16/2022	SJHATCHE	EPA 6010C	
Barium	1550	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Beryllium	6.4	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Beryllium	<10.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Cadmium	<0.5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Calcium	142	mg/L	02/15/2022	SJHATCHE	EPA 6010D	
Cobalt	17.40	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Chromium	<5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Iron	133000	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Lead	8.3	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Lithium	19.8	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Magnesium	4.15	mg/L	02/15/2022	SJHATCHE	EPA 6010D	
Mercury	< 0.20	ug/L	03/01/2022	PACE	EPA 7470	
Molybdenum	<5.00	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Potassium	<1	mg/L	02/28/2022	TESTAMERICA	EPA 6010D	
Antimony	<5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Selenium	<5	ug/L	04/26/2022	EUROFINS SAV	EPA 6020B	
Sodium	81.30	mg/L	02/28/2022	TESTAMERICA	EPA 6010D	
Thallium	<1	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Total Dissolved Solids	1469	mg/L	02/11/2022	COAMESWA	SM 2540C	
Fluoride	0.53	mg/L	02/14/2022	KCWELLS	EPA 300.0	
Chloride	646	mg/L	02/14/2022	KCWELLS	EPA 300.0	
Sulfate	5.57	mg/L	02/14/2022	KCWELLS	EPA 300.0	
Radium 226	5.19	pCi/L	03/07/2022	GEL	EPA 903.1 Mod	
Radium 228	12.1	pCi/L	03/10/2022	GEL	EPA 904.0	
Radium 226/228 Combined Calculation	17.2	pCi/L	03/10/2022	GEL	EPA 903.1 Mod	
pН	3.96	SU	02/03/2022	MDG/BSB		

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

Linda Villary



SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

Sample # AF24767 Location: GW Well CAP-7 Date: 02/03/2022 Sample Collector: MDG/BSB

Time: 14:30

Loc. Code CAP-7

90.00000000000000000000000000000000000	STREET, TOURISHOUSE					
Analysis	Result	Units	Test Date	Analyst	Method	
Aluminum	0.15	mg/L	02/15/2022	SJHATCHE	EPA 6010C	
Arsenic	10.3	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Arsenic Dissolved	<10.0	ug/L	02/16/2022	SJHATCHE	EPA 6010C	
Barium	40.8	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Beryllium	<0.5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Beryllium	<10.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Cadmium	<0.5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Calcium	1110	mg/L	02/16/2022	SJHATCHE	EPA 6010D	
Cobalt	10.90	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Chromium	<5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
fron	237000	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Lead	<2.5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Lithium	<5.00	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Magnesium	352	mg/L	02/15/2022	SJHATCHE	EPA 6010D	
Mercury	<0.20	ug/L	03/01/2022	PACE	EPA 7470	
Molybdenum	<5.00	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Potassium	28.4000	mg/L	02/28/2022	TESTAMERICA	EPA 6010D	
Antimony	<5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Selenium	<5	ug/L	04/26/2022	EUROFINS SAV	EPA 6020B	
Sodium	191.0	mg/L	02/28/2022	TESTAMERICA	EPA 6010D	
Thallium	<1	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Total Dissolved Solids	6481	mg/L	02/10/2022	KCWELLS	SM 2540C	
Fluoride	0.83	mg/L	03/04/2022	KCWELLS	EPA 300.0	
Chloride	2630	mg/L	03/04/2022	KCWELLS	EPA 300.0	
Sulfate	1670	mg/L	03/04/2022	KCWELLS	EPA 300.0	
Radium 226	0.447	pCi/L	03/07/2022	GEL	EPA 903.1 Mod	
Radium 228	1.57	pCi/L	03/08/2022	GEL	EPA 904.0	
Radium 226/228 Combined Calculation	2.02	pCi/L	03/10/2022	GEL	EPA 903.1 Mod	
pН	5.61	SU	02/03/2022	MDG/BSB		

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID# 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "Davis Brown"- Davis & Brown Lab ID# 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID# 23105001

Analysis Validated:

Linda Volliers



Sample Collector: BRT/BSB

SANTEE COOPER ANALYTICAL SERVICES **CERTIFICATE OF ANALYSIS** LAB CERTIFICATION #08552

Location: GW Well CAP-9 Date: 02/08/2022 Sample # AF24769

ř	0-1-	CADO
LOC.	Code	CAP-9

Time: 13:03

#####################################	est Date	Analyst	Method
Al	14 E 10000		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Aluminum 22.8 mg/L 02	2/15/2022	SJHATCHE	EPA 6010C
Arsenic 12.6 ug/L 02	2/15/2022	SJHATCHE	EPA 6010D
Arsenic Dissolved <10.0 ug/L 02	2/16/2022	SJHATCHE	EPA 6010C
Barium 28.7 ug/L 02	2/15/2022	SJHATCHE	EPA 6010D
Beryllium 19.6 ug/L 02	2/15/2022	SJHATCHE	EPA 6010D
Cadmium <0.5 ug/L 04	4/27/2022 EU	ROFINS SAV	EPA 6020B
Calcium 509 mg/L 02	2/15/2022	SJHATCHE	EPA 6010D
Cobalt 15.5 ug/L 02	2/15/2022	SJHATCHE	EPA 6010D
Chromium <5 ug/L 04	4/27/2022 EU	ROFINS SAV	EPA 6020B
Iron 84900 ug/L 02	2/15/2022	SJHATCHE	EPA 6010D
Lead 16.5 ug/L 02	2/15/2022	SJHATCHE	EPA 6010D
Lithium 89.8 ug/L 02	2/15/2022	SJHATCHE	EPA 6010D
Magnesium 50.2 mg/L 02	2/15/2022	SJHATCHE	EPA 6010D
Mercury <0.20 ug/L 02	2/25/2022	PACE	EPA 7470
Molybdenum <5.00 ug/L 02	2/15/2022	SJHATCHE	EPA 6010D
Potassium 10.3000 mg/L 02	2/28/2022 TE	STAMERICA	EPA 6010D
Antimony <5 ug/L 04	4/27/2022 EU	ROFINS SAV	EPA 6020B
Selenium 12 ug/L 04	4/ 26/202 2 EU	ROFINS SAV	EPA 6020B
Sodium 142.0 mg/L 02	2/28/2022 TE	STAMERICA	EPA 6010D
Thallium <1 ug/L 04	4/27/2022 EU	ROFINS SAV	EPA 6020B
Total Dissolved Solids 3205 mg/L 02	2/11/2022	KCWELLS	SM 2540C
Fluoride 1.45 mg/L 02	2/10/2022	KCWELLS	EPA 300.0
Chloride 1260 mg/L 02	2/10/2022	KCWELL\$	EPA 300.0
Sulfate 742 mg/L 02	2/10/2022	KCWELLS	EPA 300.0
Radium 226 0.687 pCi/L 03	3/07/2022	GEL	EPA 903.1 Mo
Radium 228 1.10 pCi/L 03	3/08/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation 1.79 pCi/L 03	3/10/2022	GEL	EPA 903.1 Mo
pH 3.61 SU 02	2/08/2022	BRT/BSB	

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories , Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:



SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

Sample # AF24770 Location: GW Well CAP-9 Date: 02/08/2022 Sample Collector: BRT/BSB

Loc. Code CAP-9 Time: 13:08

Loc. Code CAP-9	DUP Time: 13:08					
Analysis	Result	Units	Test Date	Analyst	Method	
Aluminum	22.0	mg/L	02/15/2022	SJHATCHE	EPA 6010C	
Arsenic	11.9	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Arsenic Dissolved	<10.0	ug/L	02/16/2022	SJHATCHE	EPA 6010C	
Barium	31.5	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Beryllium	18.7	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Cadmium	<0.5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Calcium	504	mg/L	02/15/2022	SJHATCHE	EPA 6010D	
Cobalt	16.8	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Chromium	<5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Iron	81300	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Lead	15 .5	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Lithium	89.9	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Magnesium	49.3	mg/L	02/15/2022	SJHATCHE	EPA 6010D	
Mercury	<0.20	ug/L	02/25/2022	PACE	EPA 7470	
Molybdenum	< 5.00	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Potassium	10.1000	mg/L	02/28/2022	TESTAMERICA	EPA 6010D	
Antimony	<5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Selenium	11	ug/L	04/26/2022	EUROFINS SAV	EPA 6020B	
Sodium	140.0	mg/L	02/28/2022	TESTAMERICA	EPA 6010D	
Thallium	<1	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Total Dissolved Solids	3119	mg/L	02/11/2022	KCWELLS	SM 2540C	
Fluoride	1.37	mg/L	02/10/2022	KCWELLS	EPA 300.0	
Chloride	1160	mg/L	02/10/2022	KCWELLS	EPA 300.0	
Sulfate	662	mg/L	02/10/2022	KCWELLS	EPA 300.0	
Radium 226	0.557	pCi/L	03/07/2022	GEL	EPA 903.1 Mod	
Radium 228	2.83	pCi/L	03/08/2022	GEL	EPA 904.0	
Radium 226/228 Combined Calculation	3.39	pCi/L	03/10/2022	GEL	EPA 903.1 Mod	

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "Davis Brown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

Lindallean



Sample # AF24780

Location: GW Well CCMAP-1

Date: 02/10/2022

Sample Collector: BRT/BSB

Loc. Code CCMAP-1

Time: 09:52

	April 1990					
Analysis	Result	Units	Test Date	Analyst	Method	
Arsenic	<3	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B	
Bari um	62.6	ug/L	02/24/2022	SJHATCHE	EPA 6010D	
Beryllium	< 0.5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B	
Boron	<10.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D	
Cadmium	< 0.5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B	
Calcium	51.8	mg/L	02/24/2022	SJHATCHE	EPA 6010D	
Cobalt	<0.5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B	
Chromium	<5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B	
Lead	<2.5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B	
Lithium	<5.00	ug/L	02/24/2022	SJHATCHE	EPA 6010D	
Mercury	< 0.20	ug/L	02/25/2022	PACE	EPA 7470	
Mołybdenum	<5.00	ug/L	02/24/2022	SJHATCHE	EPA 6010D	
Antimony	<5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B	
Selenium	<5	ug/L	04/22/2022	EUROFINS SAV	EPA 6020B	
Thallium	<1	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B	
Total Dissolved Solids	191.2	mg/L	02/16/2022	KCWELLS	SM 2540C	
Fluoride	<0.10	mg/L	02/16/2022	KCWELLS	EPA 300.0	
Chloride	5.91	mg/L	02/16/2022	KCWELLS	EPA 300.0	
Sulfate	<2.0	mg/L	02/16/2022	KCWELLS	EPA 300.0	
Radium 226	0.560	pCi/L	03/06/2022	GEL	EPA 903.1 Mod	
Radium 228	0.990	pCi/L	03/11/2022	GEL	EPA 904.0	
Radium 226/228 Combined Calculation	1.54	pCi/L	03/12/2022	GEL	EPA 903.1 Mod	
pH	7.17	SU	02/10/2022	BRT/BSB		

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America " - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

Lindal alleans



Sample # AF24781 Location: GW Well CCMAP-2 Date: 02/09/2022 Sample Collector: BRT/BSB

Loc. Code CCMAP-2 Time: 13:36

DECEMBER OF STREET	+ 20 × 20 × 20 × 20 × 20 × 20 × 20 × 20				
Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Barium	13.9	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Beryllium	<0.5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Boron	<10.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Cadmium	<0.5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Calcium	3.14	rng/L	02/24/2022	SJHATCHE	EPA 6010D
Cobalt	1.44	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Lead	<2.5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Lithium	<5.00	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Mercury	< 0.20	ug/L	02/25/2022	PACE	EPA 7470
Molybdenum	<5.00	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Antimony	<5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/L	04/22/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Total Dissolved Solids	46.25	mg/L	02/11/2022	KCWELLS	SM 2540C
Fluoride	<0.10	mg/L	02/15/2022	KCWELLS	EPA 300.0
Chloride	6.15	mg/L	02/10/2022	KCWELLS	EPA 300.0
Sulfate	<2.0	mg/L	02/10/2022	KCWELLS	EPA 300.0
Radium 226	0.604	pCi/L	03/07/2022	GEL	EPA 903.1 Mod
Radium 226	0.641	pCi/L	03/08/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	1.24	pCi/L	03/10/2022	GEL	EPA 903.1 Mod
pH	5.42	SU	02/09/2022	BRT/BSB ,	

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

Lindalellars



Sample # AF24782

Location: GW Well CCMAP-3

Date: 02/09/2022

Sample Collector: BRT/BSB

Loc. Code CCMAP-3

Time: 11:25

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Barium	52.6	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Beryllium	<0.5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Boron	16900	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Cadmium	<0.5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Calcium	844	mg/L	02/24/2022	SJHATCHE	EPA 6010D
Cobalt	0.56	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Lead	<2.5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Lithium	33.8	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Mercury	<0.20	ug/L	02/25/2022	PACE	EPA 7470
Molybdenum	<5.00	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Antimony	<5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/L	04/22/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Total Dissolved Solids	4614	mg/L	02/11/2022	KCWELLS	SM 2540C
Fluoride	0.15	mg/L	02/10/2022	KCWELLS	EPA 300.0
Chloride	1250	mg/L	02/10/2022	KCWELLS	EPA 300.0
Sulfate	1370	mg/L	02/10/2022	KCWELLS	EPA 300.0
Radium 226	0.894	pCi/L	03/07/2022	GEL	EPA 903.1 Mod
Radium 228	2.64	pCi/L	03/08/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	3.54	pCi/L	03/10/2022	GEL	EPA 903.1 Mod
pН	6.54	SU	02/09/2022	BRT/BSB	

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID# 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "Davis Brown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

Lindale Whan



Sample # AF24783 Location: GW Well CCMAP-4 Date: 02/10/2022 Sample Collector: BRT/BSB

Loc. Code CCMAP-4 Time: 14:28

	P. S				
Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Barium	165	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Beryllium	<0.5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Boron	34.6	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Cadmium	<0.5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Calcium	88.8	mg/L	02/24/2022	SJHATCHE	EPA 6010D
Cobalt	5.91	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Lead	<2.5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Lithium	<5.00	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Mercury	<0.20	ug/L	02/25/2022	PACE	EPA 7470
Molybdenum	<5.00	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Antimony	<5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/L	04/22/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Total Dissolved Solids	371.2	mg/L	02/16/2022	KCWELLS	SM 2540C
Fluoride	0.11	mg/L	02/16/2022	KCWELLS	EPA 300.0
Chloride	57.4	mg/L	02/16/2022	KCWELLS	EPA 300.0
Sulfate	7.79	mg/L	02/16/2022	KCWELLS	EPA 300.0
Radium 226	0.678	pCi/L	03/06/2022	GEL	EPA 903.1 Mod
Radium 228	2.36	pCi/L	03/11/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	3.04	pCi/L	03/12/2022	GEL	EPA 903.1 Mod
pH	6.53	SU	02/10/2022	BRT/BSB	

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

Lindalellan



SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

Sample # AF24784

Location: GW Well CCMAP-4

Date: 02/10/2022

Sample Collector: BRT/BSB

Loc. Code CCMAP-4

DUP

Time: 14:33

	IUP	33			
Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Barium	162	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Beryllium	<0.5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Boron	30.2	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Cadmium	<0.5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Calcium	86.0	mg/L	02/24/2022	SJHATCHE	EPA 6010D
Cobalt	5.90	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Cobalt	<5.00	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Chromium	<5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Lead	<2.5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Lithium	<5.00	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Mercury	<0.20	ug/L	02/25/2022	PACE	EPA 7470
Molybdenum	<5.00	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Antimony	<5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/L	04/22/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Total Dissolved Solids	378.8	mg/L	02/16/2022	COAMESWA	SM 2540C
Fluoride	0.11	mg/L	02/16/2022	KCWELLS	EPA 300.0
Chloride	56.4	mg/L	02/16/2022	KCWELLS	EPA 300.0
Sulfate	7.61	mg/L	02/16/2022	KCWELLS	EPA 300.0
Radium 226	0.507	pCi/L	03/06/2022	GEL	EPA 903.1 Mod
Radium 228	0.529	pCi/L	03/11/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	1.04	pCi/L	03/12/2022	GEL	EPA 903.1 Mod

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

Lindalellans



Sample # AF24785

Location: GW Well CCMAP-5

Date: 02/10/2022

Sample Collector: BRT/BSB

Loc. Code CCMAP-5

Time: 15:40

Analysis	Result	Units	Test Date	Analyst	Method	
Arsenic	<3	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B	
Barium	200	ug/L	02/24/2022	SJHATCHE	EPA 6010D	
Beryllium	<0.5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B	
Boron	11.2	ug/L	02/24/2022	SJHATCHE	EPA 6010D	
Cadmium	<0.5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B	
Calcium	127	mg/L	02/24/2022	SJHATCHE	EPA 6010D	
Cobalt	6.66	ug/L	02/24/2022	SJHATCHE	EPA 6010D	
Chromium	<5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B	
Lead	<2.5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B	
Lithium	11.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D	
Mercury	< 0.20	ug/L	02/25/2022	PACE	EPA 7470	
Molybdenum	<5.00	ug/L	02/24/2022	SJHATCHE	EPA 6010D	
Antimony	<5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B	
Selenium	<5	ug/L	04/22/2022	EUROFINS SAV	EPA 6020B	
Thallium	<1	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B	
Total Dissolved Solids	461.2	mg/L	02/16/2022	KCWELLS	SM 2540C	
Fluoride	< 0.10	mg/L	02/18/2022	KCWELLS	EPA 300.0	
Chloride	25.5	mg/L	02/18/2022	KCWELLS	EPA 300.0	
Sulfate	7.84	mg/L	02/18/2022	KCWELLS	EPA 300.0	
Radium 226	0.878	pCi/L	03/06/2022	GEL	EPA 903.1 Mod	
Radium 228	0.424	pCi/L	03/11/2022	GEL	EPA 904.0	
Radium 226/228 Combined Calculation	1.30	pCi/L	03/12/2022	GEL	EPA 903.1 Mod	
pH	6.51	SU	02/10/2022	BRT/BSB		

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

Lindalellans

SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

Sample # AF24786

Location: GW Well CCMAP-6

Date: 02/09/2022

Sample Collector: BRT/BSB

Loc. Code CCMAP-6

Time: 10:17

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Analysis	Result	Units	Test Date	Analyst	Method	
Arsenic	<3	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B	
Barium	44.1	ug/L	02/24/2022	SJHATCHE	EPA 6010D	
Beryllium	5.1	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B	
Boron	10.6	ug/L	02/24/2022	SJHATCHE	EPA 6010D	
Cadmium	< 0.5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B	
Calcium	15.8	mg/L	02/24/2022	SJHATCHE	EPA 6010D	
Cobalt	36.5	ug/L	02/24/2022	SJHATCHE	EPA 6010D	
Chromium	<5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B	
Lead	<2.5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B	
Lithium	<5.00	ug/L	02/24/2022	SJHATCHE	EPA 6010D	
Mercury	< 0.20	ug/L	02/25/2022	PACE	EPA 7470	
Molybdenum	<5.00	ug/L	02/24/2022	SJHATCHE	EPA 6010D	
Antimony	<5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B	
Selenium	<5	ug/L	04/22/2022	EUROFINS SAV	EPA 6020B	
Thallium	<1	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B	
Total Dissolved Solids	307.5	mg/L	02/11/2022	KCWELLS	SM 2540C	
Fluoride	0.41	mg/L	02/10/2022	KCWELLS	EPA 300.0	
Chloride	<2.0	mg/L	02/10/2022	KCWELLS	EPA 300.0	
Sulfate	68.2	mg/L	02/10/2022	KCWELLS	EPA 300.0	
Radium 226	0.566	pCi/L	03/07/2022	GEL	EPA 903.1 Mod	
Radium 228	0.112	pCi/L	03/08/2022	GEL	EPA 904.0	
Radium 226/228 Combined Calculation	0.678	pCi/L	03/10/2022	GEL	EPA 903.1 Mod	
pΗ	4.68	SU	02/09/2022	BRT/BSB		

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

Linda Vellars



Sample # AF24787 Location: GW Well CCMAP-7

Date: 02/09/2022

Sample Collector: BRT/BSB

Loc. Code CCMAP-7

Time: 12:35

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Barium	33.7	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Beryllium	<0.5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Boron	10.5	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Cadmium	<0.5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Calcium	12.6	mg/L	02/24/2022	SJHATCHE	EPA 6010D
Cobalt	5.43	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Chromium	<5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Lead	<2.5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Lithium	<5.00	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Mercury	< 0.20	ug/L	02/25/2022	PACE	EPA 7470
Molybdenum	<5.00	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Antimony	<5	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/L	04/22/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	04/19/2022	EUROFINS SAV	EPA 6020B
Total Dissolved Solids	80.00	mg/L	02/11/2022	KCWELLS	SM 2540C
Fluoride	<0.10	mg/L	02/10/2022	KCWELLS	EPA 300.0
Chloride	9.16	mg/L	02/10/2022	KCWELLS	EPA 300.0
Sulfate	3.26	mg/L	02/10/2022	KCWELLS	EPA 300.0
Radium 226	0.268	pCi/L	03/07/2022	GEL	EPA 903.1 Mod
Radium 228	-0.290	pCi/L	03/08/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	0.268	pCi/L	03/10/2022	GEL	EPA 903.1 Mod
pH	5.80	SU	02/09/2022	BRT/BSB	

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

Lindailellars



CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF24764 Location: GW Well CAP-4 Date: 02/03/2022 Sample Collector: MDG/BSB

Loc. Code CAP-4 Time: 10:38

Loc. Code CAP-4	Time: 10:38						
Analysis	Result	Units	Test Date	Analyst	Method		
Aluminum	<0.05	mg/L	02/15/2022	SJHATCHE	EPA 6010C		
Arsenic	<3	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B		
Arsenic Dissolved	<10.0	ug/L	02/16/2022	SJHATCHE	EPA 6010C		
Barium	123	ug/L	02/15/2022	SJHATCHE	EPA 6010D		
Beryllium	<10.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D		
Beryllium	<0.5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B		
Calcium	723	mg/L	02/15/2022	SJHATCHE	EPA 6010D		
Cadmium	<0.5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B		
Cobalt	<0.5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B		
Chromium	<10.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D		
Chromium	<5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B		
Lead	<2.5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B		
Antimony	<5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B		
Antimony	<10.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D		
Selenium	<50.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D		
Selenium	<5	ug/L	04/26/2022	EUROFINS SAV	EPA 6020B		
Thallium	<50.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D		
Thallium	<1	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B		
Boron	11700	ug/L	02/15/2022	SJHATCHE	EPA 6010D		
Lithium	40.3	ug/L	02/15/2022	SJHATCHE	EPA 6010D		
Molybdenum	<5.00	ug/L	02/15/2022	SJHATCHE	EPA 6010D		
Mercury	<0.20	ug/L	03/01/2022	PACE	EPA 7470		
Iron	13300	ug/L	02/15/2022	SJHATCHE	EPA 6010D		
Potassium	12.6000	mg/L	02/28/2022	TESTAMERICA	EPA 6010D		
Sodium	131.0	mg/L	02/28/2022	TESTAMERICA	EPA 6010D		
Magnesium	82.5	mg/L	02/15/2022	SJHATCHE	EPA 6010D		
Fluoride	<0.10	mg/L	02/14/2022	KCWELLS	EPA 300.0		
Chloride	989	mg/L	02/14/2022	KCWELLS	EPA 300.0		
Sulfate	893	mg/L	02/14/2022	KCWELLS	EPA 300.0		
Total Dissolved Solids	3549	mg/L	02/09/2022	KCWELLS	SM 2540C		
Radium 226	0.430	pCi/L	03/07/2022	GEL	EPA 903.1 Mod		
Radium 228	1.03	pCi/L	03/08/2022	GEL	EPA 904.0		
Radium 226/228 Combined Calculation	1.46	pCi/L	03/10/2022	GEL	EPA 903.1 Mod		
pH	6.64	SU	02/03/2022	MDG/BSB			
Arsenic	<10.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D		
Cadmium	<10.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D		
Cobalt	<5.00	ug/L	02/15/2022	SJHATCHE	EPA 6010D		
Lead	<10.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D		

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "Davis Brown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

Validated date: 11/29/22



CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF24766 Location: GW Well CAP-6 Date: 02/03/2022 Sample Collector: MDG/BSB

Loc. Code CAP-6 Time: 13:16

EUC. Code CAL-O	11116. 15.10					
Analysis	Result	Units	Test Date	Analyst	Method	
Aluminum	<0.05	mg/L	02/15/2022	SJHATCHE	EPA 6010C	
Arsenic	<3	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Arsenic Dissolved	<10.0	ug/L	02/16/2022	SJHATCHE	EPA 6010C	
Barium	333	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Beryllium	<10.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Beryllium	<0.5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Calcium	466	mg/L	02/15/2022	SJHATCHE	EPA 6010D	
Cadmium	<0.5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Cobalt	<0.5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Chromium	<10.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Chromium	<5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Lead	<2.5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Antimony	<5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Antimony	<10.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Selenium	<50.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Selenium	<5	ug/L	04/26/2022	EUROFINS SAV	EPA 6020B	
Thallium	<50.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Thallium	<1	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Boron	3780	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Lithium	7.04	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Molybdenum	<5.00	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Mercury	<0.20	ug/L	03/01/2022	PACE	EPA 7470	
Iron	14200	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Potassium	1.7500	mg/L	02/28/2022	TESTAMERICA	EPA 6010D	
Sodium	71.10	mg/L	02/28/2022	TESTAMERICA	EPA 6010D	
Magnesium	13.2	mg/L	02/15/2022	SJHATCHE	EPA 6010D	
Fluoride	<0.10	mg/L	03/04/2022	KCWELLS	EPA 300.0	
Chloride	863	mg/L	03/02/2022	KCWELLS	EPA 300.0	
Sulfate	515	mg/L	03/02/2022	KCWELLS	EPA 300.0	
Total Dissolved Solids	2468	mg/L	02/09/2022	KCWELLS	SM 2540C	
Radium 226	0.530	pCi/L	03/07/2022	GEL	EPA 903.1 Mod	
Radium 228	0.0100	pCi/L	03/08/2022	GEL	EPA 904.0	
Radium 226/228 Combined Calculation	0.534	pCi/L	03/10/2022	GEL	EPA 903.1 Mod	
рН	6.73	SU	02/03/2022	MDG/BSB		
Arsenic	<10.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Cadmium	<10.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Cobalt	<5.00	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Lead	<10.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
		313				

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

Validated date: 11/29/22



CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF24768 Location: GW Well CAP-8 Date: 02/08/2022 Sample Collector: BRT/BSB

Loc. Code CAP-8 Time: 11:53

2001 0000 01111 0	Times Artists					
Analysis	Result	Units	Test Date	Analyst	Method	
Aluminum	<0.05	mg/L	02/15/2022	SJHATCHE	EPA 6010C	
Arsenic	<3	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Arsenic Dissolved	<10.0	ug/L	02/16/2022	SJHATCHE	EPA 6010C	
Barium	60.6	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Beryllium	<10.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Beryllium	<0.5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Calcium	932	mg/L	02/15/2022	SJHATCHE	EPA 6010D	
Cadmium	<0.5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Chromium	<10.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Chromium	<5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Lead	<2.5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Antimony	<5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Antimony	<10.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Selenium	<50.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Selenium	<5	ug/L	04/26/2022	EUROFINS SAV	EPA 6020B	
Thallium	<50.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Thallium	<1	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Boron	20900	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Lithium	103	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Molybdenum	<5.00	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Mercury	<0.20	ug/L	02/25/2022	PACE	EPA 7470	
Iron	10800	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Potassium	16.2000	mg/L	02/28/2022	TESTAMERICA	EPA 6010D	
Sodium	200.0	mg/L	02/28/2022	TESTAMERICA	EPA 6010D	
Magnesium	154	mg/L	02/15/2022	SJHATCHE	EPA 6010D	
Fluoride	<0.10	mg/L	02/10/2022	KCWELLS	EPA 300.0	
Chloride	1340	mg/L	02/10/2022	KCWELLS	EPA 300.0	
Sulfate	1380	mg/L	02/10/2022	KCWELLS	EPA 300.0	
Total Dissolved Solids	4846	mg/L	02/11/2022	KCWELLS	SM 2540C	
Radium 226	0.498	pCi/L	03/07/2022	GEL	EPA 903.1 Mod	
Radium 228	0.0876	pCi/L	03/08/2022	GEL	EPA 904.0	
Radium 226/228 Combined Calculation	0.585	pCi/L	03/10/2022	GEL	EPA 903.1 Mod	
pH	6.47	SU	02/08/2022	BRT/BSB		
Arsenic	<10.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Cadmium	<10.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Cobalt	30.5	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Lead	<10.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D	

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

validated date: 11/29/22



CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF24771 Location: GW Well CAP-10 Date: 02/08/2022 Sample Collector: BRT/BSB

Loc. Code CAP-10 Time: 14:05

EUC. Code OAISIO	1111e. 44.00					
Analysis	Result	Units	Test Date	Analyst	Method	
Aluminum	0.31	mg/L	02/15/2022	SJHATCHE	EPA 6010C	
Arsenic	<3	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Arsenic Dissolved	<10.0	ug/L	02/16/2022	SJHATCHE	EPA 6010C	
Barium	96.2	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Beryllium	<10.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Beryllium	<0.5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Calcium	126	mg/L	02/15/2022	SJHATCHE	EPA 6010D	
Cadmium	<0.5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Cobalt	0.58	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Chromium	<10.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Chromium	<5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Lead	<2.5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Antimony	<5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Antimony	<10.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Selenium	<50.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Selenium	<5	ug/L	04/26/2022	EUROFINS SAV	EPA 6020B	
Thallium	<50.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Thallium	<1	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B	
Boron	545	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Lithium	7.85	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Molybdenum	<5.00	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Mercury	<0.20	ug/L	02/25/2022	PACE	EPA 7470	
Iron	2050	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Potassium	1.1300	mg/L	02/28/2022	TESTAMERICA	EPA 6010D	
Sodium	15.40	mg/L	02/28/2022	TESTAMERICA	EPA 6010D	
Magnesium	3.18	mg/L	02/15/2022	SJHATCHE	EPA 6010D	
Fluoride	<0.10	mg/L	02/10/2022	KCWELLS	EPA 300.0	
Chloride	95.8	mg/L	02/10/2022	KCWELLS	EPA 300.0	
Sulfate	41.2	mg/L	02/10/2022	KCWELLS	EPA 300.0	
Total Dissolved Solids	692.5	mg/L	02/11/2022	KCWELLS	SM 2540C	
Radium 226	0.224	pCi/L	03/07/2022	GEL	EPA 903.1 Mod	
Radium 228	1.62	pCi/L	03/08/2022	GEL	EPA 904.0	
Radium 226/228 Combined Calculation	1.85	pCi/L	03/10/2022	GEL	EPA 903.1 Mod	
pH	7.14	SU	02/08/2022	BRT/BSB		
Arsenic	<10.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Cadmium	<10.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Cobalt	<5.00	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
Lead	<10.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D	
		素				

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

Validated date: 11/29/22



SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF31283 Location: GW Well CCMAP-6 Date: 04/13/2022 Sample Collector: BRT/BWM

Loc. Code CCMAP-6 Resample Time: 14:48

 Analysis
 Result
 Units
 Test Date
 Analyst
 Method

 Cobalt
 40.50
 ug/L
 04/27/2022
 EUROFINS SAV
 EPA 6020B

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:



SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF31283 Location: GW Well CCMAP-6 Date: 04/13/2022 Sample Collector: BRT/BWM

Loc. Code CCMAP-6 Resample Time: 14:48

 Analysis
 Result
 Units
 Test Date
 Analyst
 Method

 pH
 4.71
 SU
 04/13/2022
 BRT/BWM

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:



One Riverwood Drive P.O. Box 2946101 Moncks Corner, SC 29461-2901

(843) 761-8000

SANTEE COOPER ANALYTICAL SERVICES **CERTIFICATE OF ANALYSIS** LAB CERTIFICATION #08552

Sample # AF36901

Location: GW Well PM-1

Date: 06/20/2022

Sample Collector: DEW/ML

Loc. Code PM-1

Time: 15:31

Analysis	Result	Units	Test Date	Analyst	Method
Aluminum	< 0.05	ug/L	08/16/2022	R&C	EPA 6010C
Antimony	<5	ug/L	09/09/2022	EUROFINS SAV	EPA 6020B
Arsenic	<5	ug/L	08/16/2022	R&C	EPA 6020B
Arsenic Dissolved	<5.0	ug/L	08/13/2022	R&C	EPA 6020B
Barium	76.0	ug/L	08/05/2022	R&C	EPA 6010D
Beryllium	<0.5	ug/L	08/16/2022	R&C	EPA 6020B
Boron	<15	ug/L	08/16/2022	R&C	EPA 6010D
Cadmium	<4	ug/L	08/16/2022	R&C	EPA 6010D
Calcium	6.200	ug/L	08/16/2022	R&C	EPA 6010D
Chromium	<5	ug/L	08/16/2022	R&C	EPA 6020B
Cobalt	1.00	ug/L	08/16/2022	R&C	EPA 6020B
Iron	6000	ug/L	08/16/2022	R&C	EPA 6010D
Lead	<10	ug/L	08/16/2022	R&C	EPA 6010D
Lithium	<10	ug/L	08/16/2022	R&C	EPA 6010D
Magnesium	0.500	ug/L	08/16/2022	R&C	EPA 6010D
Mercury	<0.2	ug/L	06/29/2022	GEL	EPA 7470
Molybdenum	<10	ug/L	08/16/2022	R&C	EPA 6010D
Potassium	0.600	ug/L	08/16/2022	R&C	EPA 6010D
Selenium	<20	ug/L	08/16/2022	R&C	EPA 6010D
Sodium	5.60	ug/L	08/16/2022	R&C	EPA 6010D
Thallium	<1	ug/L	08/16/2022	R&C	EPA 6020B
Zinc	13.0	ug/L	08/16/2022	R&C	EPA 6010D
Fluoride	<0.10	mg/L	06/21/2022	AMSOULE	EPA 300.0
Chloride	13.4	mg/L	06/21/2022	AMSOULE	EPA 300.0
Sulfate	6.59	mg/L	06/21/2022	AMSOULE	EPA 300.0
Total Dissolved Solids	137.5	mg/L	07/19/2022	AMSOULE	SM 2540C
Radium 226	0.900	pCi/L	07/12/2022	GEL	EPA 903.1 Mod
Radium 228	0.687	pCi/L	06/29/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	1.59	pCi/L	08/29/2022	GEL	EPA 903.1 Mod
pН	4.84	SU	08/20/2022	DEW/ML	

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories , Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:



One Riverwood Drive P.O. Box 2946101 Moncks Comer, SC 29481-2901

(843) 761-8000

SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

Sample # AF36876

Location: GW Well CBW-1

Date: 06/20/2022

Sample Collector: DEW/ML

Loc. Code CBW-1

Time: 14:16

Analysis	Result	Units	Test Date	Analyst	Method	
Aluminum	0.810	ug/L	08/16/2022	R&C	EPA 6010C	
Antimony	<5	ug/L	09/10/2022	EUROFINS SAV	EPA 6020B	
Arsenic	<5	ug/L	08/16/2022	R&C	EPA 6020B	
Arsenic Dissolved	<5.0	ug/L	08/13/2022	R&C	EPA 6020B	
Barium	33.0	ug/L	08/05/2022	R&C	EPA 6010D	
Beryllium	<0.5	ug/L	08/16/2022	R&C	EPA 6020B	
Boron	15.0	ug/L	08/16/2022	R&C	EPA 6010D	
Cadmium	<4	ug/L	08/16/2022	R&C	EPA 6010D	
Calcium	29.00	ug/L	08/16/2022	R&C	EPA 6010D	
Chromium	<5	ug/L	08/16/2022	R&C	EPA 6020B	
Cobalt	<1	ug/L	08/16/2022	R&C	EPA 6020B	
Iron	140	ug/L	08/16/2022	R&C	EPA 6010D	
Lead	<10	ug/L	08/16/2022	R&C	EPA 6010D	
Lithium	<10	ug/L	08/16/2022	R&C	EPA 6010D	
Magnesium	1.90	ug/L	08/16/2022	R&C	EPA 6010D	
Mercury	<0.2	ug/L	06/29/2022	GEL	EPA 7470	
Molybdenum	<10	ug/L	08/16/2022	R&C	EPA 6010D	
Potassium	0.600	ug/L	08/16/2022	R&C	EPA 6010D	
Selenium	<50	ug/L	08/05/2022	R&C	EPA 6010D	
Sodium	3.20	ug/L	08/16/2022	R&C	EPA 6010D	
Tha l liu m	<1	ug/L	08/16/2022	R&C	EPA 6020B	
Zinc	<10	ug/L	08/16/2022	R&C	EPA 6010D	
Fluoride	0.18	mg/L	06/21/2022	AMSOULE	EPA 300.0	
Chloride	3.79	mg/L	06/21/2022	AMSOULE	EPA 300.0	
Sulfate	78.3	mg/L	06/21/2022	AMSOULE	EPA 300.0	
Total Dissolved Solids	143.8	mg/L	06/24/2022	AMSOULE	SM 2540C	
Radium 226	0.702	pCVL	07/12/2022	GEL	EPA 903.1 Mod	
Radium 228	1.27	pCi/L	08/10/2022	GEL	EPA 904.0	
Radium 226/228 Combined Calculation	1.98	pCi/L	08/29/2022	GEL	EPA 903.1 Mod	
pH	4.45	SU	06/20/2022	DEW/ML		

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories , Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:



SANTEE COOPER ANALYTICAL SERVICES **CERTIFICATE OF ANALYSIS** LAB CERTIFICATION #08552

Sample # AF36861

Location: GW Well CAP- 1

Date: 06/22/2022

Sample Collector: DEW/ML

Loc. Code CAP-1

Time: 12:53

Analysis	Result	Units	Test Date	Analyst	Method
Aluminum	11.0	ug/L	08/16/2022	R&C	EPA 6010C
Antimony	<5	ug/L	09/09/2022	EUROFINS SAV	EPA 6020B
Arsenic	<10	ug/L	08/15/2022	R&C	EPA 6020B
Arsenic Dissolved	<5.0	ug/L	08/13/2022	R&C	EPA 6020B
Barium	20.0	ug/L	08/05/2022	R&C	EPA 6010D
Beryllium	10.0	ug/L	08/16/2022	R&C	EPA 6020B
Boron	590.0	ug/L	08/09/2022	R&C	EPA 6010D
Cadmium	<4	ug/L	08/09/2022	R&C	EPA 6010D
Calcium	270.0	ug/L	08/16/2022	R&C	EPA 6010D
Chromium	<10	ug/L	08/16/2022	R&C	EPA 6020B
Cobalt	23.00	ug/L	08/16/2022	R&C	EPA 6020B
Iron	52000	ug/L	08/16/2022	R&C	EPA 6010D
Lead	<10	ug/L	08/09/2022	R&C	EPA 6010D
Lithium	98.0	ug/L	08/09/2022	R&C	EPA 6010D
Magnesium	8.00	ug/L	08/16/2022	R&C	EPA 6010D
Mercury	<0.2	ug/L	06/29/2022	GEL	EPA 7470
Molybdenum	<10	ug/L	08/09/2022	R&C	EPA 6010D
Potassium	0.700	ug/L	08/16/2022	R&C	EPA 6010D
Selenium	<20	ug/L	08/05/2022	R&C	EPA 6010D
Sodium	66.0	ug/L	08/16/2022	R&C	EPA 6010D
Thallium	<1	ug/L	08/10/2022	R&C	EPA 6020B
Zinc	23.0	ug/L	08/09/2022	R&C	EPA 6010D
Fluoride	2.51	mg/L	06/24/2022	KCWELLS	EPA 300.0
Chloride	182	mg/L	06/24/2022	KCWELLS	EPA 300.0
Sulfate	745	mg/L	06/24/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	1520	mg/L	07/08/2022	AMSOULE	SM 2540C
Radium 226	1.18	pCi/L	07/12/2022	GEL	EPA 903.1 Mod
Radium 228	2.19	pCi/L	08/10/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	3.36	pCi/L	08/29/2022	GEL	EPA 903.1 Mod
pH	4.80	SU	06/22/2022	DEW/ML	

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID #21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:



SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

Sample # AF36863

Location: GW Well CAP-3

Date: 06/23/2022

Sample Collector: DEW/DJ

Loc. Code CAP-3

Time: 16:08

Analysis	Result	Units	Test Date	Analyst	Method		
Aluminum	< 0.05	ug/L	08/16/2022	R&C	EPA 6010C		
Antimony	<5	ug/L	09/09/2022	EUROFINS SAV	EPA 6020B		
Arsenic	<10	ug/L	08/16/2022	R&C	EPA 6020B		
Arsenic Dissolved	<10	ug/L	08/13/2022	R&C	EPA 6020B		
Barium	84.0	ug/L	08/05/2022	R&C	EPA 6010D		
Beryllium	<1	ug/L	08/16/2022	R&C	EPA 6020B		
Boron	6100.0	ug/L	08/13/2022	R&C	EPA 6010D		
Cadmium	<4	ug/L	08/13/2022	R&C	EPA 6010D		
Calcium	560.0	ug/L	08/16/2022	R&C	EPA 6010D		
Chromium	<10	ug/L	08/16/2022	R&C	EPA 6020B		
Cobalt	30.00	ug/L	08/16/2022	R&C	EPA 6020B		
Iron	1200	ug/L	08/16/2022	R&C	EPA 6010D		
Lead	<10	ug/L	08/13/2022	R&C	EPA 6010D		
Lithium	10.0	ug/L	08/13/2022	R&C	EPA 6010D		
Magnesium	58.0	ug/L	08/16/2022	R&C	EPA 6010D		
Mercury	<0.2	ug/L	06/30/2022	GEL	EPA 7470		
Molybdenum	<10	ug/L	08/13/2022	R&C	EPA 6010D		
Potassium	6.10	ug/L	08/16/2022	R&C	EPA 6010D		
Selenium	<20	ug/L	08/05/2022	R&C	EPA 6010D		
Sodium	81.0	ug/L	08/16/2022	R&C	EPA 6010D		
Thallium	<1	ug/L	08/17/2022	R&C	EPA 6020B		
Zinc	23.0	ug/L	08/13/2022	R&C	EPA 6010D		
Fluoride	<0.10	mg/L	06/28/2022	KCWELLS	EPA 300.0		
Chloride	529	mg/L	06/28/2022	KCWELLS	EPA 300.0		
Sulfate	766	mg/L	06/28/2022	KCWELLS	EPA 300.0		
Total Dissolved Solids	2972	mg/L	07/08/2022	AMSOULE	SM 2540C		
Radium 226	3.78	pCi/L	07/13/2022	GEL	EPA 903.1 Mod		
Radium 228	0.0795	pCi/L	07/07/2022	GEL	EPA 904.0		
Radium 226/228 Combined Calculation	3.86	pCi/L	07/25/2022	GEL	EPA 903.1 Mod		
pH	6.17	SU	06/23/2022	DEW/DJ			

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

Lindal allians



SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

Sample # AF36865

Location: GW Well CAP-5

Date: 06/23/2022

Sample Collector: DEW/DJ

Loc. Code CAP-5

Time: 13:27

200.0020 0, 11 0					
Analysis	Result	Units	Test Date	Analyst	Method
Aluminum	5.60	ug/L	08/16/2022	R&C	EPA 6010C
Antimony	<5	ug/L	09/09/2022	EUROFINS SAV	EPA 6020B
Arsenic	<10	ug/L	08/15/2022	R&C	EPA 6020B
Arsenic Dissolved	<10	ug/L	08/13/2022	R&C	EPA 8020B
Barium	1300	ug/L	08/05/2022	R&C	EPA 6010D
Beryllium	5.0	ug/L	08/16/2022	R&C	EPA 6020B
Boron	140.0	ug/L	08/13/2022	R&C	EPA 6010D
Cadmium	<4	ug/L	08/13/2022	R&C	EPA 6010D
Calcium	150.0	ug/L	08/16/2022	R&C	EPA 6010D
Chromium	<10	ug/L	08/16/2022	R&C	EPA 6020B
Cobalt	14.00	ug/L	08/16/2022	R&C	EPA 6020B
Iron	130000	ug/L	08/16/2022	R&C	EPA 6010D
Lead	<10	ug/L	08/13/2022	R&C	EPA 6010D
Lithium	12.0	ug/L	08/13/2022	R&C	EPA 6010D
Magnesium	4.80	ug/L	08/16/2022	R&C	EPA 6010D
Mercury	<0.2	ug/L	06/30/2022	GEL	EPA 7470
Molybdenum	<10	ug/L	08/13/2022	R&C	EPA 6010D
Potassium	1.10	ug/L	08/16/2022	R&C	EPA 6010D
Selenium	<20	ug/L	08/05/2022	R&C	EPA 6010D
Sodium	73.0	ug/L	08/16/2022	R&C	EPA 6010D
Thallium	<1	ug/L	08/17/2022	R&C	EPA 6020B
Zinc	<10	ug/L	08/13/2022	R&C	EPA 6010D
Fluoride	0.60	mg/L	06/28/2022	KCWELLS	EPA 300.0
Chloride	607	mg/L	06/28/2022	KCWELLS	EPA 300.0
Sulfate	2.77	mg/L	06/28/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	1241	mg/L	07/08/2022	AMSOULE	SM 2540C
Radium 226	5.28	pCi/L	07/13/2022	GEL	EPA 903.1 Mod
Radium 228	6.09	pCi/L	07/12/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	11.4	pCi/L	07/25/2022	GEL	EPA 903.1 Mod
pH	3.99	SU	06/23/2022	DEW/DJ	

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

Linda Willians



SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

Sample # AF36867

Location: GW Well CAP-7

Date: 06/23/2022

Sample Collector: DEW/DJ

Loc. Code CAP-7

Time: 11:16

Analysis	Result	Units	Test Date	Analyst	Method
Aluminum	0.140	ug/L	08/16/2022	R&C	EPA 6010C
Antimony	<5	ug/L	09/09/2022	EUROFINS SAV	EPA 6020B
Arsenic	<10	ug/L	08/16/2022	R&C	EPA 6020B
Arsenic Dissolved	<10	ug/L	08/13/2022	R&C	EPA 6020B
Barium	38.0	ug/L	08/05/2022	R&C	EPA 6010D
Beryllium	<1	ug/L	08/16/2022	R&C	EPA 6020B
Boron	32000.0	ug/L	08/13/2022	R&C	EPA 6010D
Cadmium	<4	ug/L	08/13/2022	R&C	EPA 6010D
Calcium	1200	ug/L	08/16/2022	R&C	EPA 6010D
Chromium	<10	ug/L	08/16/2022	R&C	EPA 6020B
Cobalt	13.00	ug/L	08/16/2022	R&C	EPA 6020B
Iron	230000	ug/L	08/16/2022	R&C	EPA 6010D
Lead	<10	ug/L	08/13/2022	R&C	EPA 6010D
Lithium	<10	ug/L	08/13/2022	R&C	EPA 6010D
Magnesium	380	ug/L	08/16/2022	R&C	EPA 6010D
Mercury	0.270	ug/L	06/30/2022	GEL	EPA 7470
Molybdenum	<10	ug/L	08/13/2022	R&C	EPA 6010D
Potassium	29.0	ug/L	08/16/2022	R&C	EPA 6010D
Selenium	<20	ug/L	08/05/2022	R&C	EPA 6010D
Sodium	180	ug/L	08/16/2022	R&C	EPA 6010D
Thallium	<1	ug/L	09/09/2022	EUROFINS SAV	EPA 6020B
Zinc	<10	ug/L	08/13/2022	R&C	EPA 6010D
Fluoride	<0.10	mg/L	06/28/2022	KCWELLS	EPA 300.0
Chloride	2620	mg/L	06/28/2022	KCWELLS	EPA 300.0
Sulfate	1660	mg/L	06/28/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	8505	mg/L	07/08/2022	AMSOULE	SM 2540C
Radium 226	0.876	pCi/L	07/13/2022	GEL	EPA 903.1 Mod
Radium 228	1.11	pCi/L	07/12/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	1.99	pCi/L	07/25/2022	GEL	EPA 903.1 Mod
рН	5.54	SU	06/23/2022	DEW/DJ	

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID# 23105001

Analysis Validated:

notal allians



SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

Sample # AF36869 Location: GW Well CAP-9 Date: 06/22/2022 Sample Collector: DEW/ML

Loc. Code CAP-9 Time: 15:40

Analysis	Result	Units	Test Date	Analyst	Method
Aluminum	21.0	ug/L	08/16/2022	R&C	EPA 6010C
Antimony	<5	ug/L	09/10/2022	EUROFINS SAV	EPA 6020B
Arsenic	<10	ug/L	08/16/2022	R&C	EPA 6020B
Arsenic Dissolved	<10	ug/L	08/13/2022	R&C	EPA 6020B
Barium	17.0	ug/L	08/05/2022	R&C	EPA 6010D
Barium	17.0	ug/L	08/17/2022	R&C	EPA 6010D
Beryllium	19.0	ug/L	08/16/2022	R&C	EPA 6020B
Boron	4500.0	ug/L	08/16/2022	R&C	EPA 6010D
Cadmium	<4	ug/L	08/16/2022	R&C	EPA 6010D
Calcium	500.0	ug/L	08/16/2022	R&C	EPA 6010D
Chromium	<10	ug/L	08/16/2022	R&C	EPA 6020B
Cobalt	42.00	ug/L	08/16/2022	R&C	EPA 6020B
Iron	120000	ug/L	08/16/2022	R&C	EPA 6010D
Lead	<10	ug/L	08/16/2022	R&C	EPA 6010D
Lithium	38.0	ug/L	08/16/2022	R&C	EPA 6010D
Magnesium	59.0	ug/L	08/16/2022	R&C	EPA 6010D
Mercury	<0.2	ug/L	06/29/2022	GEL	EPA 7470
Molybdenum	<10	ug/L	08/16/2022	R&C	EPA 6010D
Potassium	6.90	ug/L	08/16/2022	R&C	EPA 6010D
Selenium	<20	ug/L	08/05/2022	R&C	EPA 6010D
Sodium	130	ug/L	08/16/2022	R&C	EPA 6010D
Thallium	<1	ug/L	08/16/2022	R&C	EPA 6020B
Zinc	74.0	ug/L	08/16/2022	R&C	EPA 6010D
Fluoride	4.12	mg/L	06/24/2022	KCWELLS	EPA 300.0
Chloride	1120	mg/L	06/24/2022	KCWELLS	EPA 300.0
Sulfate	706	mg/L	06/24/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	3590	mg/L	07/08/2022	AMSOULE	SM 2540C
Radium 226	0.538	pCi/L	07/12/2022	GEL	EPA 903.1 Mod
Radium 228	2.86	pCi/L	08/10/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	3.40	pCi/L	08/29/2022	GEL	EPA 903.1 Mod
pН	3.83	SU	06/22/2022	DEW/ML	

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

Linda Willians



SANTEE COOPER ANALYTICAL SERVICES **CERTIFICATE OF ANALYSIS** LAB CERTIFICATION #08552

Sample # AF36870

Location: GW Well CAP-9

Date: 06/22/2022

Sample Collector: DEW/ML

Loc. Code CAP-9

Time: 15:45

200.0000	DUP TIME: 19:19					
Analysis	Result	Units	Test Date	Analyst	Method	
Aluminum	22.0	ug/L	08/16/2022	R&C	EPA 6010C	
Anlimony	<5	ug/L	09/10/2022	EUROFINS SAV	EPA 6020B	
Arsenic	<10	ug/L	08/16/2022	R&C	EPA 6020B	
Arsenic Dissolved	<10	ug/L	08/13/2022	R&C	EPA 6020B	
Barium	16.0	ug/L	08/05/2022	R&C	EPA 6010D	
Beryllium	19.0	ug/L	08/16/2022	R&C	EPA 6020B	
Boron	4500.0	ug/L	08/16/2022	R&C	EPA 6010D	
Cadmium	<4	ug/L	08/16/2022	R&C	EPA 6010D	
Calcium	550.0	ug/L	08/16/2022	R&C	EPA 6010D	
Chromium	<10	ug/L	08/16/2022	R&C	EPA 6020B	
Cobalt	42.00	ug/L	08/16/2022	R&C	EPA 6020B	
Iron	130000	ug/L	08/16/2022	R&C	EPA 6010D	
Lead	<10	ug/L	08/16/2022	R&C	EPA 6010D	
Lithium	38.0	ug/L	08/16/2022	R&C	EPA 6010D	
Magnesium	62.0	ug/L	08/16/2022	R&C	EPA 6010D	
Mercury	<0.2	ug/L	06/29/2022	GEL	EPA 7470	
Molybdenum	<10	ug/L	08/16/2022	R&C	EPA 6010D	
Potassium	5.90	ug/L	08/16/2022	R&C	EPA 6010D	
Selenium	<20	ug/L	08/05/2022	R&C	EPA 6010D	
Sodium	140	ug/L	08/16/2022	R&C	EPA 6010D	
Thallium	<1	ug/L	08/16/2022	R&C	EPA 6020B	
Zinc	76.0	ug/L	08/16/2022	R&C	EPA 6010D	
Fluoride	3.96	mg/L	06/24/2022	KCWELLS	EPA 300.0	
Chloride	1125	mg/L	06/24/2022	KCWELLS	EPA 300.0	
Sulfate	705	mg/L	06/24/2022	KCWELLS	EPA 300.0	
Total Dissolved Solids	3581	mg/L	07/08/2022	AMSOULE	SM 2540C	
Radium 226	0.124	pCi/L	07/12/2022	GEL	EPA 903.1 Mod	
Radium 228	1.83	pCi/L	06/10/2022	GEL	EPA 904.0	
Radium 226/228 Combined Calculation	1.95	pCi/L	08/29/2022	GEL	EPA 903.1 Mod	

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:



SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

Sample # AF36877 Location: GW Well CCMAP-1 Date:

Date: 06/29/2022 Sam

Sample Collector: DEW/ML

Loc. Code CCMAP-1

Time: 13:10

Analysis	Result	Units	Test Date	Analyst	Method		
Arsenic	<5	ug/L	08/16/2022	R&C	EPA 6020B		
Barium	50.0	ug/L	08/05/2022	R&C	EPA 6010D		
Beryllium	< 0.5	ug/L	08/16/2022	R&C	EPA 6020B		
Calcium	59.00	ug/L	08/16/2022	R&C	EPA 6010D		
Cadmium	<4	ug/L	08/16/2022	R&C	EPA 6010D		
Cobalt	<2	ug/L	08/16/2022	R&C	EPA 6020B		
Chromium	<5	ug/L	08/16/2022	R&C	EPA 6020B		
Lead	<10	ug/L	08/16/2022	R&C	EPA 6010D		
Antimony	<5	ug/L	09/10/2022	EUROFINS SAV	EPA 6020B		
Selenium	<20	ug/L	08/05/2022	R&C	EPA 6010D		
Thallium	<1	ug/L	08/16/2022	R&C	EPA 6020B		
Boron	<15	ug/L	08/16/2022	R&C	EPA 6010D		
Lithium	<10	ug/L	08/16/2022	R&C	EPA 6010D		
Molybdenum	<10	ug/L	08/16/2022	R&C	EPA 6010D		
Mercury	<0.2	ug/L	07/11/2022	GEL	EPA 7470		
Total Dissolved Solids	197.5	mg/L	07/01/2022	SJBROWN	SM 2540C		
Fluoride	<0.10	mg/L	07/07/2022	KCWELLS	EPA 300.0		
Chloride	6,24	mg/L	07/07/2022	KCWELLS	EPA 300.0		
Sulfate	<2.0	mg/L	07/07/2022	KCWELLS	EPA 300.0		
Radium 226	0.394	pCi/L	07/20/2022	GEL	EPA 903.1 Mod		
Radium 228	0.104	pCi/L	07/14/2022	GEL	EPA 904.0		
Radium 226/228 Combined Calculation	0.498	pCi/L	07/25/2022	GEL	EPA 903.1 Mod		
pH	7.25	SU	06/29/2022	DEW/ML			

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

Lindal allians



SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

Sample # AF36878

Location: GW Well CCMAP-2

Date: 06/30/2022

Sample Collector: DEW/ML

Loc. Code CCMAP-2

Time: 10:33

Test Date 08/16/2022 08/05/2022	Analyst R&C	Method
	R&C	
08/05/2022		EPA 6020B
	R&C	EPA 6010D
08/16/2022	R&C	EPA 6020B
08/16/2022	R&C	EPA 6010D
08/16/2022	R&C	EPA 6010D
08/16/2022	R&C	EPA 6020B
08/16/2022	R&C	EPA 6020B
08/16/2022	R&C	EPA 6010D
09/10/2022	EUROFINS SAV	EPA 6020B
08/05/2022	R&C	EPA 6010D
08/16/2022	R&C	EPA 6020B
08/16/2022	R&C	EPA 6010D
08/16/2022	R&C	EPA 6010D
08/16/2022	R&C	EPA 6010D
07/11/2022	GEL	EPA 7470
07/07/2022	AMSOULE	SM 2540C
07/07/2022	KCWELLS	EPA 300.0
07/07/2022	KCWELLS	EPA 300.0
07/07/2022	KCWELLS	EPA 300.0
07/20/2022	GEL	EPA 903.1 Mod
07/14/2022	GEL	EPA 904.0
07/25/2022	GEL	EPA 903.1 Mod
06/30/2022	DEW/ML	
	08/16/2022 08/16/2022 08/16/2022 08/16/2022 08/16/2022 08/16/2022 09/10/2022 08/16/2022 08/16/2022 08/16/2022 08/16/2022 08/16/2022 07/11/2022 07/07/2022 07/07/2022 07/07/2022 07/07/2022 07/07/2022 07/07/2022 07/07/2022 07/07/2022 07/14/2022	08/16/2022 R&C 09/10/2022 R&C 09/10/2022 EUROFINS SAV 08/05/2022 R&C 08/16/2022 R&C 08/16/2022 R&C 08/16/2022 R&C 08/16/2022 R&C 08/16/2022 R&C 07/11/2022 R&C 07/07/2022 KCWELLS 07/07/2022 KCWELLS 07/07/2022 KCWELLS 07/07/2022 GEL 07/14/2022 GEL 07/14/2022 GEL 07/14/2022 GEL 07/14/2022 GEL 07/25/2022 GEL

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America " - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:



SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

Sample # AF36879

Location: GW Well CCMAP-3

Date: 06/30/2022

Sample Collector: DEW/ML

Loc. Code CCMAP-3

Time: 09:30

Analysis	Result	Units	Test Date	Analyst	Method
ic	<3	ug/L	09/10/2022	R&C	EPA 6020B
m	56.0	ug/L	08/05/2022	R&C	EPA 6010D
ium	<2	ug/L	08/16/2022	R&C	EPA 6020B
ım	1000	ug/L	08/16/2022	R&C	EPA 6010D
ium	<4	ug/L	08/16/2022	R&C	EPA 6010D
lt	<5	ug/L	08/16/2022	R&C	EPA 6020B
nium	<25	ug/L	08/16/2022	R&C	EPA 6020B
	<10	ug/L	08/16/2022	R&C	EPA 6010D
ony	<5	ug/L	09/10/2022	EUROFINS SAV	EPA 6020B
ium	<20	ug/L	08/05/2022	R&C	EPA 6010D
um	<1	ug/L	09/10/2022	R&C	EPA 6020B
1	21000.0	ug/L	08/16/2022	R&C	EPA 6010D
m	27.0	ug/L	08/16/2022	R&C	EPA 6010D
odenum	<10	ug/L	08/16/2022	R&C	EPA 6010D
ıry	< 0.2	ug/L	07/11/2022	GEL	EPA 7470
Dissolved Solids	4875	mg/L	07/07/2022	AMSOULE	SM 2540C
de	<0.10	mg/L	07/14/2022	KCWELLS	EPA 300.0
ide	1240	mg/L	08/03/2022	KCWELLS	EPA 300.0
e	1360	mg/L	08/03/2022	KCWELLS	EPA 300.0
ım 226	1.01	pCi/L	07/20/2022	GEL	EPA 903.1 Mod
ım 228	0.582	pCi/L	07/14/2022	GEL	EPA 904.0
ım 226/228 Combined Calculation	1.59	pCi/L	07/25/2022	GEL	EPA 903.1 Mod
	6.52	SU	06/30/2022	DEW/ML	
ım 226 ım 228	1.01 0.582 1.59	pCi/L pCi/L pCi/L	07/20/2022 07/14/2022 07/25/2022	GEL GEL GEL	

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID# 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID# 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID# 23105001

Analysis Validated:

Lindal allians



SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

Sample # AF36880

Location: GW Well CCMAP-4

Date: 06/30/2022

Sample Collector: DEW/ML

Loc. Code CCMAP-4

Time: 12:40

	30000000				
Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<5	ug/L	08/16/2022	R&C	EPA 6020B
Barium	170	ug/L	08/05/2022	R&C	EPA 6010D
Beryllium	<0.5	ug/L	08/16/2022	R&C	EPA 6020B
Calcium	89.00	ug/L	08/16/2022	R&C	EPA 6010D
Cadmium	<4	ug/L	08/16/2022	R&C	EPA 6010D
Cobalt	6.00	ug/L	08/16/2022	R&C	EPA 6020B
Chromium	<5	ug/L	08/16/2022	R&C	EPA 6020B
Lead	<10	ug/L	08/16/2022	R&C	EPA 6010D
Antimony	<5	ug/L	09/10/2022	EUROFINS SAV	EPA 6020B
Selenium	<20	ug/L	08/05/2022	R&C	EPA 6010D
Thallium	<1	ug/L	08/16/2022	R&C	EPA 6020B
Boron	26.0	ug/L	08/16/2022	R&C	EPA 6010D
Lithium	<10	ug/L	08/16/2022	R&C	EPA 6010D
Molybdenum	<10	ug/L	08/16/2022	R&C	EPA 6010D
Mercury	<0.2	ug/L	07/11/2022	GEL	EPA 7470
Total Dissolved Solids	453.8	mg/L	07/07/2022	AMSOULE	SM 2540C
Fluoride	0.10	mg/L	07/07/2022	KCWELLS	EPA 300.0
Chloride	48.6	mg/L	07/07/2022	KCWELLS	EPA 300.0
Sulfate	4.70	mg/L	07/07/2022	KCWELLS	EPA 300.0
Radium 226	4.45	pCi/L	07/25/2022	GEL	EPA 903.1 Mod
Radium 228	-1.14	pCi/L	07/14/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	4.45	pCi/L	07/25/2022	GEL	EPA 903.1 Mod
pH	6.63	SU	06/30/2022	DEW/ML	

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

near Williams



SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

Sample # AF36881

Location: GW Well CCMAP-4

Date: 06/30/2022

Sample Collector: DEW/ML

Loc. Code CCMAP-4

DHE

Time: 12:45

	DUP Time: 12:10					
Analysis	Result	Units	Test Date	Analyst	Method	
Arsenic	<5	ug/L	08/16/2022	R&C	EPA 6020B	
Barium	160	ug/L	08/05/2022	R&C	EPA 6010D	
Beryllium	<0.5	ug/L	08/16/2022	R&C	EPA 6020B	
Calcium	85.00	ug/L	08/16/2022	R&C	EPA 6010D	
Cadmium	<4	ug/L	08/16/2022	R&C	EPA 6010D	
Cobalt	6.00	ug/L	08/16/2022	R&C	EPA 6020B	
Chromium	<5	ug/L	08/16/2022	R&C	EPA 6020B	
Lead	<10	ug/L	08/16/2022	R&C	EPA 6010D	
Antimony	<5	ug/L	09/10/2022	EUROFINS SAV	EPA 6020B	
Selenium	<20	ug/L	08/05/2022	R&C	EPA 6010D	
Thallium	<1	ug/L	08/16/2022	R&C	EPA 6020B	
Boron	25.0	ug/L	08/16/2022	R&C	EPA 6010D	
Lithium	<10	ug/L	08/16/2022	R&C	EPA 6010D	
Molybdenum	<10	ug/L	08/16/2022	R&C	EPA 6010D	
Mercury	<0.2	ug/L	07/11/2022	GEL	EPA 7470	
Total Dissolved Solids	331.2	mg/L	07/07/2022	AMSOULE	SM 2540C	
Fluoride	0.10	mg/L	07/07/2022	KCWELLS	EPA 300.0	
Chloride	47.5	mg/L	07/07/2022	KCWELLS	EPA 300.0	
Sulfate	4.13	mg/L	07/07/2022	KCWELLS	EPA 300.0	
Radium 226	0.712	pCi/L	07/20/2022	GEL	EPA 903.1 Mod	
Radium 228	4,25	pCi/L	07/14/2022	GEL	EPA 904.0	
Radium 226/228 Combined Calculation	4.96	pCi/L	07/25/2022	GEL	EPA 903.1 Mod	

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:



SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

Sample # AF36882

Location: GW Well CCMAP-5

Date: 06/30/2022

Sample Collector: DEW/ML

Loc. Code CCMAP-5

Time: 14:06

Analysis	Result	Units	Test Date	Analyst	Method	
Arsenic	<10	ug/L	08/16/2022	R&C	EPA 6020B	
Barium	200	ug/L	08/05/2022	R&C	EPA 6010D	
Beryllium	<0.5	ug/L	08/16/2022	R&C	EPA 6020B	
Calcium	140.0	ug/L	08/16/2022	R&C	EPA 6010D	
Cadmium	<4	ug/L	08/16/2022	R&C	EPA 6010D	
Cobalt	8.00	ug/L	08/16/2022	R&C	EPA 6020B	
Chromium	<5	ug/L	08/16/2022	R&C	EPA 6020B	
Lead	<10	ug/L	08/16/2022	R&C	EPA 6010D	
Antimony	<5	ug/L	09/10/2022	EUROFINS SAV	EPA 6020B	
Selenium	<20	ug/L	08/05/2022	R&C	EPA 6010D	
Thallium	<1	ug/L	08/16/2022	R&C	EPA 6020B	
Boron	<15	ug/L	08/16/2022	R&C	EPA 6010D	
Lithium	<10	ug/L	08/16/2022	R&C	EPA 6010D	
Molybdenum	<10	ug/L	08/16/2022	R&C	EPA 6010D	
Mercury	<0.2	ug/L	07/11/2022	GEL	EPA 7470	
Total Dissolved Solids	403.8	mg/L	07/07/2022	AMSOULE	SM 2540C	
Fluoride	< 0.10	mg/L	07/07/2022	KCWELLS	EPA 300.0	
Chloride	23.3	mg/L	07/07/2022	KCWELLS	EPA 300.0	
Sulfate	9.12	mg/L	07/07/2022	KCWELLS	EPA 300.0	
Radium 226	0.686	pCi/L	07/20/2022	GEL	EPA 903.1 Mod	
Radium 228	-0.313	pCi/L	07/14/2022	GEL	EPA 904.0	
Radium 226/228 Combined Calculation	0.686	pCi/L	07/25/2022	GEL	EPA 903.1 Mod	
pH	6.36	SU	06/30/2022	DEW/ML		

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Calicot, Inc.- Lab ID # 23105001

Analysis Validated:

Eindal Williams



SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

Sample # AF36883

Location: GW Well CCMAP-6

Date: 06/29/2022

Sample Collector: DEW/ML

Loc. Code CCMAP-6

Time: 14:08

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<5	ug/L	08/16/2022	R&C	EPA 6020B
Barium	38.0	ug/L	08/05/2022	R&C	EPA 6010D
Beryllium	4.0	ug/L	08/16/2022	R&C	EPA 6020B
Calcium	17.00	ug/L	08/16/2022	R&C	EPA 6010D
Cadmium	<4	ug/L	08/16/2022	R&C	EPA 6010D
Cobalt	35.00	ug/L	08/16/2022	R&C	EPA 6020B
Chromium	<5	ug/L	08/16/2022	R&C	EPA 6020B
Lead	<10	ug/L	08/16/2022	R&C	EPA 6010D
Antimony	<5	ug/L	09/10/2022	EUROFINS SAV	EPA 6020B
Selenium	<20	ug/L	08/05/2022	R&C	EPA 6010D
Thallium	<1	ug/L	08/16/2022	R&C	EPA 6020B
Boron	<15	ug/L	08/16/2022	R&C	EPA 6010D
Lithium	<10	ug/L	08/16/2022	R&C	EPA 6010D
Molybdenum	<10	ug/L	08/16/2022	R&C	EPA 6010D
Mercury	<0.2	ug/L	07/11/2022	GEL	EPA 7470
Total Dissolved Solids	108.8	mg/L	07/01/2022	SJBROWN	SM 2540C
Fluoride	0.34	mg/L	07/07/2022	KCWELLS	EPA 300.0
Chloride	1.69	mg/L	07/07/2022	KCWELLS	EPA 300.0
Sulfate	65.2	mg/L	07/07/2022	KCWELLS	EPA 300.0
Radium 226	0.835	pÇi/L	07/20/2022	GEL	EPA 903.1 Mod
Radium 228	-0.622	pCi/L	07/14/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	0.835	pCi/L	07/25/2022	GEL	EPA 903.1 Mod
рН	4.69	SU	06/29/2022	DEW/ML	

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

Linda Willians



SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

Sample # AF36884

Location: GW Well CCMAP-7

Date: 06/30/2022

Sample Collector: DEW/ML

Loc. Code CCMAP-7

Time: 11:29

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Analysis	Result	Units	Test Date	Analyst	Method	
Arsenic	<5	ug/L	08/16/2022	R&C	EPA 6020B	
Barium	37.0	ug/L	08/05/2022	R&C	EPA 6010D	
Beryllium	<0.5	ug/L	08/16/2022	R&C	EPA 6020B	
Calcium	14.00	ug/L	08/16/2022	R&C	EPA 6010D	
Cadmium	<4	ug/L	08/16/2022	R&C	EPA 6010D	
Cobalt	7.00	ug/L	08/16/2022	R&C	EPA 6020B	
Chromium	<5	ug/L	08/16/2022	R&C	EPA 6020B	
Lead	<10	ug/L	08/16/2022	R&C	EPA 6010D	
Antimony	<5	ug/L	09/10/2022	EUROFINS SAV	EPA 6020B	
Selenium	<20	ug/L	08/05/2022	R&C	EPA 6010D	
Thallium	<1	ug/L	08/16/2022	R&C	EPA 6020B	
Boron	<15	ug/L	08/16/2022	R&C	EPA 6010D	
Lithium	<10	ug/L	08/16/2022	R&C	EPA 6010D	
Molybdenum	<10	ug/L	08/16/2022	R&C	EPA 6010D	
Mercury	<0.2	ug/L	07/11/2022	GEL	EPA 7470	
Total Dissolved Solids	73.75	mg/L	07/07/2022	AMSOULE	SM 2540C	
Fluoride	<0.10	mg/L	07/07/2022	KCWELLS	EPA 300.0	
Chloride	9.55	mg/L	07/07/2022	KCWELLS	EPA 300.0	
Sulfate	<2.0	mg/L	07/07/2022	KCWELLS	EPA 300.0	
Radium 226	0.568	pCi/L	07/20/2022	GEL	EPA 903.1 Mod	
Radium 228	0.457	pCi/L	07/14/2022	GEL	EPA 904.0	
Radium 226/228 Combined Calculation	1.02	pCi/L	07/25/2022	GEL	EPA 903.1 Mod	
pH	5.66	SU	06/30/2022	DEW/ML		

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown" - Davis & Brown Lab ID # 21117; "Shealy" - Shealy Environmental Services, Inc. - Lab ID# 32010 "ROGERSCALLCO" - Rogers & Callcot, Inc. - Lab ID # 23105001

Analysis Validated:

Linda Williams

SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF36864 Location: GW Well CAP-4 Date: 06/23/2022 Sample Collector: DEW/DJ

Loc. Code CAP-4 Time: 14:49

Analysis	Result	Units	Test Date	Analyst	Method
Aluminum	<0.05	ug/L	08/16/2022	R&C	EPA 6010C
Barium	110	ug/L	08/05/2022	R&C	EPA 6010D
Calcium	660.0	ug/L	08/16/2022	R&C	EPA 6010D
Antimony	<50	ug/L	08/05/2022	R&C	EPA 6010D
Selenium	<20	ug/L	08/05/2022	R&C	EPA 6010D
Iron	13000	ug/L	08/16/2022	R&C	EPA 6010D
Potassium	14.0	ug/L	08/16/2022	R&C	EPA 6010D
Sodium	120	ug/L	08/16/2022	R&C	EPA 6010D
Magnesium	79.0	ug/L	08/16/2022	R&C	EPA 6010D
Cadmium	<4	ug/L	08/13/2022	R&C	EPA 6010D
Copper	<5	ug/L	08/13/2022	R&C	EPA 6010D
Nickel	<10	ug/L	08/05/2022	R&C	EPA 6010D
Lead	<10	ug/L	08/13/2022	R&C	EPA 6010D
Zinc	<10	ug/L	08/13/2022	R&C	EPA 6010D

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF36864 Location: GW Well CAP-4 Date: 06/23/2022 Sample Collector: DEW/DJ

Loc. Code CAP-4 Time: 14:49

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Analysis	Result	Units	Test Date	Analyst	Method	
Arsenic	<10	ug/L	08/16/2022	R&C	EPA 6020B	
Beryllium	<1	ug/L	08/16/2022	R&C	EPA 6020B	
Cobalt	<4	ug/L	08/16/2022	R&C	EPA 6020B	
Chromium	<10	ug/L	08/16/2022	R&C	EPA 6020B	
Antimony	<5	ug/L	09/09/2022	EUROFINS SAV	EPA 6020B	
Thallium	<1	ug/L	08/17/2022	R&C	EPA 6020B	
Boron	11000.0	ug/L	08/13/2022	R&C	EPA 6010D	
Lithium	25.0	ug/L	08/13/2022	R&C	EPA 6010D	
Molybdenum	<10	ug/L	08/13/2022	R&C	EPA 6010D	
Mercury	<0.2	ug/L	06/30/2022	GEL	EPA 7470	
Fluoride	<0.10	mg/L	06/28/2022	KCWELLS	EPA 300.0	
Chloride	979	mg/L	06/28/2022	KCWELLS	EPA 300.0	
Sulfate	895	mg/L	06/28/2022	KCWELLS	EPA 300.0	
Total Dissolved Solids	3910	mg/L	07/11/2022	COAMESWA	SM 2540C	
Radium 226	0.713	pCi/L	07/13/2022	GEL	EPA 903.1 Mod	
Radium 228	2.26	pCi/L	07/07/2022	GEL	EPA 904.0	
Radium 226/228 Combined Calculation	2.97	pCi/L	07/25/2022	GEL	EPA 903.1 Mod	
pH	6.49	SU	06/23/2022	DEW/DJ		
Arsenic Dissolved	<10	ug/L	08/13/2022	R&C	EPA 6020B	

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:



SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF36866 Location: GW Well CAP-6 Date: 06/23/2022 Sample Collector: DEW/DJ

Loc. Code CAP-6 Time: 12:15

Loc. Code CAP-6	11me: 12.15					
Analysis	Result	Units	Test Date	Analyst	Method	
Aluminum	<0.05	ug/L	08/16/2022	R&C	EPA 6010C	
Arsenic	<10	ug/L	08/15/2022	R&C	EPA 6020B	
Barium	310	ug/L	08/05/2022	R&C	EPA 6010D	
Beryllium	<1	ug/L	08/16/2022	R&C	EPA 6020B	
Calcium	410.0	ug/L	08/16/2022	R&C	EPA 6010D	
Cobalt	<4	ug/L	08/16/2022	R&C	EPA 6020B	
Chromium	<10	ug/L	08/16/2022	R&C	EPA 6020B	
Antimony	<5	ug/L	09/09/2022	EUROFINS SAV	EPA 6020B	
Antimony	<50	ug/L	08/05/2022	R&C	EPA 6010D	
Selenium	<20	ug/L	08/05/2022	R&C	EPA 6010D	
Thallium	<1	ug/L	08/17/2022	R&C	EPA 6020B	
Boron	4200.0	ug/L	08/13/2022	R&C	EPA 6010D	
Lithium	<10	ug/L	08/13/2022	R&C	EPA 6010D	
Molybdenum	<10	ug/L	08/13/2022	R&C	EPA 6010D	
Mercury	<0.2	ug/L	06/30/2022	GEL	EPA 7470	
Iron	14000	ug/L	08/16/2022	R&C	EPA 6010D	
Potassium	2.40	ug/L	08/16/2022	R&C	EPA 6010D	
Sodium	64.0	ug/L	08/16/2022	R&C	EPA 6010D	
Magnesium	13.0	ug/L	08/16/2022	R&C	EPA 6010D	
Fluoride	<0.10	mg/L	06/28/2022	KCWELLS	EPA 300.0	
Chloride	610	mg/L	06/28/2022	KCWELLS	EPA 300.0	
Sulfate	358	mg/L	06/28/2022	KCWELLS	EPA 300.0	
Total Dissolved Solids	2349	mg/L	07/08/2022	AMSOULE	SM 2540C	
Radium 226	1.84	pCi/L	07/13/2022	GEL	EPA 903.1 Mod	
Radium 228	0.955	pCi/L	07/07/2022	GEL	EPA 904.0	
Radium 226/228 Combined Calculation	2.80	pCi/L	07/25/2022	GEL	EPA 903.1 Mod	
pH	6.62	SU	06/23/2022	DEW/DJ		
Arsenic Dissolved	<10	ug/L	08/13/2022	R&C	EPA 6020B	
Cadmium	<4	ug/L	08/13/2022	R&C	EPA 6010D	
Copper	<5	ug/L	08/13/2022	R&C	EPA 6010D	
Nickel	<10	ug/L	08/05/2022	R&C	EPA 6010D	
Lead	<10	ug/L	08/13/2022	R&C	EPA 6010D	
Zinc	<10	ug/L	08/13/2022	R&C	EPA 6010D	

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

validated date: 9/12/22



SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF36868 Location: GW Well CAP-8 Date: 06/23/2022 Sample Collector: DEW/DJ

Loc. Code CAP-8 Time: 10:05

Loc. Code CAP-6	Time: 10.05					
Analysis	Result	Units	Test Date	Analyst	Method	
Aluminum	0.0780	ug/L	08/16/2022	R&C	EPA 6010C	
Arsenic	<10	ug/L	08/15/2022	R&C	EPA 6020B	
Barium	57.0	ug/L	08/05/2022	R&C	EPA 6010D	
Beryllium	<1	ug/L	08/16/2022	R&C	EPA 6020B	
Calcium	850.0	ug/L	08/16/2022	R&C	EPA 6010D	
Cobalt	37.00	ug/L	08/16/2022	R&C	EPA 6020B	
Chromium	<10	ug/L	08/16/2022	R&C	EPA 6020B	
Antimony	<5	ug/L	09/10/2022	EUROFINS SAV	EPA 6020B	
Antimony	<50	ug/L	08/05/2022	R&C	EPA 6010D	
Selenium	<20	ug/L	08/05/2022	R&C	EPA 6010D	
Thallium	<1	ug/L	08/17/2022	R&C	EPA 6020B	
Boron	21000.0	ug/L	08/13/2022	R&C	EPA 6010D	
Lithium	68.0	ug/L	08/13/2022	R&C	EPA 6010D	
Molybdenum	<10	ug/L	08/13/2022	R&C	EPA 6010D	
Mercury	<0.2	ug/L	06/30/2022	GEL	EPA 7470	
Iron	11000	ug/L	08/16/2022	R&C	EPA 6010D	
Potassium	18.0	ug/L	08/16/2022	R&C	EPA 6010D	
Sodium	170	ug/L	08/16/2022	R&C	EPA 6010D	
Magnesium	150	ug/L	08/16/2022	R&C	EPA 6010D	
Fluoride	0.19	mg/L	06/28/2022	KCWELLS	EPA 300.0	
Chloride	1350	mg/L	06/28/2022	KCWELLS	EPA 300.0	
Sulfate	1400	mg/L	06/28/2022	KCWELLS	EPA 300.0	
Total Dissolved Solids	5832	mg/L	07/08/2022	AMSOULE	SM 2540C	
Radium 226	0.756	pCi/L	07/13/2022	GEL	EPA 903.1 Mod	
Radium 228	1.21	pCi/L	07/07/2022	GEL	EPA 904.0	
Radium 226/228 Combined Calculation	1.97	pCi/L	07/25/2022	GEL	EPA 903.1 Mod	
pH	6.48	SU	06/02/2022	DEW/DJ		
Arsenic Dissolved	<10	ug/L	08/13/2022	R&C	EPA 6020B	
Cadmium	<4	ug/L	08/13/2022	R&C	EPA 6010D	
Copper	<5	ug/L	08/13/2022	R&C	EPA 6010D	
Nickel	19.0	ug/L	08/05/2022	R&C	EPA 6010D	
Lead	<10	ug/L	08/13/2022	R&C	EPA 6010D	
Zinc	<10	ug/L	08/13/2022	R&C	EPA 6010D	

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

Validated date: 9/12/22



SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF36871 Location: GW Well CAP-10 Date: 06/22/2022 Sample Collector: DEW/ML

Loc. Code CAP-10 Time: 14:45

Loc. Code CAP-10	11111e: 14.45					
Analysis	Result	Units	Test Date	Analyst	Method	
Aluminum	<0.05	ug/L	08/16/2022	R&C	EPA 6010C	
Arsenic	<10	ug/L	08/16/2022	R&C	EPA 6020B	
Barium	85.0	ug/L	08/05/2022	R&C	EPA 6010D	
Beryllium	<1	ug/L	08/16/2022	R&C	EPA 6020B	
Calcium	100.0	ug/L	08/16/2022	R&C	EPA 6010D	
Cobalt	<4	ug/L	08/16/2022	R&C	EPA 6020B	
Chromium	<10	ug/L	08/16/2022	R&C	EPA 6020B	
Antimony	<5	ug/L	09/10/2022	EUROFINS SAV	EPA 6020B	
Antimony	<50	ug/L	08/05/2022	R&C	EPA 6010D	
Selenium	<20	ug/L	08/05/2022	R&C	EPA 6010D	
Thallium	<1	ug/L	08/16/2022	R&C	EPA 6020B	
Boron	220.0	ug/L	08/16/2022	R&C	EPA 6010D	
Lithium	<10	ug/L	08/16/2022	R&C	EPA 6010D	
Molybdenum	<10	ug/L	08/16/2022	R&C	EPA 6010D	
Mercury	<0.2	ug/L	06/29/2022	GEL	EPA 7470	
Iron	1500	ug/L	08/16/2022	R&C	EPA 6010D	
Potassium	1.10	ug/L	08/16/2022	R&C	EPA 6010D	
Sodium	13.0	ug/L	08/16/2022	R&C	EPA 6010D	
Magnesium	2.00	ug/L	08/16/2022	R&C	EPA 6010D	
Fluoride	<0.10	mg/L	06/24/2022	KCWELLS	EPA 300.0	
Chloride	62.8	mg/L	06/24/2022	KCWELLS	EPA 300.0	
Sulfate	24.3	mg/L	06/24/2022	KCWELLS	EPA 300.0	
Total Dissolved Solids	510.0	mg/L	07/08/2022	AMSOULE	SM 2540C	
Radium 226	0.936	pCi/L	07/12/2022	GEL	EPA 903.1 Mod	
Radium 228	0.380	pCi/L	08/10/2022	GEL	EPA 904.0	
Radium 226/228 Combined Calculation	1.32	pCi/L	08/29/2022	GEL	EPA 903.1 Mod	
pH	6.93	SU	06/22/2022	DEW/ML		
Arsenic Dissolved	<5.0	ug/L	08/13/2022	R&C	EPA 6020B	
Cadmium	<4	ug/L	08/16/2022	R&C	EPA 6010D	
Copper	<10	ug/L	08/16/2022	R&C	EPA 6010D	
Nickel	<10	ug/L	08/05/2022	R&C	EPA 6010D	
Lead	<10	ug/L	08/16/2022	R&C	EPA 6010D	
Zinc	<10	ug/L	08/16/2022	R&C	EPA 6010D	

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

Validated date: 9/12/22



SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF47633 Location: GW Well PM-1

Date: 10/25/2022

Time: 09:27

Sample Collector: WJK/ML

Loc. Code PM-1

	Time, vo.z.					
Analysis	Result	Units	Test Date	Analyst	Method	
Arsenic	<3	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B	
Barium	85.1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Beryllium	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
Calcium	13.10	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D	
Cadmium	<0.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Cobalt	1.89	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B	
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Lead	<2.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Selenium	<10	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
Thallium	<1	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Boron	43.7	ug/L	11/21/2022	SJHATCHE	EPA 6010D	
Lithium	5.44	ug/L	11/21/2022	SJHATCHE	EPA 6010D	
Molybdenum	<5.00	ug/L	11/21/2022	SJHATCHE	EPA 6010D	
Mercury	<0.6	ug/L	12/09/2022	EUROFINS SAV	EPA 7470	
Iron	10900	ug/l	11/08/2022	EUROFINS SAV	EPA 6010D	
Potassium	<1	mg/L	11/08/2022	EUROFINS SAV	EPA 6010D	
Sodium	5.68	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D	
Magnesium	0.650	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D	
Manganese	12.9	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B	
Sulfide	<0.1	mg/L	10/31/2022	GEL	EPA 9034	
Total Organic Carbon	5.25	mg/L	11/02/2022	GEL	SM 5310B	
Dissoloved Organic Carbon	5.37	mg/L	11/03/2022	GEL	SM 5310B	
Nitrate-Nitrite Cadmium Reduction	<0.1	mg/L	11/04/2022	GEL	EPA 353.2	
Fluoride	<0.10	mg/L	11/02/2022	KCWELLS	EPA 300.0	
Chloride	12.7	mg/L	11/02/2022	KCWELLS	EPA 300.0	
Sulfate	7.99	mg/L	11/02/2022	KCWELLS	EPA 300.0	
Total Dissolved Solids	96.25	mg/L	11/03/2022	KCWELLS	SM 2540C	
Radium 226	0.738	pCi/L	11/06/2022	GEL	EPA 903.1 Mod	
Radium 228	2.16	pCi/L	11/04/2022	GEL	EPA 904.0	
Radium 226/228 Combined Calculation	2.90	pCi/L	11/07/2022	GEL	EPA 903.1 Mod	
pH	5.01	SU	10/25/2022	WJK/ML		
Alkalinity	34.4	mg/L	11/01/2022	GEL	SM 2320B	
Alkalinity as CaCO3	<4	mg/L	11/01/2022	GEL	SM2320B	
Bicarbonate Alkalinity	34.4	mg/L	11/01/2022	GEL	SM 2320B	
Beryllium Dissolved	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
Cobalt Dissolved	3	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
Lithium Dissolved	6	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D	
Iron - Dissolved	10900	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B	
Manganese Dissolved	13	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
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Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:



SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF47632 Location: GW Well CBW-1 Date: 10/25/2022 Sample Collector: WJK/ML

Loc. Code CBW-1 Time: 10:34

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/I	11/09/2022	EUROFINS SAV	EPA 6020B
Barium	46.6	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Beryllium	<0.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Calcium	27.50	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D
Cadmium	<0.5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Cobalt	0.63	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Lead	3.2	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Selenium	<10	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Boron	20.3	ug/L	11/21/2022	SJHATCHE	EPA 6010D
Lithium	<5.00	ug/L	11/21/2022	SJHATCHE	EPA 6010D
Molybdenum	<5.00	ug/L	11/21/2022	SJHATCHE	EPA 6010D
Mercury	<0.4	ug/L	12/09/2022	EUROFINS SAV	EPA 7470
Iron	<100	ug/l	11/08/2022	EUROFINS SAV	EPA 6010D
Potassium	<1	mg/L	11/08/2022	EUROFINS SAV	EPA 6010D
Sodium	5.74	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D
Magnesium	1.82	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D
Manganese	14.5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Sulfide	<0.1	mg/L	10/31/2022	GEL	EPA 9034
Total Organic Carbon	1.64	mg/L	11/02/2022	GEL	SM 5310B
Dissoloved Organic Carbon	2.53	mg/L	11/03/2022	GEL	SM 5310B
Nitrate-Nitrite Cadmium Reduction	0.655	mg/L	11/04/2022	GEL	EPA 353.2
Fluoride	<0.10	mg/L	11/02/2022	KCWELLS	EPA 300.0
Chloride	3.78	mg/L	11/02/2022	KCWELLS	EPA 300.0
Sulfate	80.4	mg/L	11/02/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	110.0	mg/L	11/03/2022	KCWELLS	SM 2540C
Radium 226	0.630	pCi/L	11/06/2022	GEL	EPA 903.1 Mod
Radium 228	1.88	pCi/L	11/04/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	2.51	pCi/L	11/07/2022	GEL	EPA 903.1 Mod
pH	4.31	SU	10/25/2022	WJK/ML	
Alkalinity	<4	mg/L	11/01/2022	GEL	SM 2320B
Alkalinity as CaCO3	<4	mg/L	11/01/2022	GEL	SM2320B
Bicarbonate Alkalinity	<4	mg/L	11/01/2022	GEL	SM 2320B
Beryllium Dissolved	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Cobalt Dissolved	<2	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Lithium Dissolved	<5	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D
Iron - Dissolved	264	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B
Manganese Dissolved	13	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF47621 Location: GW Well CAP-1 Date: 10/26/2022 Sample Collector: WJK/ML

Loc. Code CAP-1 Time: 11:47

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B
Barium	46.7	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Beryllium	5.2	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Calcium	181.0	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D
Cadmium	<0.5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Cobalt	15.30	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Lead	<2.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Boron	562	ug/L	11/21/2022	SJHATCHE	EPA 6010D
Lithium	80.3	ug/L	11/21/2022	SJHATCHE	EPA 6010D
Molybdenum	<5.00	ug/L	11/21/2022	SJHATCHE	EPA 6010D
Mercury	<0.2	ug/L	12/09/2022	EUROFINS SAV	EPA 7470
Iron	54800	ug/l	11/08/2022	EUROFINS SAV	EPA 6010D
Potassium	<1	mg/L	11/08/2022	EUROFINS SAV	EPA 6010D
Sodium	44.6	mg/L	11/08/2022	EUROFINS SAV	EPA 6010D
Magnesium	6.72	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D
Manganese	141.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Sulfide	<0.1	mg/L	10/31/2022	GEL	EPA 9034
Total Organic Carbon	10.1	mg/L	11/02/2022	GEL	SM 5310B
Dissoloved Organic Carbon	9.67	mg/L	11/03/2022	SUB_GEL	SM 5310B
Nitrate-Nitrite Cadmium Reduction	<0.1	mg/L	11/04/2022	GEL	EPA 353.2
Fluoride	1.09	mg/L	11/02/2022	KCWELLS	EPA 300.0
Chloride	95.1	mg/L	11/02/2022	KCWELLS	EPA 300.0
Sulfate	396	mg/L	11/02/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	1049	mg/L	11/03/2022	KCWELLS	SM 2540C
Radium 226	0.391	pCi/L	11/06/2022	GEL	EPA 903.1 Mod
Radium 228	2.62	pCi/L	11/04/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	3.01	pCi/L	11/07/2022	GEL	EPA 903.1 Mod
pH	5.70	SU	10/26/2022	WJK/ML	
Alkalinity	106	mg/L	11/08/2022	GEL	SM 2320B
Alkalinity as CaCO3	<4	mg/L	11/08/2022	GEL	SM2320B
Bicarbonate Alkalinity	106	mg/L	11/08/2022	GEL	SM 2320B
Beryllium Dissolved	4	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Cobalt Dissolved	15	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Lithium Dissolved	63	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D
Iron - Dissolved	55600	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B
Manganese Dissolved	196	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:



One Riverwood Drive P.O. Box 2946101 Mancks Corner, SC 29461-2901

(843) 761-8000

SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF47622 Location: GW Well CAP-3 Date: 10/27/2022 Sample Collector: WJK/ML

Loc. Code CAP-3 Time: 14:46

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Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B
Barium	83.8	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Beryllium	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Calcium	549.0	mg/l	11/09/2022	EUROFINS SAV	EPA 6010D
Cadmium	<0.5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Cobalt	28.60	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Lead	<2.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B
Boron	5770	ug/L	11/21/2022	SJHATCHE	EPA 6010D
Lithium	13.5	ug/L	11/21/2022	SJHATCHE	EPA 6010D
Molybdenum	<5.00	ug/L	11/21/2022	SJHATCHE	EPA 6010D
Mercury	<0.2	ug/L	12/09/2022	EUROFINS SAV	EPA 7470
Iron	1230	ug/l	11/09/2022	EUROFINS SAV	EPA 6010D
Potassium	3.89	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D
Sodium	81.8	mg/L	11/09/2022	EUROFINS SAV	EPA 6010D
Magnesium	52.0	mg/l	11/09/2022	EUROFINS SAV	EPA 6010D
Manganese	3730.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Sulfide	<0.1	mg/L	10/31/2022	SUB_GEL	EPA 9034
Total Organic Carbon	4.27	mg/L	11/02/2022	SUB_GEL	SM 5310B
Dissoloved Organic Carbon	5.15	mg/L	11/04/2022	SUB_GEL	SM 5310B
Nitrate-Nitrite Cadmium Reduction	<0.1	mg/L	11/04/2022	SUB_GEL	EPA 353.2
Fluoride	<0.10	mg/L	11/02/2022	KCWELLS	EPA 300.0
Chloride	505	mg/L	11/02/2022	KCWELLS	EPA 300.0
Sulfate	737	mg/L	11/02/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	2764	mg/L	11/03/2022	KCWELLS	SM 2540C
Radium 226	0.777	pCi/L	11/07/2022	GEL	EPA 903.1 Mod
Radium 228	1.51	pCi/L	11/04/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	2.29	pCi/L	11/07/2022	GEL	EPA 903.1 Mod
рН	6.27	SU	10/27/2022	WJK/ML	
Alkalinity	318	mg/L	11/08/2022	SUB_GEL	SM 2320B
Alkalinity as CaCO3	<4	mg/L	11/08/2022	SUB_GEL	SM2320B
Bicarbonate Alkalinity	318	mg/L	11/08/2022	SUB_GEL	SM 2320B
Beryllium Dissolved	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Cobalt Dissolved	25	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Lithium Dissolved	7	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D
Iron - Dissolved	1330	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B
Manganese Dissolved	3290	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
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Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Time: 13:24

Sample # AF47623 Location: GW Well CAP-4 Date: 10/27/2022 Sample Collector: WJK/ML

Loc. Code CAP-4

LOC. Code CAP-4	Time: 13.24					
Analysis	Result	Units	Test Date	Analyst	Method	
Arsenic	<3	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B	
Barium	133	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Beryllium	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
Calcium	697.0	mg/l	11/09/2022	EUROFINS SAV	EPA 6010D	
Cadmium	<0.5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Cobalt	<0.5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Lead	<2.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Selenium	<5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Thallium	<1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Boron	10100	ug/L	11/21/2022	SJHATCHE	EPA 6010D	
Lithium	33.2	ug/L	11/21/2022	SJHATCHE	EPA 6010D	
Molybdenum	<5.00	ug/L	11/21/2022	SJHATCHE	EPA 6010D	
Mercury	<0.2	ug/L	12/09/2022	EUROFINS SAV	EPA 7470	
Iron	13100	ug/l	11/09/2022	EUROFINS SAV	EPA 6010D	
Potassium	8.51	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D	
Sodium	129	mg/L	11/09/2022	EUROFINS SAV	EPA 6010D	
Magnesium	76.5	mg/l	11/09/2022	EUROFINS SAV	EPA 6010D	
Manganese	660.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Sulfide	<0.1	mg/L	10/31/2022	SUB_GEL	EPA 9034	
Total Organic Carbon	3.31	mg/L	11/02/2022	SUB_GEL	SM 5310B	
Dissoloved Organic Carbon	4.06	mg/L	11/04/2022	SUB_GEL	SM 5310B	
Nitrate-Nitrite Cadmium Reduction	<0.1	mg/L	11/04/2022	SUB_GEL	EPA 353.2	
Fluoride	<0.10	mg/L	11/02/2022	KCWELLS	EPA 300.0	
Chloride	964	mg/L	11/02/2022	KCWELLS	EPA 300.0	
Sulfate	844	mg/L	11/02/2022	KCWELLS	EPA 300.0	
Total Dissolved Solids	3826	mg/L	11/03/2022	KCWELLS	SM 2540C	
Radium 226	0.641	pCi/L	11/06/2022	GEL	EPA 903.1 Mod	
Radium 228	1.92	pCi/L	11/04/2022	GEL	EPA 904.0	
Radium 226/228 Combined Calculation	2.56	pCi/L	11/07/2022	GEL	EPA 903.1 Mod	
рН	6.38	SU	10/27/2022	WJK/ML		
Alkalinity	233	mg/L	11/08/2022	SUB_GEL	SM 2320B	
Alkalinity as CaCO3	<4	mg/L	11/08/2022	SUB_GEL	SM2320B	
Bicarbonate Alkalinity	233	mg/L	11/08/2022	SUB_GEL	SM 2320B	
Beryllium Dissolved	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
Cobalt Dissolved	<2	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
Lithium Dissolved	19	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D	
Iron - Dissolved	12800	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B	
Manganese Dissolved	610	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
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Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF47624 Location: GW Well CAP-5 Date: 10/27/2022 Sample Collector: WJK/ML

Loc. Code CAP-5 Time: 12:15

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B
Barium	1540	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Berylfium	5.2	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Calcium	152.0	mg/l	11/09/2022	EUROFINS SAV	EPA 6010D
Cadmium	<0.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Cobalt	15.10	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Lead	8.8	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Boron	70.9	ug/L	11/21/2022	SJHATCHE	EPA 6010D
Lithium	20.0	ug/L	11/21/2022	SJHATCHE	EPA 6010D
Molybdenum	<5.00	ug/L	11/21/2022	SJHATCHE	EPA 6010D
Mercury	<0.2	ug/L	12/09/2022	EUROFINS SAV	EPA 7470
Iron	120000	ug/l	11/09/2022	EUROFINS SAV	EPA 6010D
Potassium	<1	mg/L	11/09/2022	EUROFINS SAV	EPA 6010D
Sodium	78.7	mg/L	11/09/2022	EUROFINS SAV	EPA 6010D
Magnesium	3.99	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D
Manganese	80.3	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B
Sulfide	<0.1	mg/L	10/31/2022	SUB_GEL	EPA 9034
Total Organic Carbon	3.28	mg/L	11/02/2022	SUB_GEL	SM 5310B
Dissoloved Organic Carbon	4.32	mg/L	11/04/2022	SUB_GEL	SM 5310B
Nitrate-Nitrite Cadmium Reduction	0.124	mg/L	11/04/2022	SUB_GEL	EPA 353.2
Fluoride	0.50	mg/L	11/08/2022	KCWELLS	EPA 300.0
Chloride	553	mg/L	11/08/2022	KCWELLS	EPA 300.0
Sulfate	2.41	mg/L	11/08/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	1558	mg/L	11/03/2022	KCWELLS	SM 2540C
Radium 226	6.45	pCi/L	11/06/2022	GEL	EPA 903.1 Mod
Radium 228	12.9	pCi/L	11/07/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	19.4	pCi/L	11/07/2022	GEL	EPA 903.1 Mod
pH	3.77	su	10/27/2022	WJK/ML	
Alkalinity	<4	mg/L	11/08/2022	SUB_GEL	SM 2320B
Alkalinity as CaCO3	<4	mg/L	11/08/2022	SUB_GEL	SM2320B
Bicarbonate Alkalinity	<4	mg/L	11/08/2022	SUB_GEL	SM 2320B
Beryllium Dissolved	5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Cobalt Dissolved	14	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Lithium Dissolved	12	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D
Iron - Dissolved	118000	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B
Manganese Dissolved	84	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF47625 Location: GW Well CAP-6 Date: 10/27/2022 Sample Collector: WJK/ML

Loc. Code CAP-6 Time: 11:01

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LOC. COde OAF-0	Time, it.or						
Analysis	Result	Units	Test Date	Analyst	Method		
Arsenic	<3	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B		
Barium	338	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B		
Beryllium	<0.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B		
Calcium	472.0	mg/l	11/09/2022	EUROFINS SAV	EPA 6010D		
Cadmium	<0.5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B		
Cobalt	<0.5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B		
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B		
Lead	<2.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B		
Antimony	< 5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B		
Selenium	<5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B		
Thallium	<1	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B		
Boron	4250	ug/L	11/21/2022	SJHATCHE	EPA 6010D		
Lithium	6.78	ug/L	11/21/2022	SJHATCHE	EPA 6010D		
Molybdenum	<5.00	ug/L	11/21/2022	SJHATCHE	EPA 6010D		
Mercury	<0.2	ug/L	12/09/2022	EUROFINS SAV	EPA 7470		
Iron	15300	ug/l	11/09/2022	EUROFINS SAV	EPA 6010D		
Potassium	1.45	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D		
Sodium	70.2	mg/L	11/09/2022	EUROFINS SAV	EPA 6010D		
Magnesium	15.2	mg/l	11/09/2022	EUROFINS SAV	EPA 6010D		
Manganese	452.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B		
Sulfide	<0.1	mg/L	10/31/2022	SUB_GEL	EPA 9034		
Total Organic Carbon	2.68	mg/L	11/02/2022	SUB_GEL	SM 5310B		
Dissoloved Organic Carbon	3.37	mg/L	11/04/2022	SUB_GEL	SM 5310B		
Nitrate-Nitrite Cadmium Reduction	<0.1	mg/L	11/04/2022	SUB_GEL	EPA 353.2		
Fluoride	<0.10	mg/L	11/08/2022	KCWELLS	EPA 300.0		
Chloride	536	mg/L	11/08/2022	KCWELLS	EPA 300.0		
Sulfate	334	mg/L	11/08/2022	KCWELLS	EPA 300.0		
Total Dissolved Solids	2424	mg/L	11/03/2022	KCWELLS	SM 2540C		
Radium 226	1.58	pCi/L	11/06/2022	GEL	EPA 903.1 Mod		
Radium 228	2.32	pCi/L	11/04/2022	GEL	EPA 904.0		
Radium 226/228 Combined Calculation	3.90	pCi/L	11/07/2022	GEL	EPA 903.1 Mod		
рН	6.58	SU	10/27/2022	WJK/ML			
Alkalinity	199	mg/L	11/08/2022	SUB_GEL	SM 2320B		
Alkalinity as CaCO3	<4	mg/L	11/08/2022	SUB_GEL	SM2320B		
Bicarbonate Alkalinity	199	mg/L	11/08/2022	SUB_GEL	SM 2320B		
Beryllium Dissolved	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B		
Cobalt Dissolved	<2	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B		
Lithium Dissolved	<5	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D		
Iron - Dissolved	14300	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B		
Manganese Dissolved	517	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B		

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:



Loc. Code CAP-7

One Riverwood Drive P.O. Box 2946101 Moncks Corner, SC 29461-2901 (843) 761-8000

SANTEE COOPER ANALYTICAL SERVICES

Time: 09:41

CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

 Sample # AF47626
 Location: GW Well CAP-7
 Date: 10/27/2022

Sample Collector: WJK/ML

Luc. Code Oni "	13116. 05.41					
Analysis	Result	Units	Test Date	Analyst	Method	
Arsenic	4.83	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B	
Barium	48.3	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Beryllium	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
Calcium	1300	mg/l	11/09/2022	EUROFINS SAV	EPA 6010D	
Cadmium	<0.5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Cobalt	10.40	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Lead	<2.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Selenium	<5	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B	
Thallium	<1	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B	
Boron	32400	ug/L	11/22/2022	SJHATCHE	EPA 6010D	
Lithium	<5.00	ug/L	11/21/2022	SJHATCHE	EPA 6010D	
Molybdenum	<5.00	ug/L	11/21/2022	SJHATCHE	EPA 6010D	
Mercury	<0.2	ug/L	12/09/2022	EUROFINS SAV	EPA 7470	
Iron	204000	ug/l	11/09/2022	EUROFINS SAV	EPA 6010D	
Potassium	20.8	mg/l	11/09/2022	EUROFINS SAV	EPA 6010D	
Sodium	194	mg/L	11/09/2022	EUROFINS SAV	EPA 6010D	
Magnesium	349	mg/l	11/09/2022	EUROFINS SAV	EPA 6010D	
Manganese	10200.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Sulfide	<0.1	mg/L	10/31/2022	SUB_GEL	EPA 9034	
Total Organic Carbon	9.64	mg/L	11/02/2022	SUB_GEL	SM 5310B	
Dissoloved Organic Carbon	9.93	mg/L	11/04/2022	SUB_GEL	SM 5310B	
Nitrate-Nitrite Cadmium Reduction	0.033	mg/L	11/04/2022	SUB_GEL	EPA 353.2	
Fluoride	<0.10	mg/L	11/08/2022	KCWELLS	EPA 300.0	
Chloride	2320	mg/L	11/08/2022	KCWELLS	EPA 300.0	
Sulfate	1410	mg/L	11/08/2022	KCWELLS	EPA 300.0	
Total Dissolved Solids	7940	mg/L	11/03/2022	KCWELLS	SM 2540C	
Radium 226	1.26	pCi/L	11/06/2022	GEL	EPA 903.1 Mod	
Radium 228	4.92	pCi/L	11/04/2022	GEL	EPA 904.0	
Radium 226/228 Combined Calculation	6.18	pCi/L	11/07/2022	GEL	EPA 903.1 Mod	
pH	5.38	su	10/27/2022	WJK/ML		
Alkalinity	73.6	mg/L	11/08/2022	SUB_GEL	SM 2320B	
Alkalinity as CaCO3	<4	mg/L	11/08/2022	SUB_GEL	SM2320B	
Bicarbonate Alkalinity	73.6	mg/L	11/08/2022	SUB_GEL	SM 2320B	
Beryllium Dissolved	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
Cobalt Dissolved	9	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
Lithium Dissolved	<5	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D	
Iron - Dissolved	219000	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B	
Manganese Dissolved	8830	ug/l	11/15/2022	EUROFINS SAV	EPA 6020B	
이는 하고 기구를 보고 있는 중요하다 경기 가입니다.				그		

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID# 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID# 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Calicot, Inc.- Lab ID# 23105001

Analysis Validated:

SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF47627 Location: GW Well CAP-8 Date: 10/26/2022 Sample Collector: WJK/ML

Loc. Code CAP-8 Time: 15:32

	Time. 10.02					
Analysis	Result	Units	Test Date	Analyst	Method	
Arsenic	4.35	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Barium	56.2	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Beryllium	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
Calcium	1120	mg/l	11/09/2022	EUROFINS SAV	EPA 6010D	
Cadmium	<0.5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Cobalt	43.10	u g/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Lead	<2.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Selenium	<5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Thallium	<1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Boron	20400	ug/L	11/21/2022	SJHATCHE	EPA 6010D	
Lithium	87.3	ug/L	11/21/2022	SJHATCHE	EPA 6010D	
Molybdenum	<5.00	ug/L	11/21/2022	SJHATCHE	EPA 6010D	
Mercury	<0.2	ug/L	12/09/2022	EUROFINS SAV	EPA 7470	
Iron	10200	ug/l	11/09/2022	EUROFINS SAV	EPA 6010D	
Potassium	10.4	mg/l	11/09/2022	EUROFINS SAV	EPA 6010D	
Sodium	183	mg/L	11/09/2022	EUROFINS SAV	EPA 6010D	
Magnesium	143	mg/l	11/09/2022	EUROFINS SAV	EPA 6010D	
Manganese	6170.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Sulfide	<0.1	mg/L	10/31/2022	SUB_GEL	EPA 9034	
Total Organic Carbon	3.76	mg/L	11/02/2022	SUB_GEL	SM 5310B	
Dissoloved Organic Carbon	4.19	mg/L	11/04/2022	SUB_GEL	SM 5310B	
Nitrate-Nitrite Cadmium Reduction	<0.1	mg/L	11/04/2022	SUB_GEL	EPA 353.2	
Fluoride	<0.10	mg/L	11/08/2022	KCWELLS	EPA 300.0	
Chloride	1230	mg/L	11/08/2022	KCWELLS	EPA 300.0	
Sulfate	1280	mg/L	11/08/2022	KCWELLS	EPA 300.0	
Total Dissolved Solids	6059	mg/L	11/03/2022	KCWELLS	SM 2540C	
Radium 226	1.02	pCi/L	11/06/2022	GEL	EPA 903.1 Mod	
Radium 228	2.74	pCi/L	11/04/2022	GEL	EPA 904.0	
Radium 226/228 Combined Calculation	3.76	pCi/L	11/07/2022	GEL	EPA 903.1 Mod	
pH	6.39	SU	10/26/2022	WJK/ML		
Alkalinity	212	mg/L	11/08/2022	SUB_GEL	SM 2320B	
Alkalinity as CaCO3	<4	mg/L	11/08/2022	SUB_GEL	SM2320B	
Bicarbonate Alkalinity	212	mg/L	11/08/2022	SUB_GEL	SM 2320B	
Beryllium Dissolved	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
Cobalt Dissolved	37	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
Lithium Dissolved	51	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D	
Iron - Dissolved	12300	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B	
Manganese Dissolved	5130	ug/l	11/15/2022	EUROFINS SAV	EPA 6020B	

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:



SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF47628 Location: GW Well CAP-9 Date: 10/26/2022 Sample Collector: WJK/ML

Loc. Code CAP-9 Time: 14:05

Loc. oode Ora o	1800 - 14.00					
Analysis	Result	Units	Test Date	Analyst	Method	
Arsenic	<3	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B	
Barium	41.2	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Beryllium	24.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Calcium	486.0	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D	
Cadmium	1.5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Cobalt	50.10	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Lead	18.7	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Selenium	14	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Thallium	<1	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Boron	8300	ug/L	11/21/2022	SJHATCHE	EPA 6010D	
Lithium	77.6	ug/L	11/21/2022	SJHATCHE	EPA 6010D	
Molybdenum	<5.00	ug/L	11/21/2022	SJHATCHE	EPA 6010D	
Mercury	<0.6	ug/L	12/09/2022	EUROFINS SAV	EPA 7470	
Iron	94300	ug/l	11/08/2022	EUROFINS SAV	EPA 6010D	
Potassium	6.89	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D	
Sodium	133	mg/L	11/08/2022	EUROFINS SAV	EPA 6010D	
Magnesium	52.7	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D	
Manganese	1250.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Sulfide	<0.1	mg/L	10/31/2022	SUB_GEL	EPA 9034	
Total Organic Carbon	3.84	mg/L	11/02/2022	SUB_GEL	SM 5310B	
Dissoloved Organic Carbon	4.40	mg/L	11/03/2022	SUB_GEL	SM 5310B	
Nitrate-Nitrite Cadmium Reduction	<0.1	mg/L	11/04/2022	SUB_GEL	EPA 353.2	
Fluoride	1.44	mg/L	11/08/2022	KCWELLS	EPA 300.0	
Chloride	1060	mg/L	11/08/2022	KCWELL\$	EPA 300.0	
Sulfate	651	mg/L	11/08/2022	KCWELLS	EPA 300.0	
Total Dissolved Solids	3772	mg/L	11/03/2022	KCWELLS	SM 2540C	
Radium 226	0.832	pCi/L	11/06/2022	GEL	EPA 903.1 Mod	
Radium 228	4.81	pCi/L	11/04/2022	GEL	EPA 904.0	
Radium 226/228 Combined Calculation	5.64	pCi/L	11/07/2022	GEL	EPA 903.1 Mod	
pH	3.62	su	10/26/2022	WJK/ML		
Alkalinity	<4	mg/L	11/08/2022	SUB_GEL	SM 2320B	
Alkalinity as CaCO3	<4	mg/L	11/08/2022	SUB_GEL	SM2320B	
Bicarbonate Alkalinity	<4	mg/L	11/08/2022	SUB_GEL	SM 2320B	
Beryllium Dissolved	20	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
Cobalt Dissolved	41	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
Lithium Dissolved	60	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D	
Iron - Dissolved	98800	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B	
Manganese Dissolved	1010	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF47629 Location: GW Well CAP-9 Date: 10/26/2022 Sample Collector: WJK/ML

Loc. Code CAP-9 DUP Time: 14:10

Loc. Code CAP-9	DUP		Time: 14:10		
Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B
Barium	40.2	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Beryllium	23.6	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Calcium	483.0	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D
Cadmium	1.6	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Cobalt	47.30	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Lead	17,7	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Selenium	14	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Boron	8150	ug/L	11/21/2022	SJHATCHE	EPA 6010D
Lithium	76.9	ug/L	11/21/2022	SJHATCHE	EPA 6010D
Molybdenum	<5.00	ug/L	11/21/2022	SJHATCHE	EPA 6010D
Mercury	<0.4	ug/L	12/09/2022	EUROFINS SAV	EPA 7470
Iron	93200	ug/l	11/08/2022	EUROFINS SAV	EPA 6010D
Potassium	6.81	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D
Sodium	133	mg/L	11/08/2022	EUROFINS SAV	EPA 6010D
Magnesium	52.4	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D
Manganese	1180.0	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B
Sulfide	<0.1	mg/L	10/31/2022	SUB_GEL	EPA 9034
Total Organic Carbon	3.77	mg/L	11/02/2022	\$UB_GEL	SM 5310B
Dissoloved Organic Carbon	4.56	mg/L	11/03/2022	SUB_GEL	SM 5310B
Nitrate-Nitrite Cadmium Reduction	<0.1	mg/L	11/04/2022	SUB_GEL	EPA 353.2
Fluoride	0.98	mg/L	11/08/2022	KCWELLS	EPA 300.0
Chloride	1070	mg/L	11/08/2022	KCWELLS	EPA 300.0
Sulfate	655	mg/L	11/08/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	3631	mg/L	11/03/2022	KCWELLS	SM 2540C
Radium 226	0.518	pCi/L	11/06/2022	GEL	EPA 903.1 Mod
Radium 228	4.75	pCi/L	11/04/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	5.27	pCi/L	11/07/2022	GEL	EPA 903.1 Mod
Alkalinity	<4	mg/L	11/08/2022	SUB_GEL	SM 2320B
Alkalinity as CaCO3	<4	mg/L	11/08/2022	SUB_GEL	SM2320B
Bicarbonate Alkalinity	<4	mg/L	11/08/2022	SUB_GEL	SM 2320B
Beryllium Dissolved	20	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Cobalt Dissolved	42	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Lithium Dissolved	63	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D
Iron - Dissolved	102000	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B
Manganese Dissolved	1040	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
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Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID# 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID# 23105001

Analysis Validated:

Validated date:12/13/22

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF47630 Location: GW Well CAP-10 Date: 10/26/2022 Sample Collector: WJK/ML

Loc. Code CAP-10 Time: 12:58

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B
Barium	94.8	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Beryllium	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Calcium	85.20	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D
Cadmium	<0.5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Cobalt	<0.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Lead	<2.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B
Boron	82.8	ug/L	11/21/2022	SJHATCHE	EPA 6010D
Lithium	7.01	ug/L	11/21/2022	SJHATCHE	EPA 6010D
Molybdenum	<5.00	ug/L	11/21/2022	SJHATCHE	EPA 6010D
Mercury	<0.2	ug/L	12/09/2022	EUROFINS SAV	EPA 7470
Iron	2230	ug/l	11/08/2022	EUROFINS SAV	EPA 6010D
Potassium	<1	mg/L	11/08/2022	EUROFINS SAV	EPA 6010D
Sodium	12.4	mg/L	11/08/2022	EUROFINS SAV	EPA 6010D
Magnesium	1.86	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D
Manganese	56.2	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Sulfide	<0.1	mg/L	10/31/2022	SUB_GEL	EPA 9034
Total Organic Carbon	<1	mg/L	11/02/2022	SUB_GEL	SM 5310B
Dissoloved Organic Carbon	1.50	mg/L	11/03/2022	SUB_GEL	SM 5310B
Nitrate-Nitrite Cadmium Reduction	<0.1	mg/L	11/04/2022	SUB_GEL	EPA 353.2
Fluoride	<0.10	mg/L	11/08/2022	KCWELLS	EPA 300.0
Chloride	24.4	mg/L	11/08/2022	KCWELLS	EPA 300.0
Sulfate	7.87	mg/L	11/08/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	413.8	mg/L	11/03/2022	KCWELLS	SM 2540C
Radium 226	0.898	pCi/L	11/06/2022	GEL	EPA 903.1 Mod
Radium 228	2.19	pCi/L	11/04/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	3.09	pCi/L	11/07/2022	GEL	EPA 903.1 Mod
pH	7.00	SU	10/26/2022	WJK/ML	
Alkalinity	200	mg/L	11/08/2022	SUB_GEL	SM 2320B
Afkalinity as CaCO3	<4	mg/L	11/08/2022	SUB_GEL	SM2320B
Bicarbonate Alkalinity	200	mg/L	11/08/2022	SUB_GEL	SM 2320B
Beryllium Dissolved	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Cobalt Dissolved	<2	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Lithium Dissolved	6	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D
Iron - Dissolved	1870	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B
Manganese Dissolved	58	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

CCMAP-1

Loc. Code

One Riverwood Drive P.O. Box 2946101 Moncks Corner, SC 29461-2901 (843) 761-8000

SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF47656 Location: GW Well CCMAP-1 Date: 11/03/2022 Sample Collector: WJK/ML

Time: 14:49

2001 0020 0011111	11106, 14140					
Analysis	Result	Units	Test Date	Analyst	Method	
Arsenic	<3	ug/l	11/08/2022	EUROFINS SAV	EPA 6020B	
Barium	56.6	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Beryllium	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
Calcium	58.60	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D	
Cadmium	<0.5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Cobalt	0.77	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B	
Chromium	<5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Lead	<2.5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Antimony	<5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Selenium	<5	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B	
Thallium	<1	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Boron	11.1	ug/L	11/22/2022	SJHATCHE	EPA 6010D	
Lithium	<5.00	ug/L	11/22/2022	SJHATCHE	EPA 6010D	
Molybdenum	<5.00	ug/L	11/22/2022	SJHATCHE	EPA 6010D	
Mercury	<0.2	ug/L	12/12/2022	EUROFINS SAV	EPA 7470	
iron	513	ug/l	11/08/2022	EUROFINS SAV	EPA 6010D	
Potassium	<1	mg/L	11/08/2022	EUROFINS SAV	EPA 6010D	
Sodium	7.45	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D	
Magnesium	1.52	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D	
Manganese	179.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Sulfide	<0.1	mg/L	11/07/2022	GEL	EPA 9034	
Total Organic Carbon	<1	mg/L	11/11/2022	GEL	SM 5310B	
Dissoloved Organic Carbon	1.50	mg/L	11/11/2022	GEL	SM 5310B	
Nitrite	<0.10	mg/L	11/05/2022	KCWELLS	EPA 300.0	
Nitrate	<0.10	mg/L	11/05/2022	KCWELLS	EPA 300.0	
Fluoride	<0.10	mg/L	11/05/2022	KCWELLS	EPA 300.0	
Chloride	5.54	mg/L	11/05/2022	KCWELLS	EPA 300.0	
Sulfate	<2.0	mg/L	11/05/2022	KCWELLS	EPA 300.0	
Total Dissolved Solids	202.5	mg/L	11/09/2022	SJBROWN	SM 2540C	
Radium 226	0.917	pCi/L	11/15/2022	SUB_GEL	EPA 903.1 Mod	
Radium 228	0.349	pCi/L	11/10/2022	SUB_GEL	EPA 904.0	
Radium 226/228 Combined Calculation	1.27	pCi/L	11/16/2022	SUB_GEL	EPA 903.1 Mod	
pH	7.01	su	11/03/2022	WJK/ML		
Alkalinity	160	mg/L	11/14/2022	GEL	SM 2320B	
Alkalinity as CaCO3	<4	mg/L	11/14/2022	SUB_GEL	SM2320B	
Bicarbonate Alkalinity	160	mg/L	11/14/2022	SUB_GEL	SM 2320B	
Beryllium Dissolved	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
Cobalt Dissolved	<2	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
Lithium Dissolved	<5	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D	
Iron - Dissolved	235	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B	
Hannanaa Discalaad	404		44/44/0000	FUDOENIO C	ED4 0000-	

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

ug/l

Analysis Validated:

Manganese Dissolved

Validated date:12/13/22

11/14/2022

EUROFINS SAV

EPA 6020B

161



SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF47657 Location: GW Well CCMAP-2 Date: 11/03/2022 Sample Collector: WJK/ML

Loc. Code CCMAP-2	Time: 12:20					
Analysis	Result	Units	Test Date	Analyst	Method	
Arsenic	<3	ug/l	11/08/2022	EUROFINS SAV	EPA 6020B	
Barium	17.2	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Beryllium	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
Calcium	6.360	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D	
Cadmium	<0.5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Cobalt	2.06	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B	
Chromium	<5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Lead	<2.5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Antimony	<5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Selenium	<5	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B	
Thallium	<1	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Boron	15.0	ug/L	11/22/2022	SJHATCHE	EPA 6010D	
Lithium	<5.00	ug/L	11/22/2022	SJHATCHE	EPA 6010D	
Molybdenum	<5.00	ug/L	11/22/2022	SJHATCHE	EPA 6010D	
Mercury	<0.2	ug/L	12/12/2022	EUROFINS SAV	EPA 7470	
Iron	886	ug/l	11/08/2022	EUROFINS SAV	EPA 6010D	
Potassium	<1	mg/L	11/08/2022	EUROFINS SAV	EPA 6010D	
Sodium	3.55	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D	
Magnesium	<0.5	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D	
Manganese	47.2	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Sulfide	<0.1	mg/L	11/07/2022	GEL	EPA 9034	
Total Organic Carbon	<1	mg/L	11/11/2022	GEL	SM 5310B	
Dissoloved Organic Carbon	1.64	mg/L	11/10/2022	GEL	SM 5310B	
Nitrite	<0.10	mg/L	11/05/2022	KCWELLS	EPA 300.0	
Nitrate	<0.10	mg/L	11/05/2022	KCWELLS	EPA 300.0	
Fluoride	<0.10	mg/L	11/05/2022	KCWELLS	EPA 300.0	
Chloride	5.33	mg/L	11/05/2022	KCWELLS	EPA 300.0	
Sulfate	<2.0	mg/L	11/05/2022	KCWELLS	EPA 300.0	
Total Dissolved Solids	47.50	mg/L	11/09/2022	SJBROWN	SM 2540C	
Radium 226	1.12	pCi/L	11/07/2022	SUB_GEL	EPA 903.1 Mod	
Radium 228	-0.166	pCi/L	11/10/2022	SUB_GEL	EPA 904.0	
Radium 226/228 Combined Calculation	1.12	pCi/L	11/16/2022	SUB_GEL	EPA 903.1 Mod	
pH	5.58	SU	11/03/2022	WJK/ML		
Alkalinity	22.8	mg/L	11/14/2022	GEL	SM 2320B	
Alkalinity as CaCO3	<4	mg/L	11/14/2022	SUB_GEL	SM2320B	
Bicarbonate Alkalinity	22.8	mg/L	11/14/2022	SUB GEL	SM 2320B	
Beryllium Dissolved	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
Cobalt Dissolved	<2	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
Lithium Dissolved	<5	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D	
Iron - Dissolved	931	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B	
Manganese Dissolved	43	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc. - Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

Validated date:12/13/22

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF47658 Location: GW Well CCMAP-3

Date: 11/02/2022

Sample Collector: WJK/ML

Loc. Code CCMAP-3

Time: 16:00

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B
Barium	60.1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Beryllium	<0.5	ug/I	11/14/2022	EUROFINS SAV	EPA 6020B
Calcium	1260	mg/l	11/09/2022	EUROFINS SAV	EPA 6010D
Cadmium	<0.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Cobalt	1.15	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Lead	<2.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Boron	18700	ug/L	11/22/2022	SJHATCHE	EPA 6010D
Lithium	35.8	ug/L	11/22/2022	SJHATCHE	EPA 6010D
Molybdenum	<5.00	ug/L	11/22/2022	SJHATCHE	EPA 6010D
Mercury	<0.2	ug/L	12/09/2022	EUROFINS SAV	EPA 7470
Iron	3090	ug/I	11/09/2022	EUROFINS SAV	EPA 6010D
Potassium	8.56	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D
Sodium	202	mg/L	11/09/2022	EUROFINS SAV	EPA 6010D
Magnesium	144	mg/l	11/09/2022	EUROFINS SAV	EPA 6010D
Manganese	6800.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Sulfide	<0.1	mg/L	11/07/2022	GEL	EPA 9034
Total Organic Carbon	3.83	mg/L	11/11/2022	GEL	SM 5310B
Dissoloved Organic Carbon	4.45	mg/L	11/10/2022	GEL	SM 5310B
Nitrite	<0.10	mg/L	11/05/2022	KCWELLS	EPA 300.0
Nitrate	< 0.10	mg/L	11/05/2022	KCWELLS	EPA 300.0
Fluoride	< 0.10	mg/L	11/05/2022	KCWELLS	EPA 300.0
Chloride	1140	mg/L	11/08/2022	KCWELLS	EPA 300.0
Sulfate	1270	mg/L	11/08/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	6082	mg/L	11/09/2022	SJBROWN	SM 2540C
Radium 226	1.80	pCi/L	11/15/2022	SUB_GEL	EPA 903.1 Mod
Radium 228	1.99	pCi/L	11/10/2022	SUB GEL	EPA 904.0
Radium 226/228 Combined Calculation	3.79	pCi/L	11/16/2022	SUB_GEL	EPA 903.1 Mod
pH	6.41	SU	11/02/2022	WJK/ML	
Alkalinity	248	mg/L	11/14/2022	GEL	SM 2320B
Alkalinity as CaCO3	<4	mg/L	11/14/2022	SUB GEL	SM2320B
Bicarbonate Alkalinity	248	mg/L	11/14/2022	SUB_GEL	SM 2320B
Beryllium Dissolved	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Cobalt Dissolved	<2	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
		-3.			
Lithium Dissolved	19	ua/L	11/14/2022	EUROFINS SAV	EPA 6010D
Lithium Dissolved Iron - Dissolved	19 3 0 30	ug/L ug/L	11/14/2022 11/10/2022	EUROFINS SAV EUROFINS SAV	EPA 6010D EPA 6020B

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Time: 15:56

Sample # AF47659 Location: GW Well CCMAP-4 Date: 10/27/2022 Sample Collector: WJK/ML

Loc. Code CCMAP-4

Loc. Code CCMAP-4	Time: 15:56						
Analysis	Result	Units	Test Date	Analyst	Method		
Arsenic	<3	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B		
Barium	189	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B		
Beryllium	<0.5	ug/I	11/14/2022	EUROFINS SAV	EPA 6020B		
Calcium	81.70	mg/l	11/09/2022	EUROFINS SAV	EPA 6010D		
Cadmium	<0.5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B		
Cobalt	7.29	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B		
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B		
Lead	<2.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B		
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B		
Selenium	<5	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B		
Thallium	<1	ug/i	11/09/2022	EUROFINS SAV	EPA 6020B		
Boron	28.0	ug/L	11/22/2022	SJHATCHE	EPA 6010D		
Lithium	<5.00	ug/L	11/22/2022	SJHATCHE	EPA 6010D		
Molybdenum	<5.00	ug/L	11/22/2022	SJHATCHE	EPA 6010D		
Mercury	<0.2	ug/L	12/09/2022	EUROFINS SAV	EPA 7470		
Iron	2300	ug/l	11/09/2022	EUROFINS SAV	EPA 6010D		
Potassium	<1	mg/L	11/09/2022	EUROFINS SAV	EPA 6010D		
Sodium	14.3	mg/L	11/09/2022	EUROFINS SAV	EPA 6010D		
Magnesium	2.72	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D		
Manganese	101.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B		
Sulfide	<0.1	mg/L	10/31/2022	SUB_GEL	EPA 9034		
Total Organic Carbon	1.10	mg/L	11/02/2022	SUB_GEL	SM 5310B		
Dissoloved Organic Carbon	2.24	mg/L	11/04/2022	SUB_GEL	SM 5310B		
Nitrate-Nitrite Cadmium Reduction	<0.1	mg/L	11/04/2022	SUB_GEL	EPA 353.2		
Fluoride	0.10	mg/L	11/02/2022	KCWELL\$	EPA 300.0		
Chloride	47.3	mg/L	11/02/2022	KCWELLS	EPA 300.0		
Sulfate	4.78	mg/L	11/02/2022	KCWELLS	EPA 300.0		
Total Dissolved Solids	410.0	mg/L	11/03/2022	KCWELLS	SM 2540C		
Radium 226	1.09	pCi/L	11/06/2022	GEL	EPA 903.1 Mod		
Radium 228	3.00	pCi/L	11/04/2022	GEL	EPA 904.0		
Radium 226/228 Combined Calculation	4.08	pCi/L	11/07/2022	GEL	EPA 903.1 Mod		
pH	6.27	SU	10/27/2022	WJK/ML			
Alkalinity	179	mg/L	11/08/2022	SUB_GEL	SM 2320B		
Alkalinity as CaCO3	<4	mg/L	11/08/2022	SUB_GEL	SM2320B		
Bicarbonate Alkalinity	179	mg/L	11/08/2022	SUB_GEL	SM 2320B		
Beryllium Dissolved	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B		
Cobalt Dissolved	7	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B		
Lithium Dissolved	< 5	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D		
Iron - Dissolved	2170	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B		
Manganese Dissolved	98	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B		

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:



SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF47660 Location: GW Well CCMAP-4 Date: 10/27/2022 Sample Collector: WJK/ML

Loc. Code CCMAP-4 DUP Time: 16:01

LOC. CODE CONAL-4	DOF		Time: 10:01		
Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B
Barium	191	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Beryllium	<0.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Calcium	79.40	mg/l	11/09/2022	EUROFINS SAV	EPA 6010D
Cadmium	<0.5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Cobalt	7.45	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Lead	<2.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Selenium	<10	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Boron	27.1	ug/L	11/22/2022	SJHATCHE	EPA 6010D
Lithium	<5.00	ug/L	11/22/2022	SJHATCHE	EPA 6010D
Molybdenum	<5.00	ug/L	11/22/2022	SJHATCHE	EPA 6010D
Mercury	<0.6	ug/L	12/09/2022	EUROFINS SAV	EPA 7470
Iron	2250	ug/l	11/09/2022	EUROFINS SAV	EPA 6010D
Potassium	<1	mg/L	11/09/2022	EUROFINS SAV	EPA 6010D
Sodium	14.1	mg/L	11/09/2022	EUROFINS SAV	EPA 6010D
Magnesium	2.70	mg/l	11/09/2022	EUROFINS SAV	EPA 6010D
Manganese	104.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Sulfide	<0.1	mg/L	10/31/2022	SUB_GEL	EPA 9034
Total Organic Carbon	1.32	mg/L	11/03/2022	SUB_GEL	SM 5310B
Dissoloved Organic Carbon	1.64	mg/L	11/04/2022	SUB_GEL	SM 5310B
Nitrate-Nitrite Cadmium Reduction	<0.1	mg/L	11/04/2022	SUB_GEL	EPA 353.2
Fluoride	0.10	mg/L	11/02/2022	KCWELLS	EPA 300.0
Chloride	47.3	mg/L	11/02/2022	KCWELLS	EPA 300.0
Sulfate	4.67	mg/L	11/02/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	275.0	mg/L	11/03/2022	LCWILLIA	SM 2540C
Radium 226	0.443	pCi/L	11/06/2022	GEL	EPA 903.1 Mod
Radium 228	3.29	pCi/L	11/04/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	3.74	pCi/L	11/07/2022	GEL	EPA 903.1 Mod
Alkalinity	180	mg/L	11/08/2022	SUB_GEL	SM 2320B
Alkalinity as CaCO3	<4	mg/L	11/08/2022	SUB_GEL	SM2320B
Bicarbonate Alkalinity	180	mg/L	11/08/2022	SUB_GEL	SM 2320B
Beryllium Dissolved	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Cobalt Dissolved	7	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Lithium Dissolved	<5	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D
Iron - Dissolved	1760	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B
Manganese Dissolved	91	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:



SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF47661

Location: GW Well CCMAP-5

Date: 10/31/2022

Sample Collector: WJK/DJ

Loc. Code CCMAP-5

Time: 10:13

Loc. Code CCIVIAP-5	Time: 10.13					
Analysis	Result	Units	Test Date	Analyst	Method	
Arsenic	<3	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B	
Barium	222	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Beryllium	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
Calcium	115.0	mg/l	11/09/2022	EUROFINS SAV	EPA 6010D	
Cadmium	<0.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Cobalt	8.62	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B	
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Lead	<2.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Selenium	<5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
Thallium	<1	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Boron	13.3	ug/L	11/22/2022	SJHATCHE	EPA 6010D	
Lithium	7.09	ug/L	11/22/2022	SJHATCHE	EPA 6010D	
Molybdenum	<5.00	ug/L	11/22/2022	SJHATCHE	EPA 6010D	
Mercury	<0.4	ug/L	12/09/2022	EUROFINS SAV	EPA 7470	
Iron	242	ug/l	11/09/2022	EUROFINS SAV	EPA 6010D	
Potassium	1.97	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D	
Sodium	16.3	mg/L	11/09/2022	EUROFINS SAV	EPA 6010D	
Magnesium	2.48	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D	
Manganese	256.0	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B	
Sulfide	<0.1	mg/L	11/02/2022	GEL	EPA 9034	
Total Organic Carbon	<1	mg/L	11/05/2022	GEL	SM 5310B	
Dissoloved Organic Carbon	1.78	mg/L	11/04/2022	GEL	SM 5310B	
Nitrate-Nitrite Cadmium Reduction	< 0.02	mg/L	11/04/2022	GEL	EPA 353.2	
Nitrite	<0.10	mg/L	11/04/2022	KCWELLS	EPA 300.0	
Nitrate	<0.10	mg/L	11/04/2022	KCWELLS	EPA 300.0	
Fluoride	0.16	mg/L	11/04/2022	KCWELLS	EPA 300.0	
Chloride	19.4	mg/L	11/04/2022	KCWELLS	EPA 300.0	
Sulfate	5.48	mg/L	11/04/2022	KCWELLS	EPA 300.0	
Total Dissolved Solids	366.2	mg/L	11/03/2022	LCWILLIA	SM 2540C	
Radium 226	1.25	pCi/L	11/29/2022	GEL	EPA 903.1 Mod	
Radium 228	1.20	pCi/L	11/28/2022	GEL	EPA 904.0	
Radium 226/228 Combined Calculation	2.45	pCi/L	11/29/2022	GEL	EPA 903.1 Mod	
pH	6.58	SU	10/31/2022	WJK/DJ		
Alkalinity	318	mg/L	11/09/2022	GEL	SM 2320B	
Alkalinity as CaCO3	<4	mg/L	11/09/2022	GEL	SM2320B	
Bicarbonate Alkalinity	318	mg/L	11/09/2022	GEL	SM 2320B	
Beryllium Dissolved	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
Cobalt Dissolved	8	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
Lithium Dissolved	5	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D	
Iron - Dissolved	225	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B	
Manganese Dissolved	243	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown" - Davis & Brown Lab ID # 21117; "Shealy" - Shealy Environmental Services, Inc. - Lab ID# 32010 "ROGERSCALLCO" - Rogers & Callcot, Inc. - Lab ID # 23105001

Analysis Validated:

Closers

SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Time: 13:51

Sample # AF47662 Location: GW Well CCMAP-6 Date: 11/02/2022 Sample Collector: WJK/ML

Loc. Code CCMAP-6

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B
Barium	48.1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Beryllium	4.1	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Calcium	16.10	mg/l	11/09/2022	EUROFINS SAV	EPA 6010D
Cadmium	<0.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Cobalt	32.60	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Lead	2.6	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Boron	18.0	ug/L	11/22/2022	SJHATCHE	EPA 6010D
Lithium	<5.00	ug/L	11/22/2022	SJHATCHE	EPA 6010D
Molybdenum	<5.00	ug/L	11/22/2022	SJHATCHE	EPA 6010D
Mercury	<0.2	ug/L	12/09/2022	EUROFINS SAV	EPA 7470
Iron	<100	ug/l	11/09/2022	EUROFINS SAV	EPA 6010D
Potassium	1.23	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D
Sodium	2.54	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D
Magnesium	5.15	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D
Manganese	37.9	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Sulfide	<0.1	mg/L	11/07/2022	GEL	EPA 9034
Total Organic Carbon	3.00	mg/L	11/11/2022	GEL	SM 5310B
Dissoloved Organic Carbon	3.65	mg/L	11/10/2022	GEL	SM 5310B
Nitrite	<0.10	mg/L	11/05/2022	KCWELLS	EPA 300.0
Nitrate	0.20	mg/L	11/05/2022	KCWELLS	EPA 300.0
Fluoride	0.28	mg/L	11/05/2022	KCWELLS	EPA 300.0
Chloride	<2.0	mg/L	11/05/2022	KCWELLS	EPA 300.0
Sulfate	57.1	mg/L	11/05/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	253.8	mg/L	11/09/2022	SJBROWN	SM 2540C
Radium 226	1.47	pCi/L	11/15/2022	SUB_GEL	EPA 903.1 Mod
Radium 228	0.344	pCi/L	11/10/2022	SUB_GEL	EPA 904.0
Radium 226/228 Combined Calculation	1.82	pCi/L	11/16/2022	SUB_GEL	EPA 903.1 Mod
pH	4.47	SU	11/02/2022	WJK/ML	
Alkalinity	8.60	mg/L	11/14/2022	GEL	SM 2320B
Alkalinity as CaCO3	<4	mg/L	11/14/2022	GEL	SM2320B
Bicarbonate Alkalinity	8.60	mg/L	11/14/2022	GEL	SM 2320B
Beryllium Dissolved	4	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Cobalt Dissolved	30	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Lithium Dissolved	<5	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D
Iron - Dissolved	172	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B
Manganese Dissolved	40	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:



One Riverwood Drive P.O. Box 2946101

Moncks Comer, SC 29461-2901

(843) 761-8000

SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF47663 Location: GW Well CCMAP-7 Sample Collector: WJK/ML Date: 11/02/2022

Loc. Code CCMAP-7 Time: 14:52

Edd. dddc ddiff ii 7	11116, 14.02					
Analysis	Result	Units	Test Date	Analyst	Method	
Arsenic	<3	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B	
Barium	40.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Beryllium	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
Calcium	11.50	mg/I	11/09/2022	EUROFINS SAV	EPA 6010D	
Cadmium	<0.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Cobalt	9.60	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Chromium	< 5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Lead	<2.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Selenium	<5	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B	
Thallium	<1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Boron	12.3	ug/L	11/22/2022	SJHATCHE	EPA 6010D	
Lithium	<5.00	ug/L	11/22/2022	SJHATCHE	EPA 6010D	
Molybdenum	<5.00	ug/L	11/22/2022	SJHATCHE	EPA 6010D	
Mercury	<0.4	ug/L	12/09/2022	EUROFINS SAV	EPA 7470	
Iron	136	ug/l	11/09/2022	EUROFINS SAV	EPA 6010D	
Potassium	<1	mg/L	11/09/2022	EUROFINS SAV	EPA 6010D	
Sodium	6.35	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D	
Magnesium	0.620	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D	
Manganese	517.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Sulfide	<0.1	mg/L	11/07/2022	GEL	EPA 9034	
Total Organic Carbon	<1	mg/L	11/11/2022	GEL	SM 5310B	
Dissoloved Organic Carbon	1.09	mg/L	11/10/2022	GEL	SM 5310B	
Nitrite	<0.10	mg/L	11/05/2022	KCWELLS	EPA 300.0	
Nitrate	<0.10	mg/L	11/05/2022	KCWELLS	EPA 300.0	
Fluoride	<0.10	mg/L	11/05/2022	KCWELLS	EPA 300.0	
Chloride	8.49	mg/L	11/05/2022	KCWELLS	EPA 300.0	
Sulfate	<2.0	mg/L	11/05/2022	KCWELLS	EPA 300.0	
Total Dissolved Solids	75.00	mg/L	11/14/2022	SJBROWN	SM 2540C	
Radium 226	1.99	pCi/L	11/15/2022	SUB_GEL	EPA 903.1 Mod	
Radium 228	1.36	pCi/L	11/10/2022	SUB_GEL	EPA 904.0	
Radium 226/228 Combined Calculation	3.35	pCi/L	11/16/2022	SUB_GEL	EPA 903.1 Mod	
pH	5.31	su	11/02/2022	WJK/ML		
Alkalinity	32.4	mg/L	11/14/2022	GEL	SM 2320B	
Alkalinity as CaCO3	<4	mg/L	11/14/2022	GEL	SM2320B	
Bicarbonate Alkalinity	32.4	mg/L	11/14/2022	GEL.	SM 2320B	
Beryllium Dissolved	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
Cobalt Dissolved	9	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
Lithium Dissolved	<5	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D	
Iron - Dissolved	143	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B	
Manganese Dissolved	478	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
The second secon						

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Time: 13:44

Sample # AF47664 Location: GW Well CCMAP-8 Date: 11/03/2022 Sample Collector: WJK/ML

Loc. Code CCMAP-8

LOC. COURT CONTACT	Time. 10.77					
Analysis	Result	Units	Test Date	Analyst	Method	
Arsenic	<3	ug/l	11/08/2022	EUROFINS SAV	EPA 6020B	
Barium	31.1	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Beryllium	8.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Calcium	2.020	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D	
Cadmium	<0.5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Cobalt	15.40	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Chromium	<5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Lead	<2.5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Antimony	<5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Selenium	<5	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B	
Thallium	<1	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Boron	14.2	ug/L	11/22/2022	SJHATCHE	EPA 6010D	
Lithium	5.46	ug/L	11/22/2022	SJHATCHE	EPA 6010D	
Molybdenum	<5.00	ug/L	11/22/2022	SJHATCHE	EPA 6010D	
Mercury	<0.2	ug/L	12/12/2022	EUROFINS SAV	EPA 7470	
Iron	383	ug/l	11/08/2022	EUROFINS SAV	EPA 6010D	
Potassium	<1	mg/L	11/08/2022	EUROFINS SAV	EPA 6010D	
Sodium	4.04	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D	
Magnesium	<0.5	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D	
Manganese	84.4	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Sulfide	<0.1	mg/L	11/07/2022	GEL	EPA 9034	
Total Organic Carbon	<1	mg/L	11/11/2022	GEL	SM 5310B	
Dissoloved Organic Carbon	1.31	mg/L	11/11/2022	GEL	SM 5310B	
Nitrite	<0.10	mg/L	11/05/2022	KCWELLS	EPA 300.0	
Nitrate	< 0.10	mg/L	11/05/2022	KCWELLS	EPA 300.0	
Fluoride	<0.10	mg/L	11/05/2022	KCWELLS	EPA 300.0	
Chloride	5.18	mg/L	11/05/2022	KCWELLS	EPA 300.0	
Sulfate	<2.0	mg/L	11/05/2022	KCWELLS	EPA 300.0	
Total Dissolved Solids	115.0	mg/L	11/15/2022	SJBROWN	SM 2540C	
Radium 226	1.59	pCi/L	11/15/2022	SUB_GEL	EPA 903.1 Mod	
Radium 228	-0.541	pCi/L	11/10/2022	SUB_GEL	EPA 904.0	
Radium 226/228 Combined Calculation	1.59	pCi/L	11/16/2022	SUB_GEL	EPA 903.1 Mod	
pН	4.92	SU	11/03/2022	WJK/ML		
Alkalinity	32.2	mg/L	11/14/2022	GEL	SM 2320B	
Alkalinity as CaCO3	<4	mg/L	11/14/2022	SUB_GEL	SM2320B	
Bicarbonate Alkalinity	32.2	mg/L	11/14/2022	SUB_GEL	SM 2320B	
Beryllium Dissolved	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
Cobalt Dissolved	12	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
Lithium Dissolved	<5	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D	
fron - Dissolved	597	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B	
Manganese Dissolved	77	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
	- NO.	10.75 - 0.75				

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Analysis Validated:

SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF50610

Location: GW Well CCMAP-8

Date: 12/07/2022

Sample Collector: WJK/BM

Loc. Code CCMAP-8

Time: 15:03

EUC. COUE COMPA O			Time. 10.00		
Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/l	12/13/2022	EUROFINS SAV	EPA 6020B
Barium	35.2	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Beryllium	0.78	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Calcium	1.620	mg/I	12/13/2022	EUROFINS SAV	EPA 6010D
Cadmium	<0.5	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Cobalt	20.2	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Chromium	5.8	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Lead	<2.5	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Antimony	< 5	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Selenium	<2.5	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Boron	17.2	ug/L	01/04/2023	SJHATCHE	EPA 6010D
Lithium	6.16	ug/L	01/04/2023	SJHATCHE	EPA 6010D
Molybdenum	<5.00	ug/L	01/04/2023	SJHATCHE	EPA 6010D
Mercury	<0.2	ug/L	12/13/2022	EUROFINS SAV	EPA 7470
Iron	2260	ug/l	12/13/2022	EUROFINS SAV	EPA 6010D
Fluoride	<0.10	mg/L	12/15/2022	KCWELLS	EPA 300.0
Chloride	5.73	mg/L	12/15/2022	KCWELLS	EPA 300.0
Sulfate	<2.0	mg/L	12/15/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	182.5	mg/L	12/15/2022	SJBROWN	SM 2540C
Radium 226	3.35	pCi/L	12/19/2022	GEL	EPA 903.1 Mod
Radium 228	-0.410	pCi/L	12/30/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	3.35	pCi/L	01/09/2023	GEL	EPA 903.1 Mod
pH	5.04	SU	12/06/2022	MDG	
Copper	<5	ug/l	12/13/2022	EUROFINS SAV	EPA 6020B
Nickel	<5	ug/l	12/13/2022	EUROFINS SAV	EPA 6020B
Zinc	<20	ug/l	12/13/2022	EUROFINS SAV	EPA 6020B
		10 75 5			

Comments:

Independent Laboratory Results: "GEL" - GEL Laboratories LLC - Lab ID # 10120; "Test America" - TestAmerica Laboratories, Inc. - Lab ID# 98001; "DavisBrown"- Davis & Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"-Rogers & Callcot, Inc.- Lab ID # 23105001

Validated date:

Analysis Validated:

Linda Williams - Manager Analytical Services











PO Box 30712 Charleston, SC 29417 2040 Savage Road Charleston, SC 29407 P 843.556.8171 F 843.766.1178

gel.com

February 21, 2022

Ms. Jeanette Gilmetti Santee Cooper P.O. Box 2946101 OCO3 Moncks Corner, South Carolina 29461

Re: ABS Lab Analytical Work Order: 568465

Dear Ms. Gilmetti:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on January 25, 2022. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

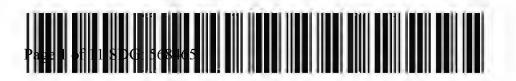
Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4289.

Sincerely,

Grace Bodiford for
Julie Robinson
Project Manager

Purchase Order: 367074

Enclosures



2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report for

SOOP001 Santee Cooper

Client SDG: 568465 GEL Work Order: 568465

The Qualifiers in this report are defined as follows:

- * A quality control analyte recovery is outside of specified acceptance criteria
- ** Analyte is a Tracer compound
- ** Analyte is a surrogate compound
- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Julie Robinson.

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Shore	Bodiford

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R	evi	ew	ed	by

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Analyst Comments

Report Date: February 21, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF24776
Sample ID: 568465001
Matrix: Ground Water
Collect Date: 24-JAN-22 09:54

Receive Date: 25-JAN-22 Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Ana	lyst Date	Time Batch	Method
Rad Gas Flow Proportion	nal Counting										
GFPC, Ra228, Liquid "A	As Received"										
Radium-228		1.80	+/-0.952	1.34	3.00	pCi/L		JXC	02/10/22	1047 2225013	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"								
Radium-226+228 Sum		2.44	+/-1.03			pCi/L		1 NXL	1 02/21/22	1146 2225022	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	ıid "As Recei	ved"									
Radium-226		0.644	+/-0.386	0.507	1.00	pCi/L		LXP	02/11/22	1011 2222580	3
The following Analytic	al Methods w	ere perfo	ormed:								

Surrogate/Tracer Recove	ery Test	Result	Nominal	Recovery%	Acceptable Limits
3	EPA 903.1 Modified				
2	Calculation				
1	EPA 904.0/SW846 9320 Modified				

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limit Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 85.5 (15%-125%)

Notes:

Method

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

Description

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 3 of 11 SDG: 568465

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 21, 2022

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF24801 Sample ID: 568465002 Matrix: Ground Water Collect Date: 24-JAN-22 11:40 25-JAN-22 Receive Date:

Client

Client ID: SOOP001

82.5

(15% - 125%)

SOOP00119

Project:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analy	st Date	Time	Batch	Method
Rad Gas Flow Proportion	nal Counting												
GFPC, Ra228, Liquid "A	As Received"												
Radium-228	U	0.544	+/-0.766	1.32	3.00	pCi/L			JXC9	02/10/22	1047	2225013	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"										
Radium-226+228 Sum		2.69	+/-0.940			pCi/L		1	NXL1	02/21/22	1146	2225022	2
Rad Radium-226													
Lucas Cell, Ra226, Liqu	iid "As Recei	ved"											
Radium-226		2.14	+/-0.545	0.365	1.00	pCi/L			LXP1	02/11/22	1011	2222580	3
The following Analytic	al Methods w	ere perfo	ormed:										

Method	Description		Analyst Co	mments	
1	EPA 904.0/SW846 9320 Modified				
2	Calculation				
3	EPA 903.1 Modified				
Surrogate/Tracer Reco	very Test	Result	Nominal	Recovery%	Acceptable Limits

Barium-133 Tracer

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

GFPC, Ra228, Liquid "As Received"

Column headers are defined as follows:

Collector:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor MDA: Minimum Detectable Activity RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Report Date: February 21, 2022

Santee Cooper P.O. Box 2946101

OCO3

Moncks Corner, South Carolina

Contact: Ms. Jeanette Gilmetti

Workorder: 568465

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range A	anlst	Date T	lime
Rad Gas Flow Batch 2225013 —											
QC1205011122 568465001 DUP Radium-228	Uncertainty	1.80 +/-0.952		2.82 +/-1.36	pCi/L	44.1		(0% - 100%)	JXC9	02/10/22	10:46
QC1205011123 LCS	,										
Radium-228	48.7 Uncertainty			36.7 +/-2.69	pCi/L		75.3	(75%-125%)		02/10/22	10:47
QC1205011121 MB Radium-228	Uncertainty		U	0.432 +/-0.912	pCi/L					02/10/22	10:46
Rad Ra-226 Batch 2222580 ——											
QC1205006430 568465001 DUP Radium-226	Uncertainty	0.644 +/-0.386		0.305 +/-0.236	pCi/L	71.4		(0% - 100%)	LXP1	02/11/22	10:11
QC1205006433 LCS Radium-226	26.6 Uncertainty			23.8 +/-1.77	pCi/L		89.5	(75%-125%)		02/11/22	10:55
QC1205006428 MB Radium-226	Uncertainty		U	0.161 +/-0.167	pCi/L					02/11/22	10:11
QC1205006432 568465001 MS Radium-226	134 Uncertainty	0.644 +/-0.386		134 +/-9.69	pCi/L		99.6	(75%-125%)		02/11/22	10:55

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

The Qualifiers in this report are defined as follows:

** Analyte is a Tracer compound

< Result is less than value reported

> Result is greater than value reported

BD Results are either below the MDC or tracer recovery is low

FA Failed analysis.

Page 5 of 11 SDG: 568465

Page 1 of 2

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Workorder: 568465 Page 2 of 2 Parmname **NOM** Sample Qual QC Units RPD% REC% Range Anlst Date Time Η Analytical holding time was exceeded J See case narrative for an explanation J Value is estimated K Analyte present. Reported value may be biased high. Actual value is expected to be lower. L Analyte present. Reported value may be biased low. Actual value is expected to be higher. M M if above MDC and less than LLD REMP Result > MDC/CL and < RDL M N/A RPD or %Recovery limits do not apply. N1See case narrative ND Analyte concentration is not detected above the detection limit NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier Q One or more quality control criteria have not been met. Refer to the applicable narrative or DER. R Sample results are rejected U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD. UI Gamma Spectroscopy--Uncertain identification Gamma Spectroscopy--Uncertain identification UJ UL, Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias. X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier Y Other specific qualifiers were required to properly define the results. Consult case narrative. Λ

RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.

h Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Page 6 of 11 SDG: 568465

Radiochemistry Technical Case Narrative Santee Cooper SDG #: 568465

Product: Radium-226+Radium-228 Calculation

Analytical Method: Calculation

Analytical Procedure: GL-RAD-D-003 REV# 44

Analytical Batch: 2225022

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID# Client Sample Identification

568465001 AF24776 568465002 AF24801

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: GFPC, Ra228, Liquid

Analytical Method: EPA 904.0/SW846 9320 Modified **Analytical Procedure:** GL-RAD-A-063 REV# 5

Analytical Batch: 2225013

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID# Client Sample Identification

568465001 AF24776 568465002 AF24801

1205011121 Method Blank (MB)

1205011122 568465001(AF24776) Sample Duplicate (DUP)

1205011123 Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: Lucas Cell, Ra226, Liquid

Analytical Method: EPA 903.1 Modified

Analytical Procedure: GL-RAD-A-008 REV# 15

Analytical Batch: 2222580

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification	
568465001	AF24776	

568465002 AF24801 1205006428 Method Blank (MB) 1205006430 568465001(AF24776) Sample Duplicate (DUP) 1205006432 568465001(AF24776) Matrix Spike (MS) 1205006433 Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

Additional Comments

Aliquots for the matrix spikes, 1205006432 (AF24776MS), were reduced to conserve sample volume.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Contract Lab Info: GEL Contract Lab Due Date (Lab Only): 2 / 1 / 22 Send report to lower.com & sibrown@santeecooper.com

Chain of Custody

548463 548465



Santee Cooper One Riverwood Drive Moneks Corner, SC 29461 Phone: (843)761-8000 Ext. 5148 Fax: (843)761-4175

Comments	iy nasseu t	any i	tor a	erun request 1	K	JUIC #:	i ask/ i	oject/	Pro		y:	eaea b	esuits Ne	Date Ke	ent:	огт кесіріє	тан/ке	customer
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Comments	nalysis Group	Analy																
Part	RAD 226 RAD 228	23/			thod # porting limit sc. sample info	• M • R6 • M • Ar	Preservative (see below)	Matrix(see below)	Grab (G) or Composite (C)	Bottle type: (Glass-G/Plastic-P)	Total # of containers	Sample Collector	Collection Time	Collection Date	in/ 	Autor of the State	and the second	(Internal u
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,	Laboratories LLC				SAMPLE RECEIPT & REVIEW FORM	· X * 1F ;
lic	nt: 500P			SDC	6/AR/COC/Work Order: 568463/568465	<u> </u>
ec	eived By: BE			Dat	e Received: /-25-22	
,	1.				Fedex Express FedEx Ground UPS Field Services Courier	Other
	Carrier and Tracking Number					
ısı	ected Hazard Information	Yes	No	*161	Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group fo	or further investigation.
SI	nipped as a DOT Hazardous?		\	Haza	ard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? YesNo	
	old the client designate the samples are to be well as radioactive?		\	coc	C notation or radioactive stickers on containers equal client designation.	
	oid the RSO classify the samples as sactive?		\	Max	imum Net Counts Observed® (Observed Counts - Area Background Counts):	mR/Hr
) [old the client designate samples are hazardous?		\	cod	C notation or hazard labels on containers equal client designation.	
) D	oid the RSO identify possible hazards?			If D	or E is yes, select Hazards below. PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:	
	Sample Receipt Criteria	Yes	×Z	No	Comments/Qualifiers (Required for Non-Conforming Items)	
I	Shipping containers received intact and sealed?	\	7		Circle Applicable: Seals broken Damaged container Leaking container Other (describe)	
2	Chain of custody documents included with shipment?				Circle Applicable: Client contacted and provided COC COC created upon receipt	,
3	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*	\				гемр:
4	Daily check performed and passed on IR temperature gun?	v			Temperature Device Serial #: IR2-21 Secondary Temperature Device Serial # (If Applicable):	i
5	Sample containers intact and sealed?	\			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)	1
6	Samples requiring chemical preservation at proper pH?				Sample ID's and Containers Affected: If Preservation added, Lot#:	
-					If Yes, are Encores or Soil Kits present for solids? YesNoNA(If yes, take to VOA	
7	Do any samples require Volatile		1		Do liquid VOA vials contain acid preservation? YesNoNA(If unknown, select N	(o) .
,	Analysis?			\	Are liquid VOA vials free of helidspace? Yes No NA Sample ID's and containers affected:	
		1	1	7		(

8 Samples received within holding time? ID's and containers affected: Sample ID's on COC match ID's on bottles? Circle Applicable: No dates on containers No times on containers COC missing info Other (describe) Date & time on COC match date & time on bottles? Circle Applicable: No container count on COC Other (describe) Number of containers received match number indicated on COC? Are sample containers identifiable as GEL provided by use of GEL labels? COC form is properly signed in relinquished/received sections? Circle Applicable: Not relinquished Other (describe) Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials

List of current GEL Certifications as of 21 February 2022

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-0651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kansas NELAF Kentucky SDWA	90129
Kentucky Wastewater	90129
Louisiana Drinking Water	LA024
Louisiana NELAP	
Windows Co. Committee of the Co.	03046 (AI33904)
Maine	2019020
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	SC000122021-1
New Hampshire NELAP	2054
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2019–165
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235-21-19
Utah NELAP	SC000122021-36
Vermont	VT87156
Virginia NELAP	460202
Washington	C780
vv asnington	C/80



a member of The GEL Group INC







PO Box 30712 Charleston, SC 29417 2040 Savage Road Charleston, SC 29407 P 843.556.8171 F 843.766.1178

gel.com

March 10, 2022

Ms. Jeanette Gilmetti Santee Cooper P.O. Box 2946101 OCO3 Moncks Corner, South Carolina 29461

Re: ABS Lab Analytical Work Order: 570125

Dear Ms. Gilmetti:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 11, 2022. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

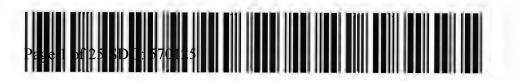
Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4289.

Sincerely,

Grace Bodiford for
Julie Robinson
Project Manager

Purchase Order: 367074

Enclosures



2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report for

SOOP001 Santee Cooper

Client SDG: 570125 GEL Work Order: 570125

The Qualifiers in this report are defined as follows:

- * A quality control analyte recovery is outside of specified acceptance criteria
- ** Analyte is a Tracer compound
- ** Analyte is a surrogate compound
- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Julie Robinson.

0 •	59 ES
Maria	D 19_1
	Bodiford
10-74	

Reviewed by

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: March 10, 2022

NXL1 03/10/22 1050 2229405

2

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO₃

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF24764 Sample ID: 570125001 Matrix: Ground Water Collect Date: 03-FEB-22 10:38

Receive Date: 11-FEB-22 Client Collector:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analyst Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting	F7								
GFPC, Ra228, Liquid ".	As Received"									
Radium-228	U	1.03	+/-0.993	1.63	3.00	pCi/L		JXC9 03/08/22	1200 2229406	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"							

Project:

Client ID:

Analyst Comments

Radium-226+228 Sum pCi/L +/-1.031.46 Rad Radium-226

Lucas Cell, Ra226, Liquid "As Received"

Radium-226 +/-0.265 0.315 1.00 pCi/L LXP1 03/07/22 0942 2229392 The following Analytical Methods were performed:

Method Description

2 Calculation EPA 903.1 Modified Surrogate/Tracer Recovery Result Nominal Recovery% Acceptable Limits Test

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 90.9 (15%-125%)

1

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor MDA: Minimum Detectable Activity **RL**: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 3 of 25 SDG: 570125

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: March 10, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF24765
Sample ID: 570125002
Matrix: Ground Water
Collect Date: 03-FEB-22 12:10
Receive Date: 11-FEB-22

Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analyst Date	Time Batch	Method
Rad Gas Flow Proportio	nal Counting	67								
GFPC, Ra228, Liquid "A	As Received"									
Radium-228		12.1	+/-1.86	1.59	3.00	pCi/L		JXC9 03/10/22	0852 2229406	1
Radium-226+Radium-22	28 Calculatio	n "See Pa	arent Products"							
Radium-226+228 Sum		17.2	+/-2.01			pCi/L		NXL1 03/10/22	1050 2229405	2
Rad Radium-226										
Lucas Cell, Ra226, Liqu	id "As Recei	ved"								
Radium-226		5.19	+/-0.755	0.364	1.00	pCi/L		LXP1 03/07/22	0942 2229392	3
The following Analytics	al Methods w	ere perfo	ormed:							

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	•
2	Calculation	

3 EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			85.9	(15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: March 10, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF24766
Sample ID: 570125003
Matrix: Ground Water
Collect Date: 03-FEB-22 13:16

Receive Date: 11-FEB-22 Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analyst Date Time	Batch	Method
Rad Gas Flow Proportion	nal Counting	Ø.								
GFPC, Ra228, Liquid ".	As Received"									
Radium-228	U	0.00600	+/-0.741	1.39	3.00	pCi/L		JXC9 03/08/22 1200	2229406	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"							
Radium-226+228 Sum		0.534	+/-0.813			pCi/L		NXL1 03/10/22 1050	2229405	2
Rad Radium-226										
Lucas Cell, Ra226, Liqu	iid "As Recei	ved"								
Radium-226		0.528	+/-0.335	0.474	1.00	pCi/L		LXP1 03/07/22 0942	2229392	3
The following Analytic	The following Analytical Methods were performed:									
Method	Description		·			A	Analys	st Comments		

Surrogate/Tracer Recove	ery Test	Result	Nominal	Recovery%	Acceptable Limits
3	EPA 903.1 Modified				
2	Calculation				
1	EPA 904.0/SW846 9320 Modified				

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 103 (15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Project:

Client ID:

Report Date: March 10, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF24767
Sample ID: 570125004
Matrix: Ground Water
Collect Date: 03-FEB-22 14:30
Receive Date: 11-FEB-22

11-FEB-22 Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analyst Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting									
GFPC, Ra228, Liquid ".	As Received"									
Radium-228		1.57	+/-0.962	1.45	3.00	pCi/L		JXC9 03/08/22	1200 2229406	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"							
Radium-226+228 Sum		2.02	+/-1.01			pCi/L		NXL1 03/10/22	1050 2229405	2
Rad Radium-226										
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"								
Radium-226		0.447	+/-0.292	0.399	1.00	pCi/L		LXP1 03/07/22	0942 2229392	3
The following Analytic	al Methods w	ere perfo	ormed:							
3 6 11 1								~		

Method	Description		Analyst Co	omments	
1	EPA 904.0/SW846 9320 Modified		•		
2	Calculation				
3	EPA 903.1 Modified				
Surrogate/Tracer Rec	rovery Test	Regult	Nominal	Recovery ⁰ / ₂	Acceptable Limits

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 93.5 (15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

Collector:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Project:

Client ID:

Analyst Comments

Report Date: March 10, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF24763
Sample ID: 570125005
Matrix: Ground Water
Collect Date: 07-FEB-22 16:02

Receive Date: 11-FEB-22 Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analyst Date	Time Batch	Method
Rad Gas Flow Proportion	nal Counting	6)								
GFPC, Ra228, Liquid ".	As Received"									
Radium-228	U	0.923	+/-1.27	2.16	3.00	pCi/L		JXC9 03/08/22	1200 2229406	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"							
Radium-226+228 Sum		1.22	+/-1.29			pCi/L		NXL1 03/10/22	1050 2229405	2
Rad Radium-226										
Lucas Cell, Ra226, Liqu	ıid "As Recei	ved"								
Radium-226	U	0.295	+/-0.263	0.410	1.00	pCi/L		LXP1 03/07/22	0942 2229392	3
The following Analytic	al Methods w	ere perfo	ormed:							

2	Calculation				
3	EPA 903.1 Modified				
Surrogate/Tracer Recove	ery Test	Result	Nominal	Recovery%	Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" Result Nominal Recovery% Acceptable Limit Recovery 89.6 (15%-125%)

Notes:

Method

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level
DL: Detection Limit PF: Prep Factor
MDA: Minimum Detectable Activity RL: Reporting Limit

Description

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: March 10, 2022

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF24761
Sample ID: 570125006
Matrix: Ground Water
Collect Date: 07-FEB-22 09:51
Receive Date: 11-FEB-22

Client

Client ID: SOOP001

SOOP00119

Project:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analyst Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting									
GFPC, Ra228, Liquid "A	As Received"									
Radium-228		2.45	+/-1.07	1.53	3.00	pCi/L		JXC9 03/08/22	1200 2229406	1
Radium-226+Radium-2	28 Calculatio	arent Products"								
Radium-226+228 Sum		3.00	+/-1.11			pCi/L		NXL1 03/10/22	1050 2229405	2
Rad Radium-226										
Lucas Cell, Ra226, Liqu	ıid "As Recei	ved"								
Radium-226		0.552	+/-0.269	0.235	1.00	pCi/L		LXP1 03/07/22	1014 2229392	3
The following Analytic	al Methods w	ere perfo	rmed:							

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	
2	Calculation	
3	EPA 903.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			102	(15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

Collector:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Project:

Client ID:

Report Date: March 10, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

11-FEB-22

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti ABS Lab Analytical Project:

Client Sample ID: AF24768 Sample ID: 570125007 Matrix: Ground Water Collect Date: 08-FEB-22 11:53 Receive Date:

Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analyst Date	Time Batch	Method
Rad Gas Flow Proportion	nal Counting	e								
GFPC, Ra228, Liquid "A	As Received"									
Radium-228	U	0.0876	+/-0.673	1.26	3.00	pCi/L		JXC9 03/08/22	1200 2229406	1
Radium-226+Radium-228 Calculation "See Parent Products"										
Radium-226+228 Sum		0.585	+/-0.728			pCi/L		NXL1 03/10/22	1050 2229405	2
Rad Radium-226										
Lucas Cell, Ra226, Liqu	iid "As Recei	ved"								
Radium-226		0.498	+/-0.276	0.340	1.00	pCi/L		LXP1 03/07/22	1014 2229392	3
The following Analytic	al Methods w	ere perfo	ormed:							

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	•

2 Calculation

EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			98.3	(15%-125%)

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor RL: Reporting Limit MDA: Minimum Detectable Activity

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Project:

Client ID:

Report Date: March 10, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF24769
Sample ID: 570125008
Matrix: Ground Water
Collect Date: 08-FEB-22 13:03

Receive Date: 11-FEB-22 Collector: Client

Parameter	Qualifier	Result 1	Uncertainty	MDC	RL	Units	PF	DF Analyst Date	Time Batch	Method
Rad Gas Flow Propor	tional Counting	,								
GFPC, Ra228, Liquid	"As Received"	•								
Radium-228	U	1.10	+/-1.06	1.76	3.00	pCi/L		JXC9 03/08/22	1200 2229406	1
Radium-226+Radium										
Radium-226+228 Sum		1.79	+/-1.11			pCi/L		NXL1 03/10/22	1050 2229405	2
Rad Radium-226										
Lucas Cell, Ra226, Li	quid "As Recei	ived"								
Radium-226		0.687	+/-0.326	0.367	1.00	pCi/L		LXP1 03/07/22	1014 2229392	3
The following Analyt	The following Analytical Methods were performed:									
Method	Description	0				F	Analys	st Comments		

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	·
2	Calculation	
3	EPA 903.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			101	(15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Project:

Client ID:

Report Date: March 10, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF24770
Sample ID: 570125009
Matrix: Ground Water
Collect Date: 08-FEB-22 13:08
Receive Date: 11-FEB-22

Receive Date: 11-FE: Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analyst Date	Time Batch	Method	
Rad Gas Flow Proporti	Rad Gas Flow Proportional Counting										
GFPC, Ra228, Liquid "	'As Received'	ı									
Radium-228		2.83	+/-0.948	1.13	3.00	pCi/L		JXC9 03/08/22	1200 2229406	1	
Radium-226+Radium-228 Calculation "See Parent Products"											
Radium-226+228 Sum		3.39	+/-0.979			pCi/L		NXL1 03/10/22	1050 2229405	2	
Rad Radium-226											
Lucas Cell, Ra226, Liq	uid "As Recei	ved"									
Radium-226		0.557	+/-0.243	0.194	1.00	pCi/L		LXP1 03/07/22	1014 2229392	3	
The following Analytic	The following Analytical Methods were performed:										
Method	Description	3				A	Analys	st Comments			

1110111011	2 esemption	T TTTT	, be continue	
1	EPA 904.0/SW846 9320 Modified	•		
2	Calculation			
3	EPA 903.1 Modified			

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

97.6 (15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Analyst Comments

Report Date: March 10, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF24771
Sample ID: 570125010
Matrix: Ground Water
Collect Date: 08-FEB-22 14:05
Receive Date: 11-FEB-22

Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analyst Date	Time Batch	Method	
Rad Gas Flow Proportion	Rad Gas Flow Proportional Counting										
GFPC, Ra228, Liquid "A	As Received"										
Radium-228	U	1.62	+/-1.13	1.78	3.00	pCi/L		JXC9 03/08/2	1200 2229406	1	
Radium-226+Radium-228 Calculation "See Parent Products"											
Radium-226+228 Sum		1.85	+/-1.14			pCi/L		NXL1 03/10/2	1050 2229405	2	
Rad Radium-226											
Lucas Cell, Ra226, Liqu	iid "As Recei	ved"									
Radium-226		0.224	+/-0.174	0.214	1.00	pCi/L		LXP1 03/07/2	1014 2229392	3	
The following Analytic	The following Analytical Methods were performed:										

1	EPA 904.0/SW846 9320 Modified		•		
2	Calculation				
3	EPA 903.1 Modified				
Surrogate/Tracer Recove	ery Test	Result	Nominal	Recovery%	Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" Result Nominal Recovery% Acceptable Limit Spring Surrogate/17acer GFPC, Ra228, Liquid "As Received" 93.5 (15%-125%)

Notes:

Method

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

Description

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: March 10, 2022

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF24779
Sample ID: 570125011
Matrix: Ground Water
Collect Date: 08-FEB-22 16:04
Receive Date: 11-FEB-22

Client

Client ID: SOOP001

SOOP00119

Project:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analyst Date	Time Batch	Method		
Rad Gas Flow Proportion	Rad Gas Flow Proportional Counting											
GFPC, Ra228, Liquid "A	As Received"											
Radium-228	U	0.0778	+/-0.706	1.33	3.00	pCi/L		JXC9 03/08/22	1200 2229406	1		
Radium-226+Radium-228 Calculation "See Parent Products"												
Radium-226+228 Sum		0.374	+/-0.739			pCi/L		NXL1 03/10/22	1050 2229405	2		
Rad Radium-226												
Lucas Cell, Ra226, Liqu	Lucas Cell, Ra226, Liquid "As Received"											
Radium-226	U	0.296	+/-0.217	0.297	1.00	pCi/L		LXP1 03/07/22	1014 2229392	3		
The following Analytic	al Methods w	ere perfo	ormed:									

Method	Description		Analyst Co	mments	
1	EPA 904.0/SW846 9320 Modified				
2	Calculation				
3	EPA 903.1 Modified				
Surrogate/Tracer Recove	erv Test	Result	Nominal	Recovery%	Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 95 (15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

Collector:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Project:

Client ID:

Report Date: March 10, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF24781
Sample ID: 570125012
Matrix: Ground Water
Collect Date: 09-FEB-22 13:36
Receive Date: 11-FEB-22

Receive Date: 11-FE: Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analyst Da	te T	Time Batch	Method
Rad Gas Flow Proportio	nal Counting										
GFPC, Ra228, Liquid "A	As Received"										
Radium-228	U	0.641	+/-1.07	1.85	3.00	pCi/L		JXC9 03/08	/22 1	1201 2229406	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"								
Radium-226+228 Sum		1.24	+/-1.11			pCi/L		NXL1 03/10	/22 1	1050 2229405	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	iid "As Recei	ved"									
Radium-226		0.604	+/-0.295	0.338	1.00	pCi/L		LXP1 03/07	/22 1	1014 2229392	3
The following Analytic	al Methods w	ere perfo	ormed:								
								_			

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	•
2	Calculation	

3 EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

92.7 (15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Project:

Client ID:

Analyst Comments

Report Date: March 10, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

11-FEB-22

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF24782
Sample ID: 570125013
Matrix: Ground Water
Collect Date: 09-FEB-22 11:25

Collector: Client

Receive Date:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analyst Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting	5								
GFPC, Ra228, Liquid "	As Received"	Į.								
Radium-228		2.64	+/-1.28	1.93	3.00	pCi/L		JXC9 03/08/2	2 1201 2229406	1
Radium-226+Radium-228 Calculation "See Parent Products"										
Radium-226+228 Sum		3.54	+/-1.33			pCi/L		NXL1 03/10/2	2 1050 2229405	2
Rad Radium-226										
Lucas Cell, Ra226, Liquid "As Received"										
Radium-226		0.894	+/-0.334	0.276	1.00	pCi/L		LXP1 03/07/2	2 1046 2229392	3
The following Analytic	cal Methods w	ere perfo	ormed:							

2	Calculation				
3	EPA 903.1 Modified				
Surrogate/Tracer Recove	rv Test	Result	Nominal	Recoverv%	Acceptable Limits

Surrogate/Tracer Recovery 1est Result Nominal Recovery% Acceptable Limit Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 100 (15%-125%)

Notes:

Method

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

Description

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: March 10, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF24786
Sample ID: 570125014
Matrix: Ground Water
Collect Date: 09-FEB-22 10:17
Receive Date: 11-FEB-22

Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analyst Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting	0								
GFPC, Ra228, Liquid ".	As Received"									
Radium-228	U	0.112	+/-0.879	1.61	3.00	pCi/L		JXC9 03/08/22	1201 2229406	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"							
Radium-226+228 Sum		0.678	+/-0.930			pCi/L		NXL1 03/10/22	1050 2229405	2
Rad Radium-226										
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"								
Radium-226		0.566	+/-0.304	0.379	1.00	pCi/L		LXP1 03/07/22	1046 2229392	3
The following Analytic	al Methods w	ere perfo	ormed:							
Method	Description					F	Analys	st Comments		

3	EPA 903.1 Modified				
Surrogate/Tracer Recove	ery Test	Result	Nominal	Recovery%	Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" Sesult Nominal Recovery% Acceptable Limit Result Nominal Recovery% Acceptable Limit Result Nominal Recovery% (15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 16 of 25 SDG: 570125

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: March 10, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

11-FEB-22

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti ABS Lab Analytical Project:

Client Sample ID: AF24787 Sample ID: 570125015 Matrix: Ground Water 09-FEB-22 12:35 Collect Date: Receive Date:

Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analyst Date Tir	ne Batch	Method
Rad Gas Flow Proportion	onal Counting	67								
GFPC, Ra228, Liquid ".	As Received"									
Radium-228	U	-0.290	+/-0.441	0.987	3.00	pCi/L		JXC9 03/08/22 120	01 2229406	1
Radium-226+Radium-2	28 Calculatio	n "See P	arent Products"							
Radium-226+228 Sum		0.268	+/-0.509			pCi/L		NXL1 03/10/22 10:	50 2229405	2
Rad Radium-226										
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"								
Radium-226	U	0.268	+/-0.254	0.399	1.00	pCi/L		LXP1 03/07/22 104	16 2229392	3
The following Analytic	al Methods w	ere perfo	ormed:							
Method	Description					I	Analys	st Comments		

Method	Description	Analyst Comn
1	EPA 904.0/SW846 9320 Modified	·

2 Calculation

EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			103	(15%-125%)

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor RL: Reporting Limit MDA: Minimum Detectable Activity

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 17 of 25 SDG: 570125

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Report Date: March 10, 2022

Santee Cooper P.O. Box 2946101

OCO3

Moncks Corner, South Carolina

Contact: Ms. Jeanette Gilmetti

Workorder: 570125

Parmname		NOM	Sample	Qual	QC	Units	RPD%	REC%	Range Anlst	Date Time
Rad Gas Flow Batch 2229406	s									
QC1205019478 570125001	DUP									
Radium-228		U	1.03	U	0.639	pCi/L	N/A		N/A JXC9	03/08/22 12:00
		Uncertainty	+/-0.993		+/-0.929					
QC1205019479 LCS										
Radium-228		47.6			38.1	pCi/L		80.1	(75%-125%)	03/08/22 13:56
		Uncertainty			+/-3.24					
QC1205019477 MB										
Radium-228				U	1.24	pCi/L				03/08/22 11:59
		Uncertainty			+/-1.05					
Rad Ra-226 Batch 2229392										
QC1205019442 570125001	DUP									
Radium-226			0.427	U	0.174	pCi/L	83.9		(0% - 100%) LXP1	03/07/22 10:46
		Uncertainty	+/-0.265		+/-0.147					
QC1205019444 LCS										
Radium-226		26.5			23.4	pCi/L		88.4	(75%-125%)	03/07/22 10:46
		Uncertainty			+/-1.63					
QC1205019441 MB										
Radium-226				U	0.245	pCi/L				03/07/22 10:46
		Uncertainty			+/-0.226					
QC1205019443 570125001	MS									
Radium-226		131	0.427		105	pCi/L		79.6	(75%-125%)	03/07/22 10:46
		Uncertainty	+/-0.265		+/-7.64					

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

The Qualifiers in this report are defined as follows:

** Analyte is a Tracer compound

< Result is less than value reported

> Result is greater than value reported

BD Results are either below the MDC or tracer recovery is low

FA Failed analysis.

Page 18 of 25 SDG: 570125

Page 1 of 2

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Workorder: 570125 Page 2 of 2 Parmname **NOM** Sample Qual QC Units RPD% REC% Range Anlst Date Time Н Analytical holding time was exceeded J See case narrative for an explanation T Value is estimated K Analyte present. Reported value may be biased high. Actual value is expected to be lower. L Analyte present. Reported value may be biased low. Actual value is expected to be higher. M M if above MDC and less than LLD REMP Result > MDC/CL and < RDL M N/A RPD or %Recovery limits do not apply. N1See case narrative ND Analyte concentration is not detected above the detection limit NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier Q One or more quality control criteria have not been met. Refer to the applicable narrative or DER. R Sample results are rejected U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD. UI Gamma Spectroscopy--Uncertain identification Gamma Spectroscopy--Uncertain identification UJ UL, Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias. X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier Y Other specific qualifiers were required to properly define the results. Consult case narrative.

^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.

h Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Page 19 of 25 SDG: 570125

Radiochemistry Technical Case Narrative Santee Cooper SDG #: 570125

Product: GFPC, Ra228, Liquid

Analytical Method: EPA 904.0/SW846 9320 Modified **Analytical Procedure:** GL-RAD-A-063 REV# 5

Analytical Batch: 2229406

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
570125001	AF24764
570125002	AF24765
570125003	AF24766
570125004	AF24767
570125005	AF24763
570125006	AF24761
570125007	AF24768
570125008	AF24769
570125009	AF24770
570125010	AF24771
570125011	AF24779
570125012	AF24781
570125013	AF24782
570125014	AF24786
570125015	AF24787
1205019477	Method Blank (MB)
1205019478	570125001(AF24764) Sample Duplicate (DUP)
1205019479	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Recounts

Sample 1205019479 (LCS) was recounted due to low recovery. The recount is reported. Sample 570125002 (AF24765) was re-eluted and recounted to verify sample result. The recount is reported.

Product: Lucas Cell, Ra226, Liquid Analytical Method: EPA 903.1 Modified

Analytical Procedure: GL-RAD-A-008 REV# 15

Page 20 of 25 SDG: 570125

Analytical Batch: 2229392

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
570125001	AF24764
570125002	AF24765
570125003	AF24766
570125004	AF24767
570125005	AF24763
570125006	AF24761
570125007	AF24768
570125008	AF24769
570125009	AF24770
570125010	AF24771
570125011	AF24779
570125012	AF24781
570125013	AF24782
570125014	AF24786
570125015	AF24787
1205019441	Method Blank (MB)
1205019442	570125001(AF24764) Sample Duplicate (DUP)
1205019443	570125001(AF24764) Matrix Spike (MS)
1205019444	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

Additional Comments

The matrix spike, 1205019443 (AF24764MS), aliquot was reduced to conserve sample volume.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Page 21 of 25 SDG: 570125

Chain of Custody

570125



Santee Cooper One Riverwood Drive Moneks Comer, SC 29461 Phone: (843)761-8000 Ext. 5148 Fax: (843)761-4175

	Customer Email/Report Recipient: احسابا (@santeecooper.com				Date R	Date Results Needed by: Project/Task/Unit #:									Rerun request for any flagged QC Yes No					
LLV	012-17		wsunteet	оорег.сот							<i>J_</i>		•		. 163	_	ınalysi	s Group	2	
	vorks ID # rnal use)		ample Locatio escription	n/	Collection Date	Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass- G/Plastic-P)	Grab (G) or Composite (C)	Matrix(see below)	Preservative (see	Me Re Mi An	Comments sthod # porting limit sc. sample info y other notes		RAD 226	RAD 228	TOTAL RAD CALC.		
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AF2	4768	G	4P-8		2/8/22	1153									kadilahan mada samulik anyang menangga					
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Re	linquished	by:	Employee#	Date	Time	Récei	ved by:	E	mployee	#	Date		Time	Preservativ						
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Chain of Custody



570|26 Santee Cooper One Riverwood Drive Moneks Corner, SC 29461 Phone: (843)761-8000 Ext. 5148 Fex: (843)761-4175

Custor	Customer Email/Report Recipient:			ent:	Date R	lesults Ne	eded by	eded by: Project/Task/Unit #: Rerun requ							Rerun request	equest for any flagged QC			
LCIA	ILLIA		_@santeec	ooper.com		//			1213	567	J_JM	02.0	9. 6 Ø1	1 36500	Yes	No			
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Labwo (Intern only)	rks ID # al use		mple Locatio scription	n/	Collection Date	Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass- G/Plastic-P)	Grab (G) or Composite (C)	Matrix(see below)	Preservative (see	Rep	Commenthod # porting limit sc. sample info y other notes		R40 226	RAD 228	TETAL RAD CALC	received
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□ Co □ Cr	10		☐ Hg ☐ CrVI	_		□ PCB			G Par Sulfur	ticle Si	ZC	4 0	Particulate M	atter	TSS		i.ru		
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Laboratories LLC SAMPLE RECEIPT & REVIEW FORM Client: 500 P SDG/AR/COC/Work Order: 570124/570/25 Received By: Date Received: FedEx Express FedEx Ground UPS Field Services (Courier) Other Carrier and Tracking Number ŝ Suspected Hazard Information *If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation. Hazard Class Shipped: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes_ A)Shipped as a DOT Hazardous? B) Did the client designate the samples are to be COC notation or radioactive stickers on containers equal client designation. received as radioactive? Maximum Net Counts Observed* (Observed Counts - Area Background Counts): C) Did the RSO classify the samples as X Classified as: Rad 1 Rad 2 Rad 3 radioactive? COC notation or hazard labels on containers equal client designation. D) Did the client designate samples are hazardous? If D or E is yes, select Hazards below. W PCB's Flammable Foreign Soil RCRA Beryllium E) Did the RSO identify possible hazards? NA NA Sample Receipt Criteria ž Comments/Qualifiers (Required for Non-Conforming Items) Circle Applicable: Seals broken Damaged container Leaking container Other (describe) Shipping containers received intact and 1 X sealed? Chain of custody documents included Circle Applicable: Client contacted and provided COC COC created upon receipt 2 with shipment? Preservation Method: Wet Ice Ice Packs Dry ice None Other: Samples requiring cold preservation *all temperatures are recorded in Celsius TEMP: within $(0 \le 6 \text{ deg. C})$?* Temperature Device Serial #: 1822-2 Daily check performed and passed on IR Secondary Temperature Device Serial # (If Applicable): temperature gun? Circle Applicable: Seals broken Damaged container Leaking container Other (describe) Sample containers intact and sealed? Sample ID's and Containers Affected: Samples requiring chemical preservation at proper pH? If Yes, are Encores or Soil Kits present for solids? Yes___ No___ NA__(If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No__ NA__ (If unknown, select No) Do any samples require Volatile 7 Are liquid VOA vials free of headspace? Yes___ No___ NA Analysis? Sample ID's and containers affected: ID's and tests affected: Samples received within holding time? ID's and containers affected: Sample ID's on COC match ID's on 9 bottles? Circle Applicable: No dates on containers No times on containers COC missing info Other (describe) Date & time on COC match date & time on bottles? Circle Applicable: No container count on COC Other (describe) Number of containers received match number indicated on COC? Are sample containers identifiable as GEL provided by use of GEL labels? Circle Applicable: Not relinquished Other (describe) COC form is properly signed in relinquished/received sections? Comments (Use Continuation Form if needed):

Page 24 of 25 SDG: 570125

PM (or PMA) review: Initials _ __

List of current GEL Certifications as of 10 March 2022

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-0651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	90129
Kentucky Wastewater	90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2019020
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	SC000122021-1
New Hampshire NELAP	2054
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2019–165
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235-21-19
Utah NELAP	SC000122021-36
Vermont	VT87156
Virginia NELAP	460202
Washington	C780



a member of The GEL Group INC







PO Box 30712 Charleston, SC 29417 2040 Savage Road Charleston, SC 29407 P 843.556.8171 F 843.766.1178

gel.com

March 12, 2022

Ms. Jeanette Gilmetti Santee Cooper P.O. Box 2946101 OCO3 Moncks Corner, South Carolina 29461

Re: ABS Lab Analytical Work Order: 570506

Dear Ms. Gilmetti:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 15, 2022. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4289.

Sincerely,

Grace Bodiford
Grace Bodiford
Julie Robinson
Project Manager

Purchase Order: 367074

Enclosures



2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report for

SOOP001 Santee Cooper

Client SDG: 570506 GEL Work Order: 570506

The Qualifiers in this report are defined as follows:

- * A quality control analyte recovery is outside of specified acceptance criteria
- ** Analyte is a Tracer compound
- ** Analyte is a surrogate compound
- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Julie Robinson.

0 •	59 ES
Maria	D 19_1
	Bodiford
10-74	

Reviewed by

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: March 12, 2022

SOOP00119

SOOP001

Project:

Client ID:

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF24785
Sample ID: 570506006
Matrix: Ground Water
Collect Date: 10-FEB-22 15:40

Receive Date: 15-FEB-22 Collector: Client

Parameter Qualifier Result DL RL Units PF DF Analyst Date Time Batch Method

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Report Date: March 12, 2022

Santee Cooper P.O. Box 2946101

OCO3

Moncks Corner, South Carolina

Contact: Ms. Jeanette Gilmetti

Workorder: 570506

Parmname NOM Sample Qual QC Units RPD% REC% Range Anlst Date Time

Notes:

The Qualifiers in this report are defined as follows:

- < Result is less than value reported
- > Result is greater than value reported
- H Analytical holding time was exceeded
- J See case narrative for an explanation
- J Value is estimated
- N/A RPD or %Recovery limits do not apply.
- N1 See case narrative
- ND Analyte concentration is not detected above the detection limit
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Q One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
- R Sample results are rejected
- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- ^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
- h Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable. ^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Page 4 of 18 SDG: 570506

Page 1 of 1

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: March 12, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF24780
Sample ID: 570506001
Matrix: Ground Water
Collect Date: 10-FEB-22 09:52

Receive Date: 15-FEB-22 Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Anal	yst Date	Time Batch	Method
Rad Gas Flow Proportion	nal Counting										
GFPC, Ra228, Liquid "A	As Received"										
Radium-228	U	0.985	+/-1.69	2.96	3.00	pCi/L		JXC9	03/11/22	1044 2232146	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"								
Radium-226+228 Sum		1.54	+/-1.73			pCi/L		1 TON	03/12/22	0945 2232161	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	iid "As Recei	ved"									
Radium-226		0.558	+/-0.385	0.528	1.00	pCi/L		LXP1	03/06/22	0902 2232145	3
The following Analytic	al Methods w	ere perfo	ormed:								

	95000 570	
Method	Description	Analyst Comments

EPA 904.0/SW846 9320 Modified
Calculation

2 Calculation
3 EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

47.8 (15%-125%)

Notes

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Project:

Client ID:

Analyst Comments

Report Date: March 12, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF24777
Sample ID: 570506002
Matrix: Ground Water
Collect Date: 10-FEB-22 11:42

Receive Date: 15-FEB-22 Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting	0									
GFPC, Ra228, Liquid "A	As Received"										
Radium-228		2.41	+/-1.43	2.16	3.00	pCi/L		JXC9	03/11/22	1044 2232146	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"								
Radium-226+228 Sum		3.27	+/-1.48			pCi/L		1 TON1	03/12/22	0945 2232161	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"									
Radium-226		0.860	+/-0.390	0.459	1.00	pCi/L		LXP1	03/06/22	0902 2232145	3
The following Analytic	al Methods w	ere perfo	ormed:								

Method Description						
Method	Description					

1	EPA 904.0/SW846 9320 Modified	•	
2	Calculation		
3	EPA 903.1 Modified		

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

69.3 (15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level
DL: Detection Limit PF: Prep Factor
MDA: Minimum Detectable Activity RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Project:

Client ID:

Report Date: March 12, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF24778
Sample ID: 570506003
Matrix: Ground Water
Collect Date: 10-FEB-22 12:45

Receive Date: 15-FEB-22 Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analy	st Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting	F7										
GFPC, Ra228, Liquid "	As Received"											
Radium-228	U	2.40	+/-1.86	2.95	3.00	pCi/L			JXC9	03/11/22	1044 2232146	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"									
Radium-226+228 Sum		2.72	+/-1.88			pCi/L		1	TON1	03/12/22	0945 2232161	2
Rad Radium-226												
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"										
Radium-226	U	0.326	+/-0.271	0.401	1.00	pCi/L			LXP1	03/06/22	0902 2232145	3
The following Analytic	cal Methods w	ere perfo	ormed:									
Method	Description					A	Analys	st Co	mment	S		

Method	Description		Analyst Comments							
1	EPA 904.0/SW846 9320 Modified		•							
2	Calculation									
3	EPA 903.1 Modified									
Surrogate/Tracer Rec	overy Test	Result	Nominal	Recovery%	Acceptable Limits					

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

47.2 (15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Project:

Client ID:

Report Date: March 12, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF24783
Sample ID: 570506004
Matrix: Ground Water
Collect Date: 10-FEB-22 14:28
Receive Date: 15-FEB-22

Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Ana	lyst Date	Time Batch	Method
Rad Gas Flow Proportion	nal Counting	67									*
GFPC, Ra228, Liquid "A	As Received"										
Radium-228	\mathbf{U}	2.36	+/-1.83	2.90	3.00	pCi/L		JXC	03/11/22	1044 2232146	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"								
Radium-226+228 Sum		3.04	+/-1.87			pCi/L		1 TON	1 03/12/22	0945 2232161	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	iid "As Recei	ved"									
Radium-226		0.678	+/-0.390	0.514	1.00	pCi/L		LXP	1 03/06/22	0902 2232145	3
The following Analytic	al Methods w	ere perfo	ormed:								
Method	Description					,	Analys	st Comme	nts		

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	·
	W & E	

2 Calculation 3 EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

46.8 (15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Project:

Client ID:

Report Date: March 12, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF24784
Sample ID: 570506005
Matrix: Ground Water
Collect Date: 10-FEB-22 14:33
Receive Date: 15-FEB-22

15-FEB-22 Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Aı	alyst Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting										
GFPC, Ra228, Liquid ".	As Received"										
Radium-228	U	0.529	+/-1.55	2.80	3.00	pCi/L		JX	03/11/22	1044 2232146	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"								
Radium-226+228 Sum		1.04	+/-1.58			pCi/L		1 TC	N1 03/12/22	0945 2232161	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"									
Radium-226		0.507	+/-0.333	0.446	1.00	pCi/L		LX	P1 03/06/22	0902 2232145	3
The following Analytic	al Methods w	ere perfo	ormed:								
Method	Description					,	\ nolve	rt Comm	ntc		

	ED 1 00 1 0 0 W 0 1 0 0 0 0 0 1 1 1 C 1	1 11141) 50 0 0 111111 0 1115
Method	Description	Analyst Comments

1 EPA 904.0/SW846 9320 Modified 2 Calculation

2 Calculation 3 EPA 903.1 Modified

Collector:

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			51.8	(15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: March 12, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF24785 Sample ID: 570506006 Matrix: Ground Water Collect Date: 10-FEB-22 15:40 15-FEB-22

Receive Date: Client Collector:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analy	st Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting	e										
GFPC, Ra228, Liquid ".	As Received"											
Radium-228	U	0.424	+/-1.68	2.98	3.00	pCi/L			JXC9	03/11/22	1045 2232140	5 1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"									
Radium-226+228 Sum		1.30	+/-1.73			pCi/L		1	TON1	03/12/22	0945 223216	2
Rad Radium-226												
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"										
Radium-226		0.878	+/-0.426	0.462	1.00	pCi/L			LXP1	03/06/22	0935 223214:	3
The following Analytic	al Methods w	ere perfo	ormed:									
Method	Description						Analys	st Co	mment	S		

The following i	mary tieur methods were performed.
Method	Description

Surrogate/Tracer Recove	erv Test	Result	Nominal	Recoverv%	Acceptable Limits
3	EPA 903.1 Modified				
2	Calculation				
1	EPA 904.0/SW846 9320 Modified				

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 39 (15%-125%)

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor MDA: Minimum Detectable Activity RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Report Date: March 12, 2022

Santee Cooper P.O. Box 2946101

OCO3

Moncks Corner, South Carolina

Contact: Ms. Jeanette Gilmetti

Workorder: 570506

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow Batch 2232146										
QC1205024390 570506001 DUP										
Radium-228	U	0.985		3.87	pCi/L	119*		(0% - 100%)	JXC9	03/11/22 10:44
	Uncertainty	+/-1.69		+/-2.04						
QC1205024391 LCS										
Radium-228	48.1			51.5	pCi/L		107	(75%-125%)		03/11/22 10:44
	Uncertainty			+/-4.43						
QC1205024389 MB										
Radium-228	T.T		U	2.20	pCi/L					03/11/22 10:43
	Uncertainty			+/-1.51						
Rad Ra-226 Batch 2232145										
QC1205024393 570506002 DUP Radium-226		0.860		1.36	pCi/L	45		(0% - 100%)	I VP1	03/06/22 09:35
Radium-220	Uncertainty	+/-0.390		+/-0.533	реин	7,5		(070 - 10070)		03/00/22 07.33
QC1205024395 LCS Radium-226	26.6			21.3	pCi/L		80.3	(75%-125%)		03/06/22 09:35
Radium-220	Uncertainty			+/-1.73	реил		80.5	(1370-12370)		03/00/22 09.33
	onecramity			., 1.,3						
QC1205024392 MB Radium-226			U	0.202	О:Л					02/06/22 00:25
Radium-226	Uncertainty		U	0.293 +/-0.249	pCi/L					03/06/22 09:35
	Oncertainty			17-0.2-17						
QC1205024394 570506002 MS										
Radium-226	132	0.860		121	pCi/L		90.7	(75%-125%)		03/06/22 09:35
	Uncertainty	+/-0.390		+/-8.76						

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

The Qualifiers in this report are defined as follows:

** Analyte is a Tracer compound

< Result is less than value reported

> Result is greater than value reported

BD Results are either below the MDC or tracer recovery is low

FA Failed analysis.

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Page 1 of 2

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Workorder: 570506 Page 2 of 2 Parmname **NOM** Sample Qual QC Units RPD% REC% Range Anlst Date Time Н Analytical holding time was exceeded J See case narrative for an explanation J Value is estimated K Analyte present. Reported value may be biased high. Actual value is expected to be lower. L Analyte present. Reported value may be biased low. Actual value is expected to be higher. M M if above MDC and less than LLD REMP Result > MDC/CL and < RDL M N/A RPD or %Recovery limits do not apply. N1See case narrative ND Analyte concentration is not detected above the detection limit NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier Q One or more quality control criteria have not been met. Refer to the applicable narrative or DER. R Sample results are rejected U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD. UI Gamma Spectroscopy--Uncertain identification Gamma Spectroscopy--Uncertain identification UJ UL, Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias. X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier Y Other specific qualifiers were required to properly define the results. Consult case narrative. Λ

^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.

h Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

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Technical Case Narrative Santee Cooper SDG #: 570506

Radiochemistry

Product: Radium-226+Radium-228 Calculation

Analytical Method: Calculation

Analytical Procedure: GL-RAD-D-003 REV# 44

Analytical Batch: 2232161

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
570506001	AF24780
570506002	AF24777
570506003	AF24778
570506004	AF24783
570506005	AF24784
570506006	AF24785

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: GFPC, Ra228, Liquid

Analytical Method: EPA 904.0/SW846 9320 Modified **Analytical Procedure:** GL-RAD-A-063 REV# 5

Analytical Batch: 2232146

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
570506001	AF24780
570506002	AF24777
570506003	AF24778
570506004	AF24783
570506005	AF24784
570506006	AF24785
1205024389	Method Blank (MB)
1205024390	570506001(AF24780) Sample Duplicate (DUP)
1205024391	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

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Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Duplication Criteria between QC Sample and Duplicate Sample

The Sample and the Duplicate, (See Below), did not meet the relative percent difference requirement; however, they do meet the relative error ratio requirement with the value listed below.

Sample	Analyte	Value
1205024390 (AF24780DUP)	Radium-228	RPD 119* (0.0%-100.0%) RER 2 (0-3)

Technical Information

Recounts

Samples were re-eluted and recounted due to low recovery. The recounts are reported.

Product: Lucas Cell, Ra226, Liquid **Analytical Method:** EPA 903.1 Modified

Analytical Procedure: GL-RAD-A-008 REV# 15

Analytical Batch: 2232145

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
570506001	AF24780
570506002	AF24777
570506003	AF24778
570506004	AF24783
570506005	AF24784
570506006	AF24785
1205024392	Method Blank (MB)
1205024393	570506002(AF24777) Sample Duplicate (DUP)
1205024394	570506002(AF24777) Matrix Spike (MS)
1205024395	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

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Additional Comments

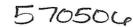
The matrix spike, 1205024394 (AF24777MS), aliquot was reduced to conserve sample volume.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

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Chain of Custody





Santee Cooper One Riverwood Drive Moneks Corner, SC 29461 Phone: (843)761-8000 Ext. 5148 Fax: (843)761-4175

Comments	No			QC
(Internal use only) Comap - 1	140			
(Internal use only) Comap - 1	Ana	alysis	Group	2
77 CCMLF-1 1142 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	RAD 224	KAD 228	TETAL RAD CALC.	
T8 CCM4F-1D	1	l	Х	
83 CCMAP-4 1428 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
84 CCMAP - 4 DUP 1433 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
85 CCMAP-5 1540 1 1 1 1 1 1 1	11			
Sample Receiving (Internal Use	11		11	
	1	1		
		_		
		-		
		_		
Relinquished by: Employee# Date Time Received by: Employee# Date Time TEMP (°C): In	se Only nitial:			
84harm 35594 2/15/22 00148 M GEL 2/15/22 0948				
Relinquished by: Employee# Date Time Received by: Employee# Date Time Correct pH: Yes No				
AN GEL 21500 1615 15B GEL 21822 1615 Preservative Lot#:				
pelinquished by: Employee# Date Time Received by: Employee# Date Time				
Date/Time/Init for preservation	tive:			
□ METALS (all) Nutrients MISC. Gypsum Coal Flyash				
□ Ag □ Cu □ Sb □ CC □ DEFEV □ SWallbased □ Chimato	Louis	(1)	Qual	
□ Al □ Fe □ Se □ DOC □ Napthalene Gypsum(all □ % Moisture □ LOI		Mais Let		
NH3-N DVOC AIM Sulfing Mineral	Act	idela S	Meggin	
□ Ba □ Mg □ Ti □ E. Coli □ Total metals □ BTUs Analysis	11.1			
□ Ba □ Mg □ H □ Cl □ Total Coliform □ Soluble Metals □ CHN □ Sieve □ Mn □ Tl □ NO2 □ pH □ Purity (CaSO4) □ CHN □ Sieve □ Siev	Used			
Dissolved As Company Other Tests:			un 11 (91)	
□ Cd □ Na □ Zn □ SO4 □ Rad 226 □ Tell □ PlGI □ PlGI	(A)	4.4°d.	11,500	14
□ Co □ Ni □ Hg □ PCB □ PCB □ Particulate Matter □ As	18			
□ Cr □ Pb □ CrVI □ Sulfur	COF	tat		

GEL Laboratories LLC

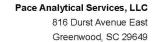
SAMPLE RECEIPT & REVIEW FORM

Clie	nt: SOOP			SDO	G/AR/COC/Work Order: 5 70506				
Reco	ived By: 5B			Date Received: 2/15/22					
	Carrier and Tracking Number				Circle Applicable: FedEx Express FedEx Ground UPS Field Services Courier Other				
Susp	ected Hazard Information	Yes	No No	*If	Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.				
A)Si	ipped as a DOT Hazardous?		/	Haz	ard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? YesNo				
	id the client designate the samples are to be ved as radioactive?		/	co	C notation or radioactive stickers on containers equal client designation.				
C) D	id the RSO classify the samples as		/	Ma	ximum Net Counts Observed* (Observed Counts - Area Background Counts):CPM / mR/Hr Classified as: Rad 1				
	id the client designate samples are hazardous?		1	co	C notation or hazard labels on containers equal client designation.				
E) D	id the RSO identify possible hazards?			If D	or E is yes, select Hazards below. PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:				
	Sample Receipt Criteria	Yes	NA	å	Comments/Qualifiers (Required for Non-Conforming Yterns)				
1	Shipping containers received intact and sealed?	1			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)				
2	Chain of custody documents included with shipment?				Circle Applicable: Client contacted and provided COC COC created upon receipt				
3	Samples requiring cold preservation within $(0 \le 6 \text{ deg. C})$?*		-	<u> </u>	Preservation Method: Wet Ice Ice Packs Dry ice None Other: *all temperatures are recorded in Celsius TEMP:				
4	Daily check performed and passed on IR temperature gun?	/			Temperature Device Serial #: 187-21 Secondary Temperature Device Serial # (If Applicable):				
5	Sample containers intact and sealed?	1			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)				
6	Samples requiring chemical preservation at proper pH?				Sample ID's and Containers Affected: If Preservation added, Lot#:				
7	Do any samples require Volatile Analysis?				If Yes, are Encores or Soil Kits present for solids? YesNoNA(If yes, take to VOA Freezer) Do liquid VCA vials contain acid preservation? YesNoNA(If unknown, select No) Are liquid VOA vials free of headspace? YesNoNA Sample ID's and containers affected:				
8	Samples received within holding time?	/			ID's and tests affected:				
9	Sample ID's on COC match ID's on bottles?	/			ID's and containers affected:				
10	Date & time on COC match date & time on bottles?	100			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)				
11	Number of containers received match number indicated on COC?	800			Circle Applicable: No container count on COC Other (describe)				
12	Are sample containers identifiable as GEL provided by use of GEL labels?	1							
13	COC form is properly signed in relinquished/received sections?	1			Circle Applicable: Not relinquished Other (describe)				
Cor	nments (Use Continuation Form if needed):			•					
L									

GL-CHL-SR-001 Rev 7

List of current GEL Certifications as of 12 March 2022

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-0651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	90129
Kentucky Wastewater	90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2019020
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	SC000122021-1
New Hampshire NELAP	2054
New Jersey NELAP	SC002
New Mexico	SC002
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2019–165
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235-21-19
Utah NELAP	SC000122021-36
	VT87156
Vermont Virginia NEL AD	460202
Virginia NELAP	C780
Washington	C/80



(864)229-4413



February 17, 2022

Sherri Brown
Santee Cooper
1 Riverwood Drive
Moncks Corner, SC 29461

RE: Project: 121567

Pace Project No.: 92585907

Dear Sherri Brown:

Enclosed are the analytical results for sample(s) received by the laboratory on February 02, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services Asheville
- Pace Analytical Services Peachtree Corners, GA

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tyriek Hooks

tyriek.hooks@pacelabs.com

Tyrick Hooks

(704)875-9092

Project Manager

Enclosures

cc: Jeanette Gilmeti, Santee Cooper Jeanette Gilmetti, Santee Cooper Courtney Ames Watkins, Santee Cooper

Linda Williams, Santee Cooper







CERTIFICATIONS

Project:

121567

Pace Project No.:

92585907

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804 Florida/NELAP Certification #: E87648

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030 South Carolina Certification #: 99030001 Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092 Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381 South Carolina Certification #: 98011001



SAMPLE ANALYTE COUNT

Project: 121567
Pace Project No.: 92585907

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92585907001	AF24794	EPA 6010D	КН	1	PASI-GA
92585907002	AF24795	EPA 6010D	KH	1	PASI-GA
92585907003	AF24796	EPA 6010D	KH	1	PASI-GA
92585907004	AF24797	EPA 6010D	KH	1	PASI-GA
92585907005	AF24798	EPA 6010D	KH	1	PASI-GA
92585907006	AF24800	EPA 6010D	KH	1	PASI-GA
92585907007	AF24804	EPA 6010D	KH	1	PASI-GA
92585907008	AF24799	EPA 6010D	KH	1	PASI-GA
92585907009	AF24802	EPA 6010D	KH	1	PASI-GA
92585907010	AF24776	EPA 6010D	KH	1	PASI-GA
		EPA 6010D	CBV, RDT	2	PASI-A
		EPA 7470A	DBB1	1	PASI-A
2585907011	AF24801	EPA 6010D	KH	1	PASI-GA
		EPA 6010D	CBV, RDT	2	PASI-A
		EPA 7470A	DBB1	1	PASI-A
92585907012	AF24803	EPA 6010D	KH	1	PASI-GA
		EPA 6010D	CBV, RDT	2	PASI-A
		EPA 7470A	DBB1	1	PASI-A
2585907013	AF24805	EPA 6010D	KH	1	PASI-GA
		EPA 6010D	CBV, RDT	2	PASI-A
		EPA 7470A	DBB1	1	PASI-A
92585907014	AF24806	EPA 6010D	KH	1	PASI-GA
		EPA 6010D	CBV, RDT	2	PASI-A
		EPA 7470A	DBB1	1	PASI-A
2585907015	AF24807	EPA 6010D	KH	1	PASI-GA
		EPA 6010D	CBV, RDT	2	PASI-A
		EPA 7470A	DBB1	1	PASI-A

PASI-A = Pace Analytical Services - Asheville

PASI-GA = Pace Analytical Services - Peachtree Corners, GA



Project: 121567
Pace Project No.: 92585907

Sample: AF24794	Lab ID: 925	85907001	Collected: 01/24/2	22 13:29	Received: 02	2/02/22 11:00 N	∕latrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Me	hod: EPA 60	10D Preparation Me	ethod: El	PA 3010A			
Pace Analytical Services - Peachtree Corners, GA								
Boron	ND	ma/l	0.040	1	02/12/22 11:59	02/13/22 19:58	7440-42-8	

02/12/22 11:59 02/13/22 20:27 7440-42-8



ANALYTICAL RESULTS

Project: 121567
Pace Project No.: 92585907

Date: 02/17/2022 02:23 PM

Boron

Sample: AF24795	Lab ID: 9258	35907002	Collected: 01/24/2	2 13:34	Received: 02/	02/22 11:00 I	Matrix: Water	~3
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	590 ⁷⁵⁰ 0 590 10		0D Preparation Me Peachtree Corners,		A 3010A			

0.040

ND

mg/L

02/12/22 11:59 02/13/22 20:32 7440-42-8



ANALYTICAL RESULTS

Project: 121567
Pace Project No.: 92585907

Date: 02/17/2022 02:23 PM

Boron

Sample: AF24796	Lab ID: 925	85907003	Collected: 01/24/2	2 14:43	Received: 02/	02/22 11:00	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	200 ¹²⁸ 0 200 100		0D Preparation Me Peachtree Corners,		A 3010A			

0.040

ND

mg/L



Project: 121567
Pace Project No.: 92585907

Date: 02/17/2022 02:23 PM

Sample: AF24797	Lab ID: 92	585907004	Collected: 01/24/2	2 16:12	Received: 02	/02/22 11:00 I	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	40Y (550)		0D Preparation Me		PA 3010A			
Boron	0.071	mg/L	0.040	4	02/12/22 11:59	00/42/00 00:26	7440 40 0	



Project: 121567
Pace Project No.: 92585907

Date: 02/17/2022 02:23 PM

Sample: AF24798	Lab ID: 925	85907005	Collected: 01/24/2	22 17:39	Received: 02	2/02/22 11:00 I	∕latrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Met	hod: EPA 601	0D Preparation Me	ethod: El	PA 3010A			
	Pace Analytic	al Services - F	Peachtree Corners,	GA				
Boron	ND	ma/l	0.040	1	02/12/22 11:59	02/13/22 20:41	7440-42-8	



Project: 121567
Pace Project No.: 92585907

Date: 02/17/2022 02:23 PM

Sample: AF24800	Lab ID: 925	585907006	Collected: 01/25/2	2 11:01	Received: 02	2/02/22 11:00 I	/latrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Met	hod: EPA 601	IOD Preparation Me	thod: E	PA 3010A			
	Pace Analytic	al Services - I	Peachtree Corners,	GA				
Boron	ND	mg/L	0.040	1	02/12/22 11:59	02/13/22 20:46	7440-42-8	



Project: 121567
Pace Project No.: 92585907

Sample: AF24804	Lab ID: 925	85907007	Collected: 01/25/2	2 13:21	Received: 02	2/02/22 11:00 N	//atrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Met	hod: EPA 601	0D Preparation Me	thod: El	PA 3010A			
	Pace Analytica	al Services - F	Peachtree Corners,	GA				
Boron	0.24	ma/L	0.040	1	02/12/22 11:59	02/13/22 20:51	7440-42-8	



Project: 121567
Pace Project No.: 92585907

Sample: AF24799	Lab ID: 925	85907008	Collected: 01/25/2	2 10:06	Received: 02	2/02/22 11:00 I	∕latrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Me	hod: EPA 60	10D Preparation Me	thod: El	PA 3010A			
	Pace Analytic	al Services -	Peachtree Corners,	GA				
Boron	ND	ma/l	0.040	1	02/12/22 11:59	02/13/22 20:55	7440-42-8	



Project: 121567
Pace Project No.: 92585907

Sample: AF24802	Lab ID: 925	85907009	Collected: 01/25/2	2 13:42	Received: 02	/02/22 11:00 N	∕latrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Met	hod: EPA 601	0D Preparation Me	thod: El	PA 3010A			
	Pace Analytic	al Services - F	Peachtree Corners,	GA				
Boron	ND	ma/l	0.040	1	02/12/22 11:59	02/13/22 21:10	7440-42-8	



Project: 121567
Pace Project No.: 92585907

Date: 02/17/2022 02:23 PM

Sample: AF24776	Lab ID: 9258	5907010	Collected: 01/25/2	22 09:54	Received: 02	2/02/22 11:00	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Meth	od: EPA 601	0D Preparation Me	ethod: E	PA 3010A			
	Pace Analytical	Services - F	eachtree Corners,	GA				
Boron	ND	mg/L	0.040	1	02/12/22 11:59	02/13/22 21:14	7440-42-8	
6010 MET ICP	Analytical Meth	od: EPA 601	0D Preparation Me	ethod: E	PA 3010A			
	Pace Analytical	Services - A	sheville					
Lithium	0.66	ug/L	0.50	1	02/08/22 09:53	02/16/22 16:04	7439-93-2	
Molybdenum	ND	ug/L	5.0	1	02/08/22 09:53	02/15/22 18:30	7439-98-7	
7470 Mercury	Analytical Meth	od: EPA 747	0A Preparation Me	thod: E	PA 7470A			
	Pace Analytical	Services - A	sheville					
Mercury	ND	ug/L	0.20	1	02/11/22 19:30	02/17/22 10:32	7439-97-6	



Project: 121567
Pace Project No.: 92585907

Sample: AF24801	Lab ID: 9258	5907011	Collected: 01/25/2	22 11:40	Received: 02	2/02/22 11:00 I	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Meth	od: EPA 601	I0D Preparation Me	ethod: E	PA 3010A			
	Pace Analytical	Services - I	Peachtree Corners,	GA				
Boron	ND	mg/L	0.040	1	02/12/22 11:59	02/13/22 21:19	7440-42-8	
6010 MET ICP	Analytical Meth Pace Analytical		IOD Preparation Me Asheville	ethod: E	PA 3010A			
Lithium Molybdenum	3.7 ND	ug/L ug/L	0.50 5.0	1		02/16/22 16:07 02/15/22 18:33		
7470 Mercury	Analytical Meth Pace Analytical		70A Preparation Me Asheville	thod: E	PA 7470A			
Mercury	ND	ug/L	0.20	1	02/11/22 19:30	02/17/22 10:38	7439-97-6	



Project: 121567
Pace Project No.: 92585907

Date: 02/17/2022 02:23 PM

Sample: AF24803	Lab ID: 9258	5907012	Collected: 01/25/2	22 12:22	Received: 02	2/02/22 11:00	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Meth	od: EPA 601	0D Preparation Me	ethod: E	PA 3010A			
	Pace Analytical	Services - F	Peachtree Corners,	GA				
Boron	ND	mg/L	0.040	1	02/12/22 11:59	02/13/22 21:24	7440-42-8	
6010 MET ICP	Analytical Meth	od: EPA 601	0D Preparation Me	ethod: E	PA 3010A			
	Pace Analytical	Services - A	Asheville					
Lithium	10.6	ug/L	0.50	1	02/08/22 09:53	02/16/22 16:10	7439-93-2	
Molybdenum	ND	ug/L	5.0	1	02/08/22 09:53	02/15/22 18:43	3 7439-98-7	
7470 Mercury	Analytical Meth	od: EPA 747	70A Preparation Me	ethod: El	PA 7470A			
	Pace Analytical	Services - A	Asheville					
Mercury	ND	ug/L	0.20	1	02/11/22 19:30	02/17/22 10:40	7439-97-6	



Project: 121567
Pace Project No.: 92585907

Date: 02/17/2022 02:23 PM

Sample: AF24805	Lab ID: 9258	5907013	Collected: 01/25/2	22 15:04	Received: 02	2/02/22 11:00	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Meth	od: EPA 601	IOD Preparation Me	ethod: E	PA 3010A			
	Pace Analytical	Services - I	Peachtree Corners,	GA				
Boron	0.041	mg/L	0.040	1	02/12/22 11:59	02/13/22 21:29	7440-42-8	
6010 MET ICP	Analytical Meth	od: EPA 601	I0D Preparation Me	ethod: E	PA 3010A			
	Pace Analytical	Services - A	Asheville					
Lithium	10.4	ug/L	0.50	1	02/08/22 09:53	02/16/22 16:13	3 7439-93-2	
Molybdenum	ND	ug/L	5.0	1	02/08/22 09:53	02/15/22 18:46	7439-98-7	
7470 Mercury	Analytical Meth-	od: EPA 747	70A Preparation Me	ethod: E	PA 7470A			
	Pace Analytical	Services - A	Asheville					
Mercury	ND	ug/L	0.20	1	02/11/22 19:30	02/17/22 10:42	2 7439-97-6	



Project: 121567
Pace Project No.: 92585907

Sample: AF24806	Lab ID: 9258	35907014	Collected: 01/26/2	2 10:30	Received: 02	2/02/22 11:00	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Meth	od: EPA 601	0D Preparation Me	thod: E	PA 3010A			
	Pace Analytical	Services - P	eachtree Corners,	GA				
Boron	ND	mg/L	0.040	1	02/12/22 11:59	02/13/22 21:34	7440-42-8	
6010 MET ICP	Analytical Meth	od: EPA 601	0D Preparation Me	thod: E	PA 3010A			
	Pace Analytical	Services - A	sheville					
Lithium	3.7	ug/L	0.50	1	02/08/22 09:53	02/16/22 16:17	7439-93-2	
Molybdenum	ND	ug/L	5.0	1	02/08/22 09:53	02/15/22 18:50	7439-98-7	
7470 Mercury	Analytical Meth	od: EPA 747	0A Preparation Me	thod: E	PA 7470A			
	Pace Analytical	Services - A	sheville					
Mercury	ND	ug/L	0.20	1	02/11/22 19:30	02/17/22 10:44	7439-97-6	



Project: 121567
Pace Project No.: 92585907

Sample: AF24807	Lab ID: 9258	5907015	Collected: 01/26/2	2 10:35	Received: 02	2/02/22 11:00	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Meth	od: EPA 601	IOD Preparation Me	thod: E	PA 3010A			
	Pace Analytical	Services - F	Peachtree Corners,	GA				
Boron	ND	mg/L	0.040	1	02/12/22 11:59	02/13/22 21:38	7440-42-8	
6010 MET ICP			0D Preparation Me	ethod: E	PA 3010A			
	Pace Analytical	Services - A	Asheville					
Lithium	3.8	ug/L	0.50	1	02/08/22 09:53	02/16/22 16:20	7439-93-2	
Molybdenum	ND	ug/L	5.0	1	02/08/22 09:53	02/15/22 18:53	7439-98-7	
7470 Mercury	Analytical Meth	od: EPA 747	70A Preparation Me	thod: E	PA 7470A			
	Pace Analytical	Services - A	Asheville					
Mercury	ND	ug/L	0.20	1	02/11/22 19:30	02/17/22 10:46	7439-97-6	



QUALITY CONTROL DATA

Project: 121567
Pace Project No.: 92585907

Boron

Date: 02/17/2022 02:23 PM

QC Batch: 677938 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A Analysis Description: 6010D ATL

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92585907001, 92585907002, 92585907003, 92585907004, 92585907005, 92585907006, 92585907007,

92585907008, 92585907009, 92585907010, 92585907011, 92585907012, 92585907013, 92585907014,

92585907015

METHOD BLANK: 3548157 Matrix: Water

Associated Lab Samples: 92585907001, 92585907002, 92585907003, 92585907004, 92585907005, 92585907006, 92585907007,

92585907008, 92585907009, 92585907010, 92585907011, 92585907012, 92585907013, 92585907014,

92585907015

Blank Reporting
Parameter Units Result Limit Analyzed Qualifiers

mg/L ND 0.040 02/13/22 19:49

LABORATORY CONTROL SAMPLE: 3548158

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Boron mg/L 1.0 101 80-120

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3548159 3548160

MS MSD 92585907001 Spike Spike MS MSD MS MSD % Rec Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits RPD Qual 75-125 Boron ND 1.1 105 108 2 mg/L 1.1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



QUALITY CONTROL DATA

Project: 121567
Pace Project No.: 92585907

Date: 02/17/2022 02:23 PM

QC Batch: 677748 Analysis Method: EPA 7470A

QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92585907010, 92585907011, 92585907012, 92585907013, 92585907014, 92585907015

METHOD BLANK: 3547268 Matrix: Water

Associated Lab Samples: 92585907010, 92585907011, 92585907012, 92585907013, 92585907014, 92585907015

Blank Reporting

 Parameter
 Units
 Result
 Limit
 Analyzed
 Qualifiers

 ug/L
 ND
 0.20
 02/17/22 10:27

Mercury ug/L ND 0.20 02/17/22 10:2

LABORATORY CONTROL SAMPLE: 3547269

Spike LCS LCS % Rec Conc. Result % Rec Limits Qualifiers Parameter Units 2.5 2.7 108 80-120 Mercury ug/L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3547270 3547271

MS MSD 92585907010 Spike Spike MS MSD MS MSD % Rec Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** Qual ND 2.5 2.4 82 75-125 Mercury ug/L 2.5 2.1 96 16

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



QUALITY CONTROL DATA

Project: 121567 Pace Project No.: 92585907

Lithium

Date: 02/17/2022 02:23 PM

QC Batch: 676661 QC Batch Method: EPA 3010A Analysis Method: EPA 6010D Analysis Description: 6010 MET

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92585907010, 92585907011, 92585907012, 92585907013, 92585907014, 92585907015

METHOD BLANK: 3541609 Matrix: Water

Associated Lab Samples: 92585907010, 92585907011, 92585907012, 92585907013, 92585907014, 92585907015

Blank Reporting Qualifiers Parameter Units Result Limit Analyzed ND 0.50 02/16/22 15:09 ug/L ND Molybdenum ug/L 5.0 02/15/22 17:25

LABORATORY CONTROL SAMPLE: 3541610 Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Lithium 484 97 80-120 ua/L 515 Molybdenum ug/L 500 103 80-120

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3541766 3541767 MS MSD 35693149001 Spike Spike MS MSD MS MSD % Rec Parameter RPD Units Result Conc. Conc. Result Result % Rec % Rec Limits Qual 3.5 Lithium ug/L 500 500 579 602 115 120 75-125 4 Molybdenum ug/L 14.0 500 500 517 535 101 104 75-125 3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



QUALIFIERS

Project: 121567
Pace Project No.: 92585907

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

Date: 02/17/2022 02:23 PM



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 121567
Pace Project No.: 92585907

Date: 02/17/2022 02:23 PM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92585907001	AF24794	EPA 3010A	677938	EPA 6010D	677950
92585907002	AF24795	EPA 3010A	677938	EPA 6010D	677950
92585907003	AF24796	EPA 3010A	677938	EPA 6010D	677950
92585907004	AF24797	EPA 3010A	677938	EPA 6010D	677950
92585907005	AF24798	EPA 3010A	677938	EPA 6010D	677950
92585907006	AF24800	EPA 3010A	677938	EPA 6010D	677950
92585907007	AF24804	EPA 3010A	677938	EPA 6010D	677950
92585907008	AF24799	EPA 3010A	677938	EPA 6010D	677950
92585907009	AF24802	EPA 3010A	677938	EPA 6010D	677950
92585907010	AF24776	EPA 3010A	677938	EPA 6010D	677950
92585907011	AF24801	EPA 3010A	677938	EPA 6010D	677950
92585907012	AF24803	EPA 3010A	677938	EPA 6010D	677950
92585907013	AF24805	EPA 3010A	677938	EPA 6010D	677950
92585907014	AF24806	EPA 3010A	677938	EPA 6010D	677950
92585907015	AF24807	EPA 3010A	677938	EPA 6010D	677950
92585907010	AF24776	EPA 3010A	676661	EPA 6010D	676721
92585907011	AF24801	EPA 3010A	676661	EPA 6010D	676721
92585907012	AF24803	EPA 3010A	676661	EPA 6010D	676721
92585907013	AF24805	EPA 3010A	676661	EPA 6010D	676721
92585907014	AF24806	EPA 3010A	676661	EPA 6010D	676721
92585907015	AF24807	EPA 3010A	676661	EPA 6010D	676721
92585907010	AF24776	EPA 7470A	677748	EPA 7470A	677859
92585907011	AF24801	EPA 7470A	677748	EPA 7470A	677859
92585907012	AF24803	EPA 7470A	677748	EPA 7470A	677859
92585907013	AF24805	EPA 7470A	677748	EPA 7470A	677859
92585907014	AF24806	EPA 7470A	677748	EPA 7470A	677859
92585907015	AF24807	EPA 7470A	677748	EPA 7470A	677859

Pace Analytical

Document Name: Sample Condition Upon Receipt (SCUR) Document No.: F-CAR-CS-033-Rev.08

Document Revised: November 15, 2021
Page 1 of 2
lissuing Authority:
Pace Carolinas Quality Office

Laboratory receiving samples: Asheville	Hunters	sville [Rale	eigh[Mechanicsville
Sample Condition Upon Receipt Santee Coo	OP C			Proje	ист#: WO#: 92585907
Courier: Fed Ex YUPS Commercial Pace	□USP! □Othe			Client	92585907
Custody Seal Present? Yes ZNo Seals	Intact?	Yes	Dan	10	Date/Initials Person Examining Contents 2-2-22 An
	blë Bags · ·	Nor	ne 🗆	Other	Biological Tissue Frozen?
Thermometer: IR Gun D: WA	Type of k	191]Wet []Blue	Minous Class Class Class
Cooler Temp: NA Add/Subtract (*C	NH		-		Temp should be above freezing to 6.°C Samples out of temp criteria. Samples on ice, cooling process has begun
JSDA Regulated Soil (💢 N/A, water sample) Old samples originate in a quarantine zone within the Unite Yes 💢 No	d States: CA	NY, or S	SC (check r	naps)?	Did samples originate from a foreign source (Internationally, including Hawaii and Puerto Rico)? Yes (No
	CONT.				Comments/Discrepancy:
Chain of Custody Present?	X Yes	No	□N/A	1.	
Samples Arrived within Hold Time?	Xiyes	No	. □N/A	2.	y ,
Short Hold Time Analysis (<72 hr.)?	Yes □Yes	No (Male)	□N/A □N/A	3. 4.	— · · · · · · · · · · · · · · · · · · ·
Rush Turn Around Time Requested?		No			
Sufficient Volume? Correct Containers Used? -Pace Containers Used?	ØYes ØYes ØYes	□No □No □No		6.	
Containers intact?	(X) Yes	□No.	□n/a	7.	
Dissolved analysis: Samples Field Filtered?	Yes	□Ro.	PÓN/A	8,	
Sample Labels Match COC?	Yes	□No.	□ń∖v	9.	
-Includes Date/Time/ID/Analysis Matrix:	WT				
Headspace in VOA Vials (>5-6mm)?	□Yes	□No.	IXIN/A	10.	
Trip Blank Present?	☐Yes	□No	A/N CA	11.	
Trip Blank Custody Seals Present? COMMENTS/SAMPLE DISCREPANCY	□Yes	□Na	J <u>M</u> N/A	<u> </u>	Field Data Required? ☐Yeş ☐No
CLIENT NOTIFICATION/RESOLUTION	NIGO-N		·	Loi	t (D of aplit containers:
Person contacted:			Date/1	`ime: _	* /,
Project Manager SCURF Review:					Date:
Project Manager SRF Review:					Date;



Document Name; Sample Condition Upon Receipt (SCUR)

Document No.: F-CAR-CS-033-Rev.08 Document Revised: November 15, 2021 Page 2 of 2

Issuing Authority: Pace Carolinas Quality Office

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

Project #

WO#: 92585907

PM: TIH

Due Date: 02/16/22

CLIENT: 97-SanteeCoo

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Ct-)	8P3U-250 FL Plastic Unpreserved (N/A)	8P2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP45-125 mL Plastic H2SO4 (pH < 2) (CL-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP42-125 ml Plastic ZN Acetate & NaOH (>9)	BP48-125.mL Plastic NaOH (pH > 12) (G-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (CF)	AG1H-1 liter Amber HCI (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (CI-)	AG15-1 liter Amber H2504 (pH <-2)	AG3S-250 mL Amber H2504 (pH < 2)	AG3A(DG3AJ-250 mL Amber NHACI (N/A)[CI-)	DG9H-40-micVOA HCI (N/A)	VG9T-40 mL VOA Na2SZO3 (N/A)	VG9U-40 ml VQA Unpreserved (M/A)	DG9P-40 mLVOA H3PO4 (N/A)	VDAK (3 vials per kit)-5035, kit (N/A)	V/GK (3 vials per kft)~VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A – lab)	SPZT-250 mt Sterile Plastic (NZA – lab)		BP3A-250 mL Plastic (NHZ)2504 (9.3-9.7)	AGOU-100 mt. Amber Unpresented vials (N/A)	VSGU-20 mt. Scintillation vials (N/A)	DG9U-40.ml. Amber Unpreserved vials (N/A)
1	1				1	X	1	1	100		1		1	1	1									1	1			
2	1				1	X	/	1			1	,	1	1	1									1				
3					1	X	/	1			1		1	1	1									1				
4		A-D-			1	Y	1	1	-		/		1	/	1						•			1	/			
S	/				/	V	1	/			/		1	1	1									/	/			
6					1	V	1	/			/		/	/	1									1	/			
7	/				/	V	1	/			/		/	/	/									/	/			
8	/				/	V	1	1			/		/	1	7									/	7			
9	1				/	X	1	/	-		/		/	/	/								,	/	/			1
10	1				/	Y	/	/			/		/	/	/									/	/		1	
11					/	X	/	4			/		/	/	/									/	/		-	
12	/				/	X	1	/			1		/	1	/									7				

	pH Adjustment Log for Preserved Samples												
Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added:	Lot.#							
					-								

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.



Document Name: Sample Condition Upon Receipt (SCUR) Document No.: F-CAR-CS-033-Rev.08

Document Revised: November 15, 2021
Page 2 of 2
Issuing Authority:
Pace Carolinas Quality Office

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples. Project #

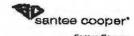
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLFig

l'Eemit	8P4tJ-125 mL Plastic Unpreserved (N/A) (CI-)	8P3U-250 mt. Plasac Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	8P45-125 mt Plante H2504 (pH < 2) (CH)	BP3N-250 mL plastic HNO3 (pH < 2)	8P42-125 ml. Plastic ZN Acergie & N2OH (>9)	BP48-125 ml. Plostic NaOH (bH > 12) (Cl-).	WGFU-Wide-mouthed Glass jar Unpreserved	AGIU-1 (Ner-Achber Unpreserved (N/A) (C-)	AG1H-1 liver Amber HCI (pH <- 2)	AG3U-250 mt Amber Unpreserved (N/A) (CI-)	AG15-1 liter Amber H2504 (pH < 2)	A535-25C ml. Amber: H2504 (pH < 2)	AG3A(DG3A)-250 FE. Amber NH4CI (N/A)(CI-)	DG9H-#0 mt, VOA HCI (N/A)	VGST-40 mL VOA NaŻŚZO3 (N/A)	VG9(L-40'm) VOA Unpreserved (N/A)	DG9P-40 mt YOA H3PO4 (N/A)	VOAK (3 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-vPH/Gas ldt (NYN)	SPST-125 mL Sterile Plastic (N/A - lab)	SPZT-250 mL Sterile Plastic (N/A-1ab)		8P3A-250 mt Plastic (NH2)25O4 (9.3-9.7)	AGDU-106 mt. Amber Unpresegged-vials (N/A)	VSGU-20 mt Schrillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1	1				1	X	1	1			1		1	1										1	1			1
2	1				1	X	/	1					1												/		1	
3	1				/	X	1				/		1	1				1		1				1	1			
4		1			/	1	/				1		/	1		í	1				2110		, card					
5	1				/	1	1	1			1		/		1		1 700											
6					1	1	/	1		,	1		1	1									3	1				
7	1	1			1	/							/	/									,					
8	1				1	1	/	1			1		1	1										/	1			*
9	/				1	1	1	1					/	1	1									1	1			
10	1				1	1	1	1			1		1	1											/			
11_	/				/	1					1		1	1	1					i	t			1	1			
12	1				1	1	1	1			/		1	/	1									1	1			

	pH Adjustment Log for Preserved Samples												
Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot H							
													
					I								

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

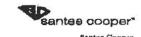
Chain of Custody



Santee Cooper One Riverwood Drive Montels Corner, SC 29461 Phone: (843)761-8000 En. 5148 Fax: (843)761-4175

*	Customer Ema	Date R	esults N	eeded b	ıy:		Pr	oject/	Task/	Unit #:	Rerun request for any flagged QC					
	LEWILLIA	@santeecooper.com	<u> </u>				1219	567	<u>√</u> JN	102.0	9. GU / 3650	O Yes	No			
4	C	12585907											L	Analysi	s Gro	nb
	Labwerks ID # (internal use only)	Sample Location/ Description	Collection Date	Collection-Time	Sample Collector	Total & of containers	Bottle type: [Glass: G/Plactic P)	Crist [6] or Crist [6] or	Mutinisse helow)	Presenative (see	Comm Method # Reporting limit Misc. sample in Any other notes	fo :	М	Li	γ°	1
100	AF24794	CUFIB-1	1/24/22	1329	BSB	1	P	G	GW	2	B-6010 RL	= NONE	×			
602	95	CLFIB - I NIP	j	1334							We polo , KT=	100 PFB	×			
003	96	CLF(B-2		। ।।५ ३							Li 6010 RL=	40 PPB	×			
2004	97	CLFIB-3		1612							Hg 7470 RL=	2 PFB	Х			
005	1 98	CLF1B-4		1739	1.	1	1.	1	1	-	,		Х			
010	AF24776	CBW-1		0954		.			Į,	1	* PURATE SEND		Х	X	×	X
Oll	J. 801	PM-I	1	1140	Ţ	1	1.	1	1		TO ATLANTA FOR	Bokon.	×	х	x	X
006	AF24800	arib-50 .	1/25/22	1101				1	1.	1			X			
007	1 804	Po2 - 5P	1	132		7	1	1	1	١,			X			
				. 1												
	Sirkelideolebau by Lifthorn Reliedunked by Rollidunkie by		1530	A.Kno	H sy	PACI	E/AV	とスク	(1) (1) (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	2	//O0 Preserva	eceiving (Internal U.C): WA 1 SH: VO No tive Loth:		"Al	R	
and the second s	□ Ai		ec'ri Jki	MIS JUTES Naphhale THINITA TO ALC TO ALC	ng A A Jisse Jisse As Fé					(11) en x is in hois la teach	P. (Clain) 1657 (grifs) 1757 Sam 1757 Sam 1750 (h. Sami)	TEACH Sections of Microsoft Williams Williams Condition				

Chain of Custody

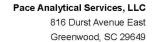


One Rivaryond Driva One Rivaryond Driva Moncks Corner, 80 29461 Phone: (843)761-8000 Est, 5148

	Customer Email	l/Report Recipient:	Date R	esuits No	y;	•	Pr	oject/	Task/	Unit #:	Rerun request for any flagged QC					
	LEWILLIA	@santeecooper.com		لنسا			121.5	47 .	1_31	102,	09. GOL 1 36500	_, Yes	No			
		2.8	3		S		e e	V20 - K					£	Analysi	s Grou	ID.
	Labworks ID # (Internal use only)	Sample Location/ Description	Collection Date	Collection Time	Sample Collectors	Total # of containers	Bottle troe (Glass G/Plastic P)				Commet Method # Reporting limit Misc, sample info Any other noise		<i>\$</i> 0	Ľ	Mo	Нэ
00B	AF24799	CLF18-5	1/25/22	1006	BSB.	1	P	G	GW	2	13 6010 RL- N	ONE	X			
013	AF24803	P02-4	1	1222				Ĵ.			Me 6010 RL= 10	os PPB.	×	х	×	x
013	L 805	P02-6		虚04	·L	1		Į,		1	Li 6010 RL= 40	847	Х	х	×	×
014	AF 24806	p02-7	1/26/22	(030		Ш			Ĺ		H= 7470 RL= 2	. बन्द	×	×	×	х
015	AF24807	toz-7 bup	Ţ	1035	<u>J.</u>	1	Ţ	1	<u> </u>	<u>. L.</u>			х	×	X	×
009	AF24802	Po5-3	L	1242	1	, <u>[</u> .	. 1	1]];:	FPLEASE SEND		X			
											TO ATLANTA FOR F	adean,				
										1.0		:				
											2					
	RENAMED THE BOY OF SECOND SECO	35544 2/1/22 2/1/22 1/2/2 1		MISCONICE CONTROL CONT	C C		· · · · · · · · · · · · · · · · · · ·		-2-2	2.	Correct pH // 00 find Date/Time/	Chi for preservat	ve	PAR		

Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boller water, L-limestone, Oil-oil, S-Soil, SL-solid, C-coal, G-gypsum, FA-flyash, BA-bottom ash, M-misc (describe in comment section).

Preservative code 1—4°C 2—HNO3 3=H2SO4 4-HC1 5=NaiSiO3 6-Other (Specify)



(864)229-4413



February 25, 2022

Sherri Brown Santee Cooper 1 Riverwood Drive Moncks Corner, SC 29461

RE: Project: 121567/JM02.09.G01/36500

Pace Project No.: 92588262

Dear Sherri Brown:

Enclosed are the analytical results for sample(s) received by the laboratory on February 15, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

• Pace Analytical Services - Asheville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tyriek Hooks

tyriek.hooks@pacelabs.com

Tyriak Hooks

(704)875-9092 Project Manager

Enclosures

cc: Jeanette Gilmeti, Santee Cooper Jeanette Gilmetti, Santee Cooper Courtney Ames Watkins, Santee Cooper Linda Williams, Santee Cooper







CERTIFICATIONS

Project:

121567/JM02.09.G01/36500

Pace Project No.:

92588262

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804 Florida/NELAP Certification #: E87648 North Carolina Drinking Water Certification #: 37712 North Carolina Wastewater Certification #: 40 South Carolina Laboratory ID: 99030 South Carolina Certification #: 99030001 Virginia/VELAP Certification #: 460222



SAMPLE ANALYTE COUNT

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92588262

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92588262001	AF24763	EPA 7470A	DBB1	1	PASI-A
92588262002	AF24761	EPA 7470A	DBB1	1	PASI-A
92588262003	AF24768	EPA 7470A	DBB1	1	PASI-A
92588262004	AF24769	EPA 7470A	DBB1	1	PASI-A
92588262005	AF24770	EPA 7470A	DBB1	1	PASI-A
92588262006	AF24771	EPA 7470A	DBB1	1	PASI-A
92588262007	AF24779	EPA 7470A	DBB1	1	PASI-A
92588262008	AF24781	EPA 7470A	DBB1	1	PASI-A
92588262009	AF24782	EPA 7470A	DBB1	1	PASI-A
92588262010	AF24786	EPA 7470A	DBB1	1	PASI-A
92588262011	AF24787	EPA 7470A	DBB1	1	PASI-A
92588262012	AF24780	EPA 7470A	DBB1	1	PASI-A
92588262013	AF24777	EPA 7470A	DBB1	1	PASI-A
92588262014	AF24778	EPA 7470A	DBB1	1	PASI-A
92588262015	AF24783	EPA 7470A	DBB1	1	PASI-A
92588262016	AF24784	EPA 7470A	DBB1	1	PASI-A
92588262017	AF24785	EPA 7470A	DBB1	1	PASI-A

PASI-A = Pace Analytical Services - Asheville



Project: 121567/JM02.09.G01/36500

Pace Project No.: 92588262

Date: 02/25/2022 03:39 PM

Sample: AF24763 Lab ID: 92588262001 Collected: 02/07/22 16:02 Received: 02/15/22 11:15 Matrix: Water CAS No. Parameters Results Units Report Limit DF Prepared Analyzed Qual 7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville ND ug/L 0.20 02/24/22 17:05 02/25/22 14:05 7439-97-6 Mercury



Project: 121567/JM02.09.G01/36500

Pace Project No.: 92588262

Date: 02/25/2022 03:39 PM

Sample: AF24761 Lab ID: 92588262002 Collected: 02/07/22 09:51 Received: 02/15/22 11:15 Matrix: Water CAS No. Parameters Results Units Report Limit DF Prepared Analyzed Qual 7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville ND ug/L 0.20 02/24/22 17:05 02/25/22 14:07 7439-97-6 Mercury



Project: 121567/JM02.09.G01/36500

Pace Project No.: 92588262

Date: 02/25/2022 03:39 PM

Mercury

Sample: AF24768 Lab ID: 92588262003 Collected: 02/08/22 11:53 Received: 02/15/22 11:15 Matrix: Water CAS No. Parameters Results Units Report Limit DF Prepared Analyzed Qual 7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville ND ug/L 0.20 02/24/22 17:05 02/25/22 14:09 7439-97-6



Project: 121567/JM02.09.G01/36500

Pace Project No.: 92588262

Date: 02/25/2022 03:39 PM

Sample: AF24769 Lab ID: 92588262004 Collected: 02/08/22 13:03 Received: 02/15/22 11:15 Matrix: Water Parameters CAS No. Results Units Report Limit DF Prepared Analyzed Qual 7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville ND ug/L 0.20 02/24/22 17:05 02/25/22 14:11 7439-97-6 Mercury

02/24/22 17:05 02/25/22 14:14 7439-97-6



ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92588262

Date: 02/25/2022 03:39 PM

Mercury

Sample: AF24770 Lab ID: 92588262005 Received: 02/15/22 11:15 Collected: 02/08/22 13:08 Matrix: Water CAS No. Parameters Results Units Report Limit DF Prepared Analyzed Qual 7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville

0.20

ND

ug/L

02/24/22 17:05 02/25/22 14:16 7439-97-6



ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92588262

Date: 02/25/2022 03:39 PM

Mercury

Sample: AF24771 Lab ID: 92588262006 Collected: 02/08/22 14:05 Received: 02/15/22 11:15 Matrix: Water CAS No. Parameters Results Units Report Limit DF Prepared Analyzed Qual 7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville

0.20

ND

ug/L



Project: 121567/JM02.09.G01/36500

Pace Project No.: 92588262

Date: 02/25/2022 03:39 PM

Sample: AF24779 Lab ID: 92588262007 Received: 02/15/22 11:15 Collected: 02/08/22 16:04 Matrix: Water CAS No. Parameters Results Units Report Limit DF Prepared Analyzed Qual 7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville ND 0.20 02/24/22 17:05 02/25/22 14:18 7439-97-6 Mercury ug/L



Project: 121567/JM02.09.G01/36500

Pace Project No.: 92588262

Date: 02/25/2022 03:39 PM

Mercury

Sample: AF24781 Lab ID: 92588262008 Collected: 02/09/22 13:36 Received: 02/15/22 11:15 Matrix: Water CAS No. Parameters Results Units Report Limit DF Prepared Analyzed Qual 7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville ND ug/L 0.20 02/24/22 17:05 02/25/22 14:20 7439-97-6



Project: 121567/JM02.09.G01/36500

Pace Project No.: 92588262

Date: 02/25/2022 03:39 PM

Sample: AF24782 Lab ID: 92588262009 Received: 02/15/22 11:15 Collected: 02/09/22 11:25 Matrix: Water CAS No. Parameters Results Units Report Limit DF Prepared Analyzed Qual 7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville ug/L ND 0.20 02/24/22 17:05 02/25/22 14:26 7439-97-6 Mercury



Project: 121567/JM02.09.G01/36500

Pace Project No.: 92588262

Date: 02/25/2022 03:39 PM

Sample: AF24786 Lab ID: 92588262010 Collected: 02/09/22 10:17 Received: 02/15/22 11:15 Matrix: Water CAS No. Parameters Results Units Report Limit DF Prepared Analyzed Qual 7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville ug/L ND 0.20 02/24/22 17:05 02/25/22 14:28 7439-97-6 Mercury



Project: 121567/JM02.09.G01/36500

Pace Project No.: 92588262

Date: 02/25/2022 03:39 PM

Mercury

Sample: AF24787 Lab ID: 92588262011 Collected: 02/09/22 12:35 Received: 02/15/22 11:15 Matrix: Water CAS No. Parameters Results Units Report Limit DF Prepared Analyzed Qual 7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville ND ug/L 0.20 02/24/22 17:05 02/25/22 14:30 7439-97-6



Project: 121567/JM02.09.G01/36500

Pace Project No.: 92588262

Date: 02/25/2022 03:39 PM

Sample: AF24780 Lab ID: 92588262012 Collected: 02/10/22 09:52 Received: 02/15/22 11:15 Matrix: Water Parameters CAS No. Results Units Report Limit DF Prepared Analyzed Qual 7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville ND ug/L 0.20 02/24/22 17:05 02/25/22 14:32 7439-97-6 Mercury

02/24/22 17:05 02/25/22 14:35 7439-97-6



ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92588262

Date: 02/25/2022 03:39 PM

Mercury

Sample: AF24777 Lab ID: 92588262013 Collected: 02/10/22 11:42 Received: 02/15/22 11:15 Matrix: Water CAS No. Parameters Results Units Report Limit DF Prepared Analyzed Qual 7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville

0.20

ND

ug/L

02/24/22 17:05 02/25/22 14:37 7439-97-6



ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92588262

Date: 02/25/2022 03:39 PM

Mercury

Sample: AF24778 Lab ID: 92588262014 Collected: 02/10/22 12:45 Received: 02/15/22 11:15 Matrix: Water CAS No. Parameters Results Units Report Limit DF Prepared Analyzed Qual 7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville

0.20

ND

ug/L



Project: 121567/JM02.09.G01/36500

Pace Project No.: 92588262

Date: 02/25/2022 03:39 PM

Mercury

Sample: AF24783 Lab ID: 92588262015 Collected: 02/10/22 14:28 Received: 02/15/22 11:15 Matrix: Water CAS No. Parameters Results Units Report Limit DF Prepared Analyzed Qual 7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville ND ug/L 0.20 02/24/22 17:05 02/25/22 14:39 7439-97-6



Project: 121567/JM02.09.G01/36500

Pace Project No.: 92588262

Date: 02/25/2022 03:39 PM

Sample: AF24784 Lab ID: 92588262016 Collected: 02/10/22 14:33 Received: 02/15/22 11:15 Matrix: Water Parameters CAS No. Results Units Report Limit DF Prepared Analyzed Qual 7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville ug/L ND 0.20 02/24/22 17:05 02/25/22 14:41 7439-97-6 Mercury

02/24/22 17:05 02/25/22 14:43 7439-97-6



ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92588262

Date: 02/25/2022 03:39 PM

Mercury

Sample: AF24785 Lab ID: 92588262017 Collected: 02/10/22 15:40 Received: 02/15/22 11:15 Matrix: Water CAS No. Parameters Results Units Report Limit DF Prepared Analyzed Qual 7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville

0.20

ND

ug/L



QUALITY CONTROL DATA

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92588262

Mercury

Date: 02/25/2022 03:39 PM

QC Batch: 679759 Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92588262001, 92588262002, 92588262003, 92588262004, 92588262005, 92588262006, 92588262007,

92588262008, 92588262009, 92588262010, 92588262011, 92588262012, 92588262013, 92588262014,

92588262015, 92588262016, 92588262017

METHOD BLANK: 3556580 Matrix: Water

Associated Lab Samples: 92588262001, 92588262002, 92588262003, 92588262004, 92588262005, 92588262006, 92588262007,

92588262008, 92588262009, 92588262010, 92588262011, 92588262012, 92588262013, 92588262014,

92588262015, 92588262016, 92588262017

Blank Reporting
Parameter Units Result Limit Analyzed Qualifiers

ug/L ND 0.20 02/25/22 13:46

LABORATORY CONTROL SAMPLE: 3556581

Spike LCS LCS % Rec

Parameter Units Conc. Result % Rec Limits Qualifiers

Mercury ug/L 2.5 2.3 91 80-120

Mercury ug/L 2.5 2.3 91 80-1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3556582 3556583

MSD MS 92585602004 Spike Spike MS MSD MS MSD % Rec Parameter Units Result Conc Conc. Result Result % Rec % Rec Limits RPD Qual ND 2.5 2.5 2.2 2.3 89 75-125 2 Mercury ug/L 91

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



QUALIFIERS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92588262

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

Date: 02/25/2022 03:39 PM



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92588262

Date: 02/25/2022 03:39 PM

_ab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2588262001	AF24763	EPA 7470A	679759	EPA 7470A	680860
2588262002	AF24761	EPA 7470A	679759	EPA 7470A	680860
2588262003	AF24768	EPA 7470A	679759	EPA 7470A	680860
2588262004	AF24769	EPA 7470A	679759	EPA 7470A	680860
2588262005	AF24770	EPA 7470A	679759	EPA 7470A	680860
2588262006	AF24771	EPA 7470A	679759	EPA 7470A	680860
2588262007	AF24779	EPA 7470A	679759	EPA 7470A	680860
2588262008	AF24781	EPA 7470A	679759	EPA 7470A	680860
2588262009	AF24782	EPA 7470A	679759	EPA 7470A	680860
92588262010	AF24786	EPA 7470A	679759	EPA 7470A	680860
2588262011	AF24787	EPA 7470A	679759	EPA 7470A	680860
2588262012	AF24780	EPA 7470A	679759	EPA 7470A	680860
2588262013	AF24777	EPA 7470A	679759	EPA 7470A	680860
2588262014	AF24778	EPA 7470A	679759	EPA 7470A	680860
2588262015	AF24783	EPA 7470A	679759	EPA 7470A	680860
2588262016	AF24784	EPA 7470A	679759	EPA 7470A	680860
2588262017	AF24785	EPA 7470A	679759	EPA 7470A	680860

Pace Analytical	Document Name: Sample Condition Upon Reci Document No.: F-CAR-CS-033-Rev.0	elpt (SCUR)	Document Revised: November 15, 2021 Page 1 of 2 Issuing Authority: Pace Carolina's Quality Office
Laboratory receiving samples: Asheville Eden Greenwoo			echanicsville Atlanta Kernersville
Sample Condition Upon Receipt Country Country	more	Project i	10#:92588262
Courtercial Fed Ex Desce	UP\$ USPS Cother:]¢lient	2588262
ustody Seal Present? Yes No	Seals Intact? Yes	No S	Date/Initials Person Examining Contents: M 2.15
nermorineter: [3 IR Gua ID: 93T97]	Type of Ice;	Other	Biological Tissue Frózen? ☐Yes ☐No ☑N/A one
oler Temp: 143 Correction Add/Subtra oler Temp Corrected (°C): OA Regulated Soil (N/A, water sample)	14.3	E ha	o should be above freezing to 6°C]Samples out of temp criteria. Samples on Ice, cooling proces as begun
d samples originate in a quarantine zone within the Yes No	s United States: CA, NY, or SC (check o	maps)? Did sa includ	rmples originate from a foreign source (internationally, fing Hawaii and Puerta Rico)?
Chain of Custody Present?	ØYes □No □N/A	1.	
		7/2	
Samples Arrived within Hold Time?	ØYes □NO □NA	3.	· · · · · · · · · · · · · · · · · · ·
Short Hold Time Analysis (<72 hr.)? Rush Turn Around Time Requested?	TYES AND THAT	4.	
Sufficient Volume? Correct Containers Used?	Øyes □No □N/A Øyes □No □N/A	6.	
-Pace Containers Used?	ZYes No NA	<u></u>	
Containers Intact?	Ziyes ONO ON/A	7,	
Disso Ived analysis: Samples Field Filtered?	TYES THE DINA	8.	
Sample Eabels Match (06?	☑Yes □No □N/A	9.	
In cludes Date/Time/ID/Analysis Matrix:	_ עז		·
Headspace In VOAVI als (>5-6mm)?	□Yes □No ØN/A	10.	
Trip Blank Present?	Ores ONO ZINIA	11.	
Trip Blank Custody Seals Present?	□Yes □No □N/A		
MMENTS/SAMPLEDIS CREPANCY			Field Data Required? Yes No
		Lot ID of	split containers:
IENT NO TIFICATION/RES OLUTION			
Person Contacted:	Oate/	Time:	
Project Manager SCU RF Review:	······································		Date:
Project Manager SRF Review:			Date:

Pace Analytical

Document Name; Sample Condition Upon Receipt (SCUR)

Document No.: F-CAR-CS-033-Rev.08 Document Revised: November 15, 2021

Page 2 of 2 Issuing Authority: Page Carolinas Guality Affice

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Skeptions: VOA, Collform, TOC, Oil and Gresse, DRO/8Q15 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

Project LIO#: 92588262

PM: TIH

Due Date: 03/01/22

CLIENT: 97-SanteeCoo

(Nema)	BP4U-125 mt. Plastie Unpreserved (N/A) (CI-)	8P3U-250 mL Plastic Unpreserved (N/A)	8P2U-508 ml. Plartic Unpreserved (N/A)	8P1U-1 (Ker Plastic Unpreserved (N/A)	8P45-125 mL Plastic H2SO4 (DH < 2) (CL-)	BP3N-250 mL plastic HN99 (pH < 2)	8P42-125 mt Plastic ZN Acetate & Neigh (>9)	BP48-125.mL Plactic NaOH (pN > 12) (CL)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG19-1 liter Amber Unproserved (N/Aj (Ct-)	AG1H-1 liter Amber HCl (pH < 2)	AGSU-250 mL Amber Unpreserved (N/A)-(CI-)	AG15-1 ilter Amber H2504 (pH < 2)	AG\$S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG94-48 ml VDA HCI (N/A)	VG9T-40 mt VOA Ne25203 (N/A)	VG9U-40 mt VOA Unpreserved (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (3 viels per ktt)-5035 kit (N/A)	V/OK (3 vials per ldt)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A tab)	SPZT-250 mL Sterlle Playtic (N/A – lab)		803A-250 ml Plastic (NHZ)2SO4 (9,3-9,7)	AGDU-100 mL Amber Unpreserved vials (N/A)	VSGU-20-mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1	1				1	X	1				1				V									1				
2	7				1	X	1				1													1	1			
3	1				1	X	1	1					1	V	/									1				
4	1	•			1	1	1						V															
5	J				1	N							1		1										N			
6	1					X		1					1											1		•		
7						1/2		1					7		1									1				
8	V					1	7				1		V	1	1													_
9	V				7	N	\bigvee	/					1	1	V									/	1	1		
TO	1				1	M	V	1			1		7	1	7									1	1			
11	1					1	\angle	1			7		V	1	1					_				/	1			
12	1				1	1	1	1			7		1	1	7					ل				7	1			
															Pre					7-	A	unt e	(Oea-	ervati	10		Lot #	
Şa	mple I	D	Туре	of Pr	eserva	tive	pH	upon .	recėlp	it	Date	preser	vation	ulbs r	sted	11		eserv Justed			Amo		dded	di Agri	46		COLM	

		pH Ac	ljustment Log for Pres	erved Samples		
Sample 10	Type of Preservative		Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold , incorrect preservative, out of temp, incorrect containers.



Document Name: Sample Condition Upon Receipt (SCUR)

Document No.: F-CAR-CS-033-Rev.08

· Project#

Document Revised: November 15, 2021

Page 2 of 2 fssuing Authority: Pace Carolinas Quality Office

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exeptions: VOA, Collform, TOE, Oll and Grease, DRO/8015 (water) DOC, LLHg **Bottom half of box is to list number of bottles

MO# - 32.50

PM: TIH

Due Date: 03/01/22

CLIENT: 97-SanteeCoo

Tremst	8P4U-125 mt. Riastic Unpregerved (N/A) (CI-)	BP3U-250 mL Plastic Unpreserved (N/A)	8P2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	8P45-125 mL Plastic HZSO4 (pH < 2) (6I-)	8P3N-250 mL plastic HN93 (pH < 2)	BP42-125 mt Plastic 2N Acetate & NaGH (>9)	BP48-125.mL Plandc NaOH (pM > 12) (CL-)	WGFU-Wide-mouthed Glass far Unpreserved	AG19-1 liter Amber Unpreserved (N/A) (CI-)	AG1H-1 liter Amber HCI (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A)-(CI-)	AG15-1 liter Amber H2504 (pH < 2)	AG\$5-250 mL Amber H2SO4 (pH < 2)	AG3A[DG3A]-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-46 mL VOA HCI (N/A)	VG9T-40 mt VOA N825203 (N/A)	VG9U-40 mt VQA Unpreserved (N/A)	DG98-40 mL VOA H3PO4 (N/A)	VOAK (3 vials per kft)-5035 kit (N/A)	V/GK (3 vials per kit)~VPH/Gas kit (N/A)	SP5T-125 mt Sterile Plastic (N/A - iab)	SRZT-ZSO mL Sterile Plastic (N/A - lab)		BP3A-250 mL Plastic (NH2)2504 (9,3-9,7)	AG0U-100 mL Amber Unpreserved vials (N,A)	VSGIJ-20-mL.Scintillation vials (N/A)	069U-40 mt Amber Unpreserved visis (N/A)
1					1	X	1				/			/	1													2
2	1				1	1	1							1										1				
3	1				1	14							V		1									/				
4	1				1	1							V		1									/	/	•		
5	1				1	N		1					V	V	V													
6	1					1/2		V			1		V	V	V													
7	1					13	V	1			V		1		7										1			7.2.
8	7					V	V	1			V		V												V			
9	1				1	V	V	1			V		V	V	1													4.4
10	1				V	V	V	V			1		1	1	V													
11	1				1		V	V			1		1		V									1	1			
12		1				1	1	V			/		V	/	1									/				

		pH Ac	justment Log for Pres	erved Samples		
Sample 10	Type of Preservative	bH nkou tecejbţ	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #
70.				/		
				,		

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Cartification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Chain of Custody

santee cooper

5antes Cooper One Rivetwood Driva Moneks Comer, 3C 29461 Fhone: (843)761-8000 Ext. 8148 Fax: (843)761-4175

Customer Ema	li/Report Recipient:	Date P	Results Needed by: Project/Task/Unit #:								Rerun reques	t for any	flagged QC
LCWILLIA	@santeecooper.com		<u> </u>	/		121	567	J JM	02.0	1.601 / 36	,5∝ Yes	No	
												Ana	vsls Group
Labworks ID # (Internal use only)	Sample Location/ Description	Collection, Date	Collection Time	Sample Collector	Total It of containers	Bottle type (Slass- GFBlastle-FT	Grabal (S) or Composite (C)	profile	Preservative (see	ct Method # Reporting Misc. sam Any other i	le info	ŧ.	
AF-24763	CAP-3	2/1/22	1602	BEL	1	·P	6	GW	2	METHOD 7470	,	X	001
7 - 61	CAP-I	1	প্রভা	Ţ	1		1	1	1	·			ar
AF-24768	CAP-8	2/8/22	1153								•		023
) 69	CAP-9		(808)										le 4
70	CAP-9 DUP		1308										95
11	CAP-IO	<u> </u>	1405		Į.		ı.						026
AF24779	CCMLF-2	2/8/22	1604	1									ge 7
AF 24 781	comp-2	2/9/22	1886										028
82.	comate 3		(125		Ш						3		Qe P
1 86	CCMAP-6	1	1017	1	Ī	1		<u>}</u> .	7				910
A Relinquuled by	MIEUWANY PARAMANA	Stimesala	aviezit	a By		playe	数离	器通常	CAGE A	Samp	ole Receiving (Internal to IP (C): 14.3	ise Only) Initial:	ont !
AMoroun Ar Hellhquarea by	35594 2/14/22 Shippiyase Popus	1500	Mind	her	Par	LAVI IIIIVA	2	15 T	ル	MS Corr	ect pH: Zés No ervative Lot#:		
Relinguished by	STREET, L'OPIE	164	Receive					DH			/Time/init for preserva		
O Ag O C			MIS DRIEN DRIEN THMFHA VOC OIL & Gre THL COIL JTSGI (Sol) DRIE DISSOVER DISSOVER DISSOVER DRIE DRIE	ie A ase iform		Marian Ma Marian Marian Marian Marian Marian Marian Marian Marian Marian Marian Marian Marian Marian Marian Marian Marian Marian Marian Ma Marian Ma Ma Ma Ma Ma Ma Ma Ma Ma Ma Ma Ma Ma			(2)4) (2)4) (4)7 (4)7 (4)8	Cityal Jillion Co Low Set mestics Low Set mestics 19 Cityal 19 Citya 10	The Sold of So	V	

Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler water, L-limestone, Oil-oil, S-Soll, SL-solld, C-coal, G-gypsum, FA-flyash, BA-bottom ash, M-misc (describe in comment section)

Preservative code- 1-4°C 2-HNO₃ 3-H₂SO₄ 4-HCl 5-Na₂S₂O₂ 6-Other (Specify)

Chain of Custody

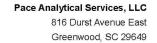
santee cooper

Santee Cooper One Rivervand Drive Monets Corner, 8C 29461 Phone: (843)761-8000 Bat, 5148 Fax: (843)761-4175

Customer Emai	I/Report Recipient:	Date R	tesults N	eeded b	y:	Ì	Pi	roject/	Task/	Unit #:	Rerun re	quest	for any fla	gged QC
LCWILLIA	@santeecooper.com		<u> </u>			1/21	567	/ JM	02.0	9.601	36500	Yes	No	
					* .			1		*1	***		Analys	s Group
Labworks ID # (Internal use only)	Sample Location/ Description	Collection Date	Collection Time	Sample Collector	Total B of containers	Bottle type: (Class 6/Plastic-P)	Grafs (G) or Composite (C)	Matria(see below)	Preservative (see	 Method # 	plihit ople info		支	
AF24787	CCMAP-7	2/9/22	1235	BSB	1	P	G	G₩	2.	METHOD 747	0		х	.0
AF24180	comp-1	2/10/22	গ্ৰহ			İ					,			01
177	CCALF-10 (1	1142											00
78	CCMLF - (D		1245											Q _l
83	comp-4		14-28			Ш	, .							01
84	CCMAP-4 DUP		1482			Ш								0
85	CEMAP-5	1	1540	1	7	1	1	1	1	e f			L	a
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Relinguished by P Relinguished by		24 14 1	Mucho Hacely		war		2.	IS·Z	2	III 5 Co	nple Receiving (Int MP (°C): 14. rrect pH: (Cs starvative Los#;	3 In	altiāl: <u>~</u>	<u>. </u>
Relinguished by	Editories Offe) Teme (i Réceive	a by		PAYE		Date			e/Time/Init for pr	eservat	vei	
DAR CCC DAR CCCC DAR CCCCC DAR CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC			MIS DIFFEX Miphale THIM HA VOC OIL & Gre L. Coll J. Total C	ie A sase iform			r J. S. V. S. S.	An Al	ont ion ion	is Wistoniae 1974) 1984) 1994) 1995) 1994) 1994) 1994)	I Li Augus - Accessora - Section - Sectio		V	

Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler water, L-limestone, Oll-oll, S-Soil, SL-solid, ... C-coal, G-gypsum, FA-flyash, BA-bottom ash, M-misc (describe in comment section)

Preservative code- 1—<4°C 2=HNO₃ 3=H₂SO₄ 4-HCl 5=Na₂S₂O₃ 6-Other (Specify)



(864)229-4413



March 10, 2022

Sherri Brown
Santee Cooper
1 Riverwood Drive
Moncks Corner, SC 29461

RE: Project: 121567/JM02.09.G01 Pace Project No.: 92587561

Dear Sherri Brown:

Enclosed are the analytical results for sample(s) received by the laboratory on February 10, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services Asheville
- Pace Analytical Services Peachtree Corners, GA

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tyriek Hooks tyriek.hooks@pacelabs.com

Tyrick Hooks

(704)875-9092 Project Manager

Enclosures

cc: Jeanette Gilmeti, Santee Cooper Jeanette Gilmetti, Santee Cooper Courtney Ames Watkins, Santee Cooper Linda Williams, Santee Cooper







CERTIFICATIONS

Project:

121567/JM02.09.G01

Pace Project No.:

92587561

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804 Florida/NELAP Certification #: E87648

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030

South Carolina Certification #: 99030001 Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001



SAMPLE ANALYTE COUNT

Project:

121567/JM02.09.G01

Pace Project No.: 92587561

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92587561001	AF24788	EPA 6010D	KH	1	PASI-GA
		EPA 7470A	DBB1	1	PASI-A
92587561002	AF24789	EPA 6010D	KH	1	PASI-GA
		EPA 7470A	DBB1	1	PASI-A
92587561003	AF24790	EPA 6010D	KH	1	PASI-GA
		EPA 7470A	DBB1	1	PASI-A
92587561004	AF24791	EPA 6010D	KH	1	PASI-GA
		EPA 7470A	DBB1	1	PASI-A
2587561005	AF24792	EPA 6010D	KH	1	PASI-GA
		EPA 7470A	DBB1	1	PASI-A
2587561006	AF24793	EPA 6010D	KH	1	PASI-GA
		EPA 7470A	DBB1	1	PASI-A
2587561007	AF24808	EPA 6010D	KH	1	PASI-GA
		EPA 7470A	DBB1	1	PASI-A
2587561008	AF24764	EPA 6010D	KH	1	PASI-GA
		EPA 7470A	DBB1	1	PASI-A
2587561009	AF24765	EPA 6010D	KH	1	PASI-GA
		EPA 7470A	DBB1	1	PASI-A
2587561010	AF24766	EPA 6010D	KH	1	PASI-GA
		EPA 7470A	DBB1	1	PASI-A
92587561011	AF24767	EPA 6010D	КН	1	PASI-GA
		EPA 7470A	DBB1	1	PASI-A

PASI-A = Pace Analytical Services - Asheville

PASI-GA = Pace Analytical Services - Peachtree Corners, GA



Project: 121567/JM02.09.G01

Pace Project No.: 92587561

Sample: AF24788	Lab ID: 925	87561001	Collected: 01/31/2	22 11:50	Received: 02	/10/22 11:15 N	latrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual			
6010D ATL ICP	590 ¹⁵⁰ 0 390 80		10D Preparation Me Peachtree Corners,		PA 3010A						
Boron	10.3	mg/L	0.040	1	02/22/22 07:59	02/23/22 14:03	7440-42-8				
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville									
Mercury	ND	ug/L	0.20	1	02/28/22 17:00	03/01/22 13:36	7439-97-6	H1			



Project: 121567/JM02.09.G01

Pace Project No.: 92587561

Sample: AF24789	Lab ID: 925	87561002	Collected: 01/31/2	22 12:42	Received: 02	/10/22 11:15 N	∕latrix: Water					
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual				
6010D ATL ICP	and the second		0D Preparation Me Peachtree Corners,		PA 3010A							
Boron	0.96	mg/L	0.040	1	02/22/22 07:59	02/23/22 01:41	7440-42-8					
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville										
Mercury	ND	ug/L	0.20	1	02/28/22 17:00	03/01/22 13:38	7439-97-6	H1				



Project: 121567/JM02.09.G01

Pace Project No.: 92587561

Sample: AF24790	Lab ID: 925	87561003	Collected: 01/31/2	22 12:47	Received: 02	/10/22 11:15 N	/latrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual		
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Boron	0.92	mg/L	0.040	1	02/22/22 07:59	02/23/22 01:46	7440-42-8			
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville									
Mercury	ND	ug/L	0.20	1	02/28/22 17:00	03/01/22 13:41	7439-97-6	H1		



Project: 121567/JM02.09.G01

Pace Project No.: 92587561

Sample: AF24791	Lab ID: 925	37561004	Collected: 01/31/2	22 14:21	Received: 02	2/10/22 11:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual		
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Boron	19.1	mg/L	0.040	1	02/22/22 07:59	02/23/22 14:18	7440-42-8			
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville									
Mercury	ND	ug/L	0.20	1	02/28/22 17:00	03/01/22 13:43	7439-97-6	H1		



Project: 121567/JM02.09.G01

Pace Project No.: 92587561

Sample: AF24792	Lab ID: 925	37561005	Collected: 01/31/2	22 15:17	Received: 02	2/10/22 11:15 I	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual		
6010D ATL ICP	990 ¹⁵⁵⁰ 0 1990 14		0D Preparation Me		PA 3010A					
Boron	6.8	mg/L	0.040	1	02/22/22 07:59	02/23/22 14:23	7440-42-8			
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville									
Mercury	ND	ug/L	0.20	1	02/28/22 17:00	03/01/22 13:46	7439-97-6	H1		



Project: 121567/JM02.09.G01

Pace Project No.: 92587561

Sample: AF24793	Lab ID: 925	87561006	Collected: 01/31/2	22 16:27	Received: 02	/10/22 11:15 I	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual		
6010D ATL ICP	990 ¹⁵⁵⁰ 0 1990 14		0D Preparation Me		PA 3010A					
Boron	6.2	mg/L	0.040	1	02/22/22 07:59	02/23/22 14:27	7440-42-8			
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville									
Mercury	ND	ug/L	0.20	1	02/28/22 17:00	03/01/22 13:48	7439-97-6	H1		



Project: 121567/JM02.09.G01

Pace Project No.: 92587561

Sample: AF24808	Lab ID: 925	87561007	Collected: 01/31/2	22 10:29	Received: 02	/10/22 11:15 N	/latrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	and the second		0D Preparation Me Peachtree Corners,		PA 3010A			
Boron	11.7	mg/L	0.040	1	02/22/22 07:59	02/23/22 14:32	7440-42-8	
7470 Mercury	Analytical Metl Pace Analytica		0A Preparation Me Asheville	ethod: EF	PA 7470A			
Mercury	ND	ug/L	0.20	1	02/28/22 17:00	03/01/22 13:51	7439-97-6	H1



Project: 121567/JM02.09.G01

Pace Project No.: 92587561

Sample: AF24764	Lab ID: 925	87561008	Collected: 02/03/2	22 10:38	Received: 02	/10/22 11:15 N	/latrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	200 ¹⁵⁰ 0 300 10		0D Preparation Me Peachtree Corners,		PA 3010A			
Boron	ND	mg/L	0.040	1	02/22/22 07:59	02/23/22 02:20	7440-42-8	
7470 Mercury	Analytical Met Pace Analytica		0A Preparation Me Asheville	ethod: El	PA 7470A			
Mercury	ND	ug/L	0.20	1	02/28/22 17:00	03/01/22 14:02	7439-97-6	



Project: 121567/JM02.09.G01

Pace Project No.: 92587561

Sample: AF24765	Lab ID: 925	87561009	Collected: 02/03/2	22 12:10	Received: 02	/10/22 11:15 N	/latrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	500 ¹⁵³⁸ 0 300 30		0D Preparation Me		PA 3010A			
Boron	ND	mg/L	0.040	1	02/22/22 07:59	02/23/22 02:25	7440-42-8	
7470 Mercury	Analytical Met Pace Analytic		0A Preparation Me Asheville	ethod: EF	PA 7470A			
Mercury	ND	ug/L	0.20	1	02/28/22 17:00	03/01/22 14:04	7439-97-6	



Project: 121567/JM02.09.G01

Pace Project No.: 92587561

Sample: AF24766	Lab ID: 925	37561010	Collected: 02/03/2	22 12:10	Received: 02	2/10/22 11:15	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	990 ¹⁵⁵⁰ 0 1990 14		0D Preparation Me		PA 3010A			
Boron	4.0	mg/L	0.040	1	02/22/22 07:59	02/23/22 14:37	7440-42-8	
7470 Mercury	Analytical Meth Pace Analytica		0A Preparation Me Asheville	ethod: EF	PA 7470A			
Mercury	ND	ug/L	0.20	1	02/28/22 17:00	03/01/22 14:07	7439-97-6	



Project: 121567/JM02.09.G01

Pace Project No.: 92587561

Sample: AF24767	Lab ID: 925	87561011	Collected: 02/03/2	22 14:30	Received: 02	/10/22 11:15	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	4019 1550 1550 14		0D Preparation Me Peachtree Corners,		PA 3010A			
Boron	31.2	mg/L	0.040	1	02/22/22 07:59	02/23/22 14:42	7440-42-8	
7470 Mercury	Analytical Meth Pace Analytica		0A Preparation Me sheville	ethod: El	PA 7470A			
Mercury	ND	ug/L	0.20	1	02/28/22 17:00	03/01/22 14:09	7439-97-6	

RPD

Qual



QUALITY CONTROL DATA

Project: 121567/JM02.09.G01

Pace Project No.: 92587561

Boron

Date: 03/10/2022 07:40 PM

QC Batch: 679913 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A Analysis Description: 6010D ATL

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92587561001, 92587561002, 92587561003, 92587561004, 92587561005, 92587561006, 92587561007,

92587561008, 92587561009, 92587561010, 92587561011

METHOD BLANK: 3557339 Matrix: Water

Associated Lab Samples: 92587561001, 92587561002, 92587561003, 92587561004, 92587561005, 92587561006, 92587561007,

92587561008, 92587561009, 92587561010, 92587561011

Blank Reporting

 Parameter
 Units
 Result
 Limit
 Analyzed
 Qualifiers

 mg/L
 ND
 0.040
 02/23/22 01:12
 O2/23/22 01:12

LABORATORY CONTROL SAMPLE: 3557340

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers 91 Boron mg/L 0.91 80-120

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3557341 3557342

MS MSD

92587561001 Spike Spike MS MSD MS MSD % Rec Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits

Boron mg/L 10.3 1 1 11.5 11.5 120 118 75-125 0

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



QUALITY CONTROL DATA

Project: 121567/JM02.09.G01

Pace Project No.: 92587561

Date: 03/10/2022 07:40 PM

QC Batch: 681014 Analysis Method: EPA 7470A

QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92587561001, 92587561002, 92587561003, 92587561004, 92587561005, 92587561006, 92587561007,

92587561008, 92587561009, 92587561010, 92587561011

METHOD BLANK: 3562854 Matrix: Water

Associated Lab Samples: 92587561001, 92587561002, 92587561003, 92587561004, 92587561005, 92587561006, 92587561007,

92587561008, 92587561009, 92587561010, 92587561011

Blank Reporting

 Parameter
 Units
 Result
 Limit
 Analyzed
 Qualifiers

 Mercury
 ug/L
 ND
 0.20
 03/01/22 12:52

LABORATORY CONTROL SAMPLE: 3562855

Spike LCS LCS % Rec Qualifiers Parameter Units Conc. Result % Rec Limits 2.4 97 Mercury ug/L 2.5 80-120

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3562857 3562856 MS MSD 92587553001 Spike Spike MS MSD MS MSD % Rec **RPD** Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits Qual ND 2.5 2.5 2.5 2.5 75-125 1 Mercury ug/L 99 100

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



QUALIFIERS

Project: 121567/JM02.09.G01

Pace Project No.: 92587561

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

Date: 03/10/2022 07:40 PM

H1 Analysis conducted outside the EPA method holding time.

REPORT OF LABORATORY ANALYSIS



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 121567/JM02.09.G01

Pace Project No.: 92587561

Date: 03/10/2022 07:40 PM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92587561001	AF24788	EPA 3010A	679913	EPA 6010D	680050
92587561002	AF24789	EPA 3010A	679913	EPA 6010D	680050
92587561003	AF24790	EPA 3010A	679913	EPA 6010D	680050
92587561004	AF24791	EPA 3010A	679913	EPA 6010D	680050
92587561005	AF24792	EPA 3010A	679913	EPA 6010D	680050
92587561006	AF24793	EPA 3010A	679913	EPA 6010D	680050
92587561007	AF24808	EPA 3010A	679913	EPA 6010D	680050
92587561008	AF24764	EPA 3010A	679913	EPA 6010D	680050
92587561009	AF24765	EPA 3010A	679913	EPA 6010D	680050
92587561010	AF24766	EPA 3010A	679913	EPA 6010D	680050
92587561011	AF24767	EPA 3010A	679913	EPA 6010D	680050
92587561001	AF24788	EPA 7470A	681014	EPA 7470A	681548
92587561002	AF24789	EPA 7470A	681014	EPA 7470A	681548
92587561003	AF24790	EPA 7470A	681014	EPA 7470A	681548
92587561004	AF24791	EPA 7470A	681014	EPA 7470A	681548
92587561005	AF24792	EPA 7470A	681014	EPA 7470A	681548
92587561006	AF24793	EPA 7470A	681014	EPA 7470A	681548
92587561007	AF24808	EPA 7470A	681014	EPA 7470A	681548
92587561008	AF24764	EPA 7470A	681014	EPA 7470A	681548
92587561009	AF24765	EPA 7470A	681014	EPA 7470A	681548
92587561010	AF24766	EPA 7470A	681014	EPA 7470A	681548
92587561011	AF24767	EPA 7470A	681014	EPA 7470A	681548

REPORT OF LABORATORY ANALYSIS

Pace Analytical

Document Name: Sample Condition Upon Receipt (SCUR) Document No: F-CAR-CS-033-Rev.08

Document Revised: November 15, 2021
Page 1 of 2
Issuing Authority:
Page Carolinas Quality Office

Sample Condition	Client Name:					110# . 02E07E61
Upon Receipt	Santee	Cooper			Proje	««WO#: 92587561
ourler:	X Fed Ex	UPS USP	s ·	П	lient	COMPANY OF THE STATE OF THE STA
Commercial	Pace	□ath				
tody Seal Present?	Tres Kind	Seals Intact?	Yes	XIN	,	92587561
,				N.		Date/Initials Person Examining Contents: 2-10-22 A
king Material:	Bubble Wrap.	Bubble Bags	Nor	ne 🔲 (Jther	filological Tissue Frozen?
rmometer:	NA		E]Wet.	Blue	Yes No Min/A
(Z) Weddiller	Cavract	Type of I				
ler Temp:	NA Add/Si	ubtract (°C) WA	ļ	_		Temp should be above freezing to 6°C
ler Temp Corrected		NA				Samples out of temp criteria. Samples on ice, cooling process has begun.
A Regulated Soll (🔀	N/A, water sample)	n the United States: CA	NV nr	E leheck ox	insl?	Old samples originate from a foreign source (internationally,
Yes XNo	,			, Jenesh III		Including Hawaii and Puerto Rico)? Yes No
	- Warranton and A	-	-,		-	Comments/Discrepancy:
Chain of Custody Pre	sent?		□No	□n/a	1.	
Samples Arrived with	In Hold Time?	Yes	. No	□N/A	2,	
Short Hold Time Ana	lysis (<72 hr.)?	□Yes	No	□N/A	3.	
Rush Turn Around Th	mé Requested?	∐Ÿes	X No	DN/A	4.	
Sufficient Volume?	1	Yes	□No	□N/A	5,.	
Correct Containers Us		XIYes: XIYes:	□No	□N/A	'6.	
	(And I	X Yes:	∏No.	.□N/A .	5	· · · · · · · · · · · · · · · · · · ·
Containers intact? Dissolved analysis: Sa	mnles Field Elltorod?	XIYes: □Yes	□No □No	□N/A. ØN/A	7.	· · · · · · · · · · · · · · · · · · ·
Sample Labels Match		¥∏Yes	.□No	DNY	9,	
	ion of a	ميل ا		80.22		
	ne/ID/Analysis Matri	EAST TO SERVICE STATE OF THE S				
Heads pace in VOA Via Trip Blank Present?	als (>5-6mm)?	☐Yes ☐Yes	□No.	XIN/A	10.	
Trip Blank Custody Se.	als Present?	□Yes	□No	Dan/A		
MMENTS/SAMPLE DIS		The state of the s		A	***************************************	Field Data Required? ☐Yes ☐No
			~~	•		
NT NOTIFICATION/RES	OLUTION				Lo	t ID of split containers:
	.,		*			
rson contacted:				Date/Ti	ne! _	
roject Manager.SCU	RF Review:					Date:
	NO. 2004-00-00-00-00-00-00-00-00-00-00-00-00-		-			



Document Name: Sample Condition Upon Receipt (SCUR)

Document No.: F-CAR-CS-033-Rev.08 Document Revised: November 15, 2021 Page 2 of 2

Issuing Authority: Pace Carolinas Quality Office

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation.samples.

Exceptions: VOA, Collform, TOC, Oll and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

Project # W0#: 92587561

PM: TIH

Due Date: 02/24/22

CLIENT: 97-SanteeCoo

	BP4U-125 ml Plastic Unpreserved (N/A) (CI-)	BP3U-250 ml. Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP45-125 mL Plastic H2SQ4 (pH < 2) (CI-)	BP3N-250 mt plastic HNO3 (pH < 2)	8P4Z-125 m. Plastic ZN Acetate & NaOH (>9)	BP48-125.mL Plastic NaOH (pH > 12) (CI-)	WGFU-Wide-mouthed Glass par Unpreserved	AGID-1 liter Amber Unpreserved (N/A) (Ct.)	AGIH-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (CI-)	AG15.1 ker Amber H2504 (pH < 2)	AG35-250 mt. Amber H2504 (pH < 2)	AGSAIDGSAL-250 ml Amber NHACI (N/A)(CI-)	DG984-40 meVDA HCI (N/A)	VG9T-40 mt VOA Na25203 (N/A)	VGSU-40 mil VDA Unpreserved (N/A)	DG9P-40 mLVOA H3PO4 (N/A)	VOAK (3 vials per kit)-5035 kit (N/A)	V/GK (3 vtalsper idt)-VPH/Gas kit (N/A)	SP5T-125 mt. Sterile Plastic (N/A - lab)	SPZT-Z50 mL Sterile Plastic (N/A - lab)		BP3A-250 mL Plastic (NH2)25034 (9 3-9.7)	AGQL-100 ml Amber Unpreserved vials (N/b)	VSGU-20 mL.Schrüllardon Vfals (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1	1				1	X				!			1	1										1				
2					1	Y	1						1	1										1		•		
3	1				1	X	/	1			1		/	1										/				
4						X	1							1														
S					1	X	1	/			/				/									1	/			3
6		1		4	V	Y	1							1	1		1								1			
7						X		1			/		1	1	1									/	/			
8	1					X	1	1					1	1	1									1	1			77.
9.	1				1	K	1	1			1			1	1								I	1	1			
10	1				1	X	1	1			1		1	1	1									1	1			
11	1				1	K		1	i		1		1	7	1								:	1	1		- Kjur	
12	1				1						1		7	1	1									1	1			

		pH Ac	Justment Log for Pres	erved Samples		
Sample ID	Type of Preservative	bH nbou tecelbt	Date preservation adjusted	Time preservation: adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Cartification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Chain of Custody

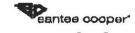


Santoe Cooper One Riverwood Drive Moneta Comer, 80 29461 Phone: (843)761-8000 Ext. 5148 Fax: (843)761-4175

	Customer Emai	/Report Recipient:	Date R	esults No	eded b	y:		Pr	oject/	Task/	Unit #:	Rerun request	for ar	ıy fia	gged	i QC
	LCWILLIA	@santeecooper.com					1215	567	/ JM	02.0	1.601 J 3650	Yes	No			
(9258751	01		× , ×.				٠.			i y na sin		A	nalys!	Gro	en.
	Latiworks ID # (Internol use only)	Sample Location/ Description	Collection Bare	Collection		100		D) quadring	Maintenance of the second		Correie Metliod # Reporting liftit Misc, sample infi Any other notes	villing.	æ	,1	Mo	五
100	AF24788	CEYP-1	1/91/22	1150	BIT 858	1	P	G.	GW	2		<u> </u>	X	Х	X	X
002	AF24789	CGYP-2		1242			1.				i i		Х	X	አ	×
002	AF24.790	CGYP-2 DUP		1247									Х	λ	X	×
11	AF24 791	CGYP-3		1421									Х	х	Х	X
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Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-weste water, BW-boller water, L-limestone, Olf-oil, S-Soll, SL-solld, C-coal, G-gypsum, FA-flyash, BA-bottom ash, M-misc (describe in comment section)
Preservative code: 1=<4°C 2=HNO; 3=HxSO₁ 4-HCl 5=NkxSrO₂ 6-Other (Specify)

Chain of Custody



Santia Copper One Riverwood Drive Monoke Corner, SC 29461 Phone; (843)761-8000 Ext. 3417 Fax: (843)761-4173

	Customer Emai	/Report Recipient:	Date Re	sults Needed by	ŗ:		Pr	oject/	Task/I	Unit #:	Rerun request	for any	flagged QC
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Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boller water, L-limestone, Oll-oil, S-Soil, SL-solid, C-coal, G-gypsum, FA-fiyash, BA-bottom ash, M-misc (describe in comment section)
Preservative code- 1=<4°C 2-HNO; 3-H₂SO₄ 4-HCl 5=Na³SO₂ 6-Other (Specify)





Laboratory Services

Laboratory Report

Santee Cooper Client

Linda Williams 1 Riverwood Dr.

Moncks Corner, SC 29461

Project:

Work Order:

Ground Water

22H0490

Received: 08/05/2022 11:00

Dear Client:

Rogers and Callcott appreciates the opportunity to be of service to you. The attached laboratory services report includes analytical results and chain of custody for samples that were received on August 05, 2022. Rogers and Callcott maintains a formal QA/QC program. Unless otherwise noted, all analyses performed under NELAP certification have complied with all the requirements for the TNI standard. The analyses met the QA/QC confidence interval for each test method unless otherwise qualified. Estimated uncertainty is available upon request.

Privileged / Confidential information may be contained in this report and is intended only for the use of the addressee. If you are not the addressee, or the person responsible for delivering to the person addressed, you may not copy or deliver this message to anyone else. If you receive this message by mistake, please notify Rogers and Callcott immediately.

We strive to provide excellent service to our clients. Please contact Elisabeth Noblet, your Project Manager, at enoblet@rcenviro.com, (864)-232-1556 if you have any questions about this report.

Report Approved By:

Elisabeth Noblet

Elisabeth Noblet

Project Manager





Certificate of Analysis

Client Santee Cooper

Linda Williams 1 Riverwood Dr.

Moncks Corner, SC 29461

South Carolina Greenville Laboratory Identification 23105 South Carolina Columbia Laboratory Identification 40572 North Carolina Laboratory Certification Number 27 North Carolina Drinking Water Lab Number 45710 NELAP Utah Certificate Number SC000042014-1 Georgia Drinking Water Lab ID 880

Project: Ground Water
Work Order: 22H0490

Received: 08/05/2022 11:00

Sample Number	Sample Description	Matrix	Sampled	Type
22H0490-01	AF36903 POZ-4	Ground Water	06/28/22 11:35	Grab
22H0490-02	AF36905 POZ-6	Ground Water	06/28/22 13:22	Grab
22H0490-03	AF36906 POZ-7	Ground Water	06/28/22 14:41	Grab
22H0490-04	AF36907 POZ-7 Dup	Ground Water	06/28/22 14:46	Grab
22H0490-05	AF36894 CLFIB-1	Ground Water	06/27/22 09:26	Grab
22H0490-06	AF36895 CLFIB-1 DUP	Ground Water	06/27/22 09:31	Grab
22H0490-07	AF36896 CLFIB-2	Ground Water	06/27/22 10:55	Grab
22H0490-08	AF36897 CLFIB-3	Ground Water	06/27/22 11:44	Grab
22H0490-09	AF36898 CLFIB-4	Ground Water	06/27/22 12:53	Grab
22H0490-10	AF36899 CLFIB-5	Ground Water	06/27/22 13:48	Grab
22H0490-11	AF36900 CLFIB-5D	Ground Water	06/27/22 14:47	Grab
22H0490-12	AF36902 POZ-3	Ground Water	06/27/22 15:46	Grab
22H0490-13	AF36904 POZ-5D	Ground Water	06/28/22 10:03	Grab
22H0490-14	AF36886 CCMLF-1D	Ground Water	06/29/22 10:33	Grab
22H0490-15	AF36887 CCMLF-2	Ground Water	06/29/22 11:40	Grab
22H0490-16	AF36877 CCMAP-1	Ground Water	06/29/22 13:10	Grab
22H0490-17	AF36883 CCMAP-6	Ground Water	06/29/22 14:08	Grab
22H0490-18	AF36879 CCMAP-3	Ground Water	06/30/22 09:30	Grab
22H0490-19	AF36878 CCMAP-2	Ground Water	06/30/22 10:33	Grab
22H0490-20	AF36884 CCMAP-7	Ground Water	06/30/22 11:29	Grab
22H0490-21	AF36880 CCMAP-4	Ground Water	06/30/22 12:40	Grab
22H0490-22	AF36881 CCMAP-4 DUP	Ground Water	06/30/22 12:45	Grab
22H0490-23	AF36882 CCMAP-5	Ground Water	06/30/22 14:06	Grab
22H0490-24	AF36876 CBW-1	Ground Water	06/20/22 14:16	Grab
22H0490-25	AF36901 PM-1	Ground Water	06/20/22 15:31	Grab
22H0490-26	AF36888 CGYP-1	Ground Water	06/21/22 10:04	Grab
22H0490-27	AF36889 CGYP-2	Ground Water	06/21/22 11:09	Grab

PO Box 5655 | Greenville, SC 29606 | 426 Fairforest Way | Greenville, SC 29607 | main 864.232.1556 | fax 864.232.6140 rogersandcallcott.com

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Sample Number	Sample Description	Matrix	Sampled	Туре
22H0490-28	AF36890 CGYP-2 DUP	Ground Water	06/21/22 11:14	Grab
22H0490-29	AF36891 CGYP-3	Ground Water	06/21/22 12:31	Grab
22H0490-30	AF36892 CGYP-4	Ground Water	06/21/22 13:23	Grab
22H0490-31	AF36893 CGYP-6	Ground Water	06/21/22 14:23	Grab
22Н0490-32	AF36908 POZ-8	Ground Water	06/28/22 10:50	Grab
22H0490-33	AF36885 CCMLF-1	Ground Water	06/29/22 09:30	Grab
22H0490-34	AF36873 CAP-12	Ground Water	06/21/22 15:18	Grab
22H0490-35	AF36875 CAP-14	Ground Water	06/22/22 09:39	Grab
22H0490-36	AF36872 CAP-11	Ground Water	06/22/22 13:57	Grab
22H0490-37	AF36862 CAP-2	Ground Water	06/22/22 12:02	Grab
22H0490-38	AF36874 CAP-13	Ground Water	06/22/22 10:27	Grab
22H0490-39	AF36861 CAP-1	Ground Water	06/22/22 12:53	Grab
22H0490-40	AF36871 CAP-10	Ground Water	06/22/22 14:45	Grab
22H0490-41	AF36869 CAP-9	Ground Water	06/22/22 15:40	Grab
22H0490-42	AF36870 CAP-9 DUP	Ground Water	06/22/22 15:45	Grab
22H0490-43	AF36868 CAP-8	Ground Water	06/23/22 10:05	Grab
22H0490-44	AF36867 CAP-7	Ground Water	06/23/22 11:16	Grab
22H0490-45	AF36866 CAP-6	Ground Water	06/23/22 12:15	Grab
22H0490-46	AF36865 CAP-5	Ground Water	06/23/22 13:27	Grab
22H0490-47	AF36864 CAP-4	Ground Water	06/23/22 14:49	Grab
22H0490-48	AF36863 CAP-3	Ground Water	06/23/22 16:08	Grab



Santee Cooper Project: Ground Water
1 Riverwood Dr. Work Order: 22H0490
Moncks Corner, SC 29461 Reported: 08/31/22 17:43

Sample Data

Sample Number

22H0490-01

Sample Description

AF36903 POZ-4 collected on 06/28/22 11:35

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
	ND	0.050	mg/L	1.00	08/09/22 15:15	EPA 6010D		KTH	B2H1367	RC-G
Aluminum	ND ND	0.050	mg/L	1.00	08/09/22 15:15	EPA 6010D		CAL	B2H1367	
Antimony	ND ND	0.030	mg/L	1.00	08/09/22 15:15	EPA 6020B		ЛР ЛР	B2H1391	
Arsenic	0.087	0.003	mg/L	1.00	08/09/22 15:15	EPA 6010D		KTH	В2П1391	
Barium										
Beryllium	0.0007	0.0005	mg/L	1.00	08/10/22 15:59	EPA 6020B		JIP	B2H1391	
Boron	22	15	ug/L	1.00	08/09/22 15:15	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 15:15	EPA 6010D		KTH	B2H1367	RC-G
Calcium	310	5.0	mg/L	100	08/11/22 19:02	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 15:59	EPA 6020B		JIP	B2H1391	RC-G
Cobalt	0.109	0.001	mg/L	1.00	08/10/22 15:59	EPA 6020B		ЛР	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 15:15	EPA 6010D		KTH	B2H1367	RC-G
Iron	0.42	0.050	mg/L	1.00	08/09/22 15:15	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 15:15	EPA 6010D		KTH	B2H1367	RC-G
Lithium	13	10	ug/L	1.00	08/09/22 15:15	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	5.8	0.25	mg/L	5.00	08/11/22 08:48	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 15:15	EPA 6010D		KTH	B2H1367	RC-G
Nickel	0.012	0.010	mg/L	1.00	08/09/22 15:15	EPA 6010D		KTH	B2H1367	RC-G
Potassium	4.9	0.10	mg/L	1.00	08/09/22 15:15	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 15:15	EPA 6010D		CAL	B2H1367	RC-G
Sodium	89	5.0	mg/L	50.0	08/11/22 08:37	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 15:59	EPA 6020B		JIP	B2H1391	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 15:15	EPA 6010D		KTH	B2H1367	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 13:07	EPA 6020B		ЛР	B2H1455	RC-G



22H0490-02 Sample Number

Sample Description AF36905 POZ-6 collected on 06/28/22 13:22

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.068	0.050	mg/L	1.00	08/09/22 15:50	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 15:50	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 16:04	EPA 6020B		ЛР	B2H1391	RC-G
Barium	0.058	0.010	mg/L	1.00	08/09/22 15:50	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/10/22 16:04	EPA 6020B		ЛР	B2H1391	RC-G
Boron	44	15	ug/L	1.00	08/09/22 15:50	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 15:50	EPA 6010D		KTH	B2H1367	RC-G
Calcium	470	25	mg/L	500	08/11/22 19:12	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 16:04	EPA 6020B		ЛР	B2H1391	RC-G
Cobalt	0.004	0.001	mg/L	1.00	08/10/22 16:04	EPA 6020B		JIP	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 15:50	EPA 6010D		KTH	B2H1367	RC-G
Iron	13	0.25	mg/L	5.00	08/11/22 09:08	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 15:50	EPA 6010D		KTH	B2H1367	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 15:50	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	8.8	0.25	mg/L	5.00	08/11/22 09:08	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 15:50	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 15:50	EPA 6010D		KTH	B2H1367	RC-G
Potassium	1.7	0.10	mg/L	1.00	08/11/22 09:18	EPA 6010D	S1	KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 15:50	EPA 6010D		CAL	B2H1367	RC-G
Sodium	69	5.0	mg/L	50.0	08/11/22 08:58	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 16:04	EPA 6020B		ЛР	B2H1391	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 15:50	EPA 6010D		KTH	B2H1367	RC-G
Rebatch Sample Number: 22H0490-02RE	1									
Potassium	1.9	0.10	mg/L	1.00	08/17/22 15:40	EPA 6010D	S 1	KTH	B2H1706	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 13:20	EPA 6020B		ЛР	B2H1455	RC-G



22H0490-03 Sample Number

Sample Description AF36906 POZ-7 collected on 06/28/22 14:41

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.062	0.050	mg/L	1.00	08/09/22 16:11	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 16:11	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 16:09	EPA 6020B		JIP	B2H1391	RC-G
Barium	0.22	0.010	mg/L	1.00	08/09/22 16:11	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/10/22 16:09	EPA 6020B		JIP	B2H1391	RC-G
Boron	ND	15	ug/L	1.00	08/09/22 16:11	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 16:11	EPA 6010D		KTH	B2H1367	RC-G
Calcium	47	2.5	mg/L	50.0	08/11/22 09:46	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 16:09	EPA 6020B		JIP	B2H1391	RC-G
Cobalt	0.001	0.001	mg/L	1.00	08/10/22 16:09	EPA 6020B		JIP	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 16:11	EPA 6010D		KTH	B2H1367	RC-G
Iron	0.23	0.050	mg/L	1.00	08/09/22 16:11	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 16:11	EPA 6010D		KTH	B2H1367	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 16:11	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	2.0	0.050	mg/L	1.00	08/09/22 16:11	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 16:11	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 16:11	EPA 6010D		KTH	B2H1367	RC-G
Potassium	3.3	0.10	mg/L	1.00	08/09/22 16:11	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 16:11	EPA 6010D		CAL	B2H1367	RC-G
Sodium	10	0.50	mg/L	5.00	08/11/22 09:49	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 16:09	EPA 6020B		JIP	B2H1391	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 16:11	EPA 6010D		KTH	B2H1367	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 13:51	EPA 6020B		JIP	B2H1455	RC-G



Santee Cooper Project: Ground Water
1 Riverwood Dr. Work Order: 22H0490
Moncks Corner, SC 29461 Reported: 08/31/22 17:43

Sample Number 22H0490-04

Sample Description AF36907 POZ-7 Dup collected on 06/28/22 14:46

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 16:14	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 16:14	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 16:14	EPA 6020B		JIP	B2H1391	RC-G
Barium	0.23	0.010	mg/L	1.00	08/09/22 16:14	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/10/22 16:14	EPA 6020B		JIP	B2H1391	RC-G
Boron	ND	15	ug/L	1.00	08/09/22 16:14	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 16:14	EPA 6010D		KTH	B2H1367	RC-G
Calcium	51	5.0	mg/L	100	08/11/22 09:56	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 16:14	EPA 6020B		JIP	B2H1391	RC-G
Cobalt	ND	0.001	mg/L	1.00	08/10/22 16:14	EPA 6020B		JIP	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 16:14	EPA 6010D		KTH	B2H1367	RC-G
Iron	0.069	0.050	mg/L	1.00	08/09/22 16:14	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 16:14	EPA 6010D		KTH	B2H1367	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 16:14	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	2.0	0.050	mg/L	1.00	08/09/22 16:14	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 16:14	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 16:14	EPA 6010D		KTH	B2H1367	RC-G
Potassium	3.4	0.10	mg/L	1.00	08/09/22 16:14	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 16:14	EPA 6010D		CAL	B2H1367	RC-G
Sodium	9.8	0.50	mg/L	5.00	08/11/22 10:00	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 16:14	EPA 6020B		JIP	B2H1391	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 16:14	EPA 6010D		KTH	B2H1367	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 13:55	EPA 6020B		ЛР	B2H1455	RC-G



22H0490-05 Sample Number

Sample Description AF36894 CLFIB-1 collected on 06/27/22 09:26

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 16:18	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 16:18	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 14:00	EPA 6020B		ЛР	B2H1391	RC-G
Barium	0.13	0.010	mg/L	1.00	08/09/22 16:18	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/10/22 14:00	EPA 6020B		ЛР	B2H1391	RC-G
Boron	ND	15	ug/L	1.00	08/09/22 16:18	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 16:18	EPA 6010D		KTH	B2H1367	RC-G
Calcium	180	5.0	mg/L	100	08/11/22 10:06	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 14:00	EPA 6020B		JIP	B2H1391	RC-G
Cobalt	0.002	0.001	mg/L	1.00	08/10/22 14:00	EPA 6020B		ЛР	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 16:18	EPA 6010D		KTH	B2H1367	RC-G
Iron	0.13	0.050	mg/L	1.00	08/09/22 16:18	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 16:18	EPA 6010D		KTH	B2H1367	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 16:18	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	3.0	0.050	mg/L	1.00	08/09/22 16:18	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 16:18	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 16:18	EPA 6010D		KTH	B2H1367	RC-G
Potassium	0.85	0.10	mg/L	1.00	08/09/22 16:18	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 16:18	EPA 6010D		CAL	B2H1367	RC-G
Sodium	22	0.50	mg/L	5.00	08/11/22 10:10	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 14:00	EPA 6020B		ЛР	B2H1391	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 16:18	EPA 6010D		KTH	B2H1367	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 14:00	EPA 6020B		JIP	B2H1455	RC-G



22H0490-06 Sample Number

Sample Description AF36895 CLFIB-1 DUP collected on 06/27/22 09:31

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 16:21	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 16:21	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 16:18	EPA 6020B		JIP	B2H1391	RC-G
Barium	0.12	0.010	mg/L	1.00	08/09/22 16:21	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/10/22 16:18	EPA 6020B		JIP	B2H1391	RC-G
Boron	ND	15	ug/L	1.00	08/09/22 16:21	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 16:21	EPA 6010D		KTH	B2H1367	RC-G
Calcium	190	5.0	mg/L	100	08/11/22 10:30	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 16:18	EPA 6020B		JIP	B2H1391	RC-G
Cobalt	0.003	0.001	mg/L	1.00	08/10/22 16:18	EPA 6020B		JIP	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 16:21	EPA 6010D		KTH	B2H1367	RC-G
Iron	ND	0.050	mg/L	1.00	08/09/22 16:21	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 16:21	EPA 6010D		KTH	B2H1367	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 16:21	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	2.9	0.050	mg/L	1.00	08/09/22 16:21	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 16:21	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 16:21	EPA 6010D		KTH	B2H1367	RC-G
Potassium	0.83	0.10	mg/L	1.00	08/09/22 16:21	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 16:21	EPA 6010D		CAL	B2H1367	RC-G
Sodium	21	0.50	mg/L	5.00	08/11/22 10:33	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 16:18	EPA 6020B		JIP	B2H1391	RC-G
Zine	ND	0.010	mg/L	1.00	08/09/22 16:21	EPA 6010D		KTH	B2H1367	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 14:04	EPA 6020B		JIP	B2H1455	RC-G



22H0490-07 Sample Number

Sample Description AF36896 CLFIB-2 collected on 06/27/22 10:55

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 16:25	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 16:25	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 16:23	EPA 6020B		ЛР	B2H1391	RC-G
Barium	0.16	0.010	mg/L	1.00	08/09/22 16:25	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/10/22 16:23	EPA 6020B		ЛР	B2H1391	RC-G
Boron	20	15	ug/L	1.00	08/09/22 16:25	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 16:25	EPA 6010D		KTH	B2H1367	RC-G
Calcium	140	5.0	mg/L	100	08/11/22 10:40	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 16:23	EPA 6020B		JIP	B2H1391	RC-G
Cobalt	0.003	0.001	mg/L	1.00	08/10/22 16:23	EPA 6020B		ЛР	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 16:25	EPA 6010D		KTH	B2H1367	RC-G
Iron	0.28	0.050	mg/L	1.00	08/09/22 16:25	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 16:25	EPA 6010D		KTH	B2H1367	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 16:25	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	2.1	0.050	mg/L	1.00	08/09/22 16:25	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 16:25	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 16:25	EPA 6010D		KTH	B2H1367	RC-G
Potassium	0.43	0.10	mg/L	1.00	08/09/22 16:25	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 16:25	EPA 6010D		CAL	B2H1367	RC-G
Sodium	9.2	0.50	mg/L	5.00	08/11/22 10:44	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 16:23	EPA 6020B		JIP	B2H1391	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 16:25	EPA 6010D		KTH	B2H1367	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 14:09	EPA 6020B		JIP	B2H1455	RC-G



22H0490-08 Sample Number

Sample Description AF36897 CLFIB-3 collected on 06/27/22 11:44

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 16:28	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 16:28	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 14:13	EPA 6020B		ЛР	B2H1391	RC-G
Barium	0.076	0.010	mg/L	1.00	08/09/22 16:28	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/10/22 14:13	EPA 6020B		ЛР	B2H1391	RC-G
Boron	120	15	ug/L	1.00	08/09/22 16:28	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 16:28	EPA 6010D		KTH	B2H1367	RC-G
Calcium	230	25	mg/L	500	08/11/22 10:50	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 14:13	EPA 6020B		JIP	B2H1391	RC-G
Cobalt	0.008	0.001	mg/L	1.00	08/10/22 14:13	EPA 6020B		ЛР	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 16:28	EPA 6010D		KTH	B2H1367	RC-G
Iron	4.0	0.050	mg/L	1.00	08/09/22 16:28	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 16:28	EPA 6010D		KTH	B2H1367	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 16:28	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	8.2	0.25	mg/L	5.00	08/11/22 10:54	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 16:28	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 16:28	EPA 6010D		KTH	B2H1367	RC-G
Potassium	1.3	0.10	mg/L	1.00	08/09/22 16:28	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 16:28	EPA 6010D		CAL	B2H1367	RC-G
Sodium	6.5	0.50	mg/L	5.00	08/11/22 10:54	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 14:13	EPA 6020B		JIP	B2H1391	RC-G
Zine	ND	0.010	mg/L	1.00	08/09/22 16:28	EPA 6010D		KTH	B2H1367	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 14:13	EPA 6020B		JIP	B2H1455	RC-G



22H0490-09 Sample Number

Sample Description AF36898 CLFIB-4 collected on 06/27/22 12:53

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 16:32	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 16:32	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 16:28	EPA 6020B		ЛР	B2H1391	RC-G
Barium	0.056	0.010	mg/L	1.00	08/09/22 16:32	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/10/22 16:28	EPA 6020B		JIP	B2H1391	RC-G
Boron	27	15	ug/L	1.00	08/09/22 16:32	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 16:32	EPA 6010D		KTH	B2H1367	RC-G
Calcium	140	5.0	mg/L	100	08/11/22 11:14	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 16:28	EPA 6020B		JIP	B2H1391	RC-G
Cobalt	ND	0.001	mg/L	1.00	08/10/22 16:28	EPA 6020B		ЛР	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 16:32	EPA 6010D		KTH	B2H1367	RC-G
Iron	ND	0.050	mg/L	1.00	08/09/22 16:32	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 16:32	EPA 6010D		KTH	B2H1367	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 16:32	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	3.1	0.050	mg/L	1.00	08/09/22 16:32	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 16:32	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 16:32	EPA 6010D		KTH	B2H1367	RC-G
Potassium	0.55	0.10	mg/L	1.00	08/09/22 16:32	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 16:32	EPA 6010D		CAL	B2H1367	RC-G
Sodium	12	0.50	mg/L	5.00	08/11/22 11:17	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 16:28	EPA 6020B		JIP	B2H1391	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 16:32	EPA 6010D		KTH	B2H1367	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 14:18	EPA 6020B		ЛР	B2H1455	RC-G



22H0490-10 Sample Number

Sample Description AF36899 CLFIB-5 collected on 06/27/22 13:48

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 16:49	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 16:49	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 16:33	EPA 6020B		ЛР	B2H1391	RC-G
Barium	0.12	0.010	mg/L	1.00	08/09/22 16:49	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/10/22 16:33	EPA 6020B		JIP	B2H1391	RC-G
Boron	26	15	ug/L	1.00	08/09/22 16:49	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 16:49	EPA 6010D		KTH	B2H1367	RC-G
Calcium	290	25	mg/L	500	08/11/22 11:24	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 16:33	EPA 6020B		JIP	B2H1391	RC-G
Cobalt	0.004	0.001	mg/L	1.00	08/10/22 16:33	EPA 6020B		ЛР	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 16:49	EPA 6010D		KTH	B2H1367	RC-G
Iron	1.8	0.050	mg/L	1.00	08/09/22 16:49	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 16:49	EPA 6010D		KTH	B2H1367	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 16:49	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	4.7	0.050	mg/L	1.00	08/09/22 16:49	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 16:49	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 16:49	EPA 6010D		KTH	B2H1367	RC-G
Potassium	1.1	0.10	mg/L	1.00	08/09/22 16:49	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 16:49	EPA 6010D		CAL	B2H1367	RC-G
Sodium	20	0.50	mg/L	5.00	08/11/22 11:27	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 16:33	EPA 6020B		JIP	B2H1391	RC-G
Zine	ND	0.010	mg/L	1.00	08/09/22 16:49	EPA 6010D		KTH	B2H1367	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 14:23	EPA 6020B		JIP	B2H1455	RC-G



22H0490-11 Sample Number

Sample Description AF36900 CLFIB-5D collected on 06/27/22 14:47

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 16:52	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 16:52	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 16:37	EPA 6020B		JIP	B2H1391	RC-G
Barium	0.018	0.010	mg/L	1.00	08/09/22 16:52	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/10/22 16:37	EPA 6020B		JIP	B2H1391	RC-G
Boron	ND	15	ug/L	1.00	08/09/22 16:52	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 16:52	EPA 6010D		KTH	B2H1367	RC-G
Calcium	59	2.5	mg/L	50.0	08/11/22 11:34	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 16:37	EPA 6020B		JIP	B2H1391	RC-G
Cobalt	ND	0.001	mg/L	1.00	08/10/22 16:37	EPA 6020B		JIP	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 16:52	EPA 6010D		KTH	B2H1367	RC-G
Iron	0.21	0.050	mg/L	1.00	08/09/22 16:52	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 16:52	EPA 6010D		KTH	B2H1367	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 16:52	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	2.6	0.050	mg/L	1.00	08/09/22 16:52	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 16:52	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 16:52	EPA 6010D		KTH	B2H1367	RC-G
Potassium	3.7	0.10	mg/L	1.00	08/09/22 16:52	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 16:52	EPA 6010D		CAL	B2H1367	RC-G
Sodium	4.8	0.10	mg/L	1.00	08/09/22 16:52	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 16:37	EPA 6020B		JIP	B2H1391	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 16:52	EPA 6010D		KTH	B2H1367	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 14:27	EPA 6020B		JIP	B2H1455	RC-G



22H0490-12 Sample Number

Sample Description AF36902 POZ-3 collected on 06/27/22 15:46

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.070	0.050	mg/L	1.00	08/09/22 16:56	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 16:56	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 16:42	EPA 6020B		ЛР	B2H1391	RC-G
Barium	0.11	0.010	mg/L	1.00	08/09/22 16:56	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/10/22 16:42	EPA 6020B		ЛР	B2H1391	RC-G
Boron	ND	15	ug/L	1.00	08/09/22 16:56	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 16:56	EPA 6010D		KTH	B2H1367	RC-G
Calcium	180	2.5	mg/L	50.0	08/11/22 11:58	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 16:42	EPA 6020B		ЛР	B2H1391	RC-G
Cobalt	0.003	0.001	mg/L	1.00	08/10/22 16:42	EPA 6020B		ЛР	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 16:56	EPA 6010D		KTH	B2H1367	RC-G
Iron	0.13	0.050	mg/L	1.00	08/09/22 16:56	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 16:56	EPA 6010D		KTH	B2H1367	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 16:56	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	8.3	0.25	mg/L	5.00	08/11/22 12:01	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 16:56	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 16:56	EPA 6010D		KTH	B2H1367	RC-G
Potassium	0.36	0.10	mg/L	1.00	08/09/22 16:56	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 16:56	EPA 6010D		CAL	B2H1367	RC-G
Sodium	54	5.0	mg/L	50.0	08/11/22 11:58	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 16:42	EPA 6020B		ЛР	B2H1391	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 16:56	EPA 6010D		KTH	B2H1367	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 14:46	EPA 6020B		JIP	B2H1455	RC-G



22H0490-13 Sample Number

Sample Description AF36904 POZ-5D collected on 06/28/22 10:03

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.14	0.050	mg/L	1.00	08/09/22 16:59	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 16:59	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/12/22 19:21	EPA 6020B	X	JIP	B2H1391	RC-G
Barium	0.060	0.010	mg/L	1.00	08/09/22 16:59	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/11/22 16:14	EPA 6020B		JIP	B2H1391	RC-G
Boron	210	15	ug/L	1.00	08/09/22 16:59	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 16:59	EPA 6010D		KTH	B2H1367	RC-G
Calcium	760	50	mg/L	1,000	08/11/22 19:22	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/11/22 16:14	EPA 6020B		JIP	B2H1391	RC-G
Cobalt	0.008	0.002	mg/L	1.00	08/11/22 16:14	EPA 6020B		JIP	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 16:59	EPA 6010D		KTH	B2H1367	RC-G
Iron	11	0.25	mg/L	5.00	08/11/22 12:11	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 16:59	EPA 6010D		KTH	B2H1367	RC-G
Lithium	140	10	ug/L	1.00	08/09/22 16:59	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	12	0.25	mg/L	5.00	08/11/22 12:11	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 16:59	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 16:59	EPA 6010D		KTH	B2H1367	RC-G
Potassium	2.2	0.10	mg/L	1.00	08/09/22 16:59	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 16:59	EPA 6010D		CAL	B2H1367	RC-G
Sodium	94	10	mg/L	100	08/11/22 12:08	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 16:57	EPA 6020B		JIP	B2H1391	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 16:59	EPA 6010D		KTH	B2H1367	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.010	mg/L	2.00	08/15/22 17:43	EPA 6020B	X	ЛР	B2H1455	RC-G



22H0490-14 Sample Number

Sample Description AF36886 CCMLF-1D collected on 06/29/22 10:33

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 17:03	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 17:03	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 17:02	EPA 6020B		JIP	B2H1391	RC-G
Barium	0.040	0.010	mg/L	1.00	08/09/22 17:03	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/11/22 15:11	EPA 6020B		JIP	B2H1391	RC-G
Boron	15	15	ug/L	1.00	08/09/22 17:03	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 17:03	EPA 6010D		KTH	B2H1367	RC-G
Calcium	55	2.5	mg/L	50.0	08/11/22 11:41	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/11/22 15:11	EPA 6020B		JIP	B2H1391	RC-G
Cobalt	ND	0.002	mg/L	1.00	08/11/22 15:11	EPA 6020B		JIP	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 17:03	EPA 6010D		KTH	B2H1367	RC-G
Iron	1.1	0.050	mg/L	1.00	08/09/22 17:03	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 17:03	EPA 6010D		KTH	B2H1367	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 17:03	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	1.3	0.050	mg/L	1.00	08/09/22 17:03	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 17:03	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 17:03	EPA 6010D		KTH	B2H1367	RC-G
Potassium	1.2	0.10	mg/L	1.00	08/09/22 17:03	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 17:03	EPA 6010D		CAL	B2H1367	RC-G
Sodium	3.1	0.10	mg/L	1.00	08/09/22 17:03	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 17:02	EPA 6020B		JIP	B2H1391	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 17:03	EPA 6010D		KTH	B2H1367	RC-G



22H0490-15 Sample Number

Sample Description AF36887 CCMLF-2 collected on 06/29/22 11:40

P	Result	Reporting	Units	DE	f	Method	171	A T	Batch	Lab
Parameter	Result	Limit	Units	DF	Analyzed	Method	Flag	Analyst	Daten	Lab
Total Metals										
Aluminum	0.11	0.050	mg/L	1.00	08/09/22 17:06	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 17:06	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 17:07	EPA 6020B		JIP	B2H1391	RC-G
Barium	0.035	0.010	mg/L	1.00	08/09/22 17:06	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/11/22 15:16	EPA 6020B		JIP	B2H1391	RC-G
Boron	ND	15	ug/L	1.00	08/09/22 17:06	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 17:06	EPA 6010D		KTH	B2H1367	RC-G
Calcium	16	0.25	mg/L	5.00	08/11/22 12:18	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/11/22 15:16	EPA 6020B		JIP	B2H1391	RC-G
Cobalt	ND	0.002	mg/L	1.00	08/11/22 15:16	EPA 6020B		JIP	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 17:06	EPA 6010D		KTH	B2H1367	RC-G
Iron	0.49	0.050	mg/L	1.00	08/09/22 17:06	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 17:06	EPA 6010D		KTH	B2H1367	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 17:06	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	0.39	0.050	mg/L	1.00	08/09/22 17:06	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 17:06	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 17:06	EPA 6010D		KTH	B2H1367	RC-G
Potassium	0.90	0.10	mg/L	1.00	08/09/22 17:06	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 17:06	EPA 6010D		CAL	B2H1367	RC-G
Sodium	3.8	0.10	mg/L	1.00	08/09/22 17:06	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 17:07	EPA 6020B		JIP	B2H1391	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 17:06	EPA 6010D		KTH	B2H1367	RC-G



22H0490-16 Sample Number

Sample Description AF36877 CCMAP-1 collected on 06/29/22 13:10

200	D. W	Reporting	20.70			***				
Parameter	Result	Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 17:10	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 17:10	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 17:11	EPA 6020B		JIP	B2H1391	RC-G
Barium	0.050	0.010	mg/L	1.00	08/09/22 17:10	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/11/22 15:21	EPA 6020B		JIP	B2H1391	RC-G
Boron	ND	15	ug/L	1.00	08/09/22 17:10	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 17:10	EPA 6010D		KTH	B2H1367	RC-G
Calcium	59	2.5	mg/L	50.0	08/11/22 12:42	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/11/22 15:21	EPA 6020B		JIP	B2H1391	RC-G
Cobalt	ND	0.002	mg/L	1.00	08/11/22 15:21	EPA 6020B		JIP	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 17:10	EPA 6010D		KTH	B2H1367	RC-G
Iron	0.42	0.050	mg/L	1.00	08/09/22 17:10	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 17:10	EPA 6010D		KTH	B2H1367	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 17:10	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	1.4	0.050	mg/L	1.00	08/09/22 17:10	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 17:10	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 17:10	EPA 6010D		KTH	B2H1367	RC-G
Potassium	0.51	0.10	mg/L	1.00	08/09/22 17:10	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 17:10	EPA 6010D		CAL	B2H1367	RC-G
Sodium	6.8	0.50	mg/L	5.00	08/11/22 12:45	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 17:11	EPA 6020B		JIP	B2H1391	RC-G
Zine	ND	0.010	mg/L	1.00	08/09/22 17:10	EPA 6010D		KTH	B2H1367	RC-G



22H0490-17 Sample Number

Sample Description AF36883 CCMAP-6 collected on 06/29/22 14:08

		Reporting				200				
Parameter	Result	Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.69	0.050	mg/L	1.00	08/09/22 17:13	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 17:13	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 17:16	EPA 6020B		JIP	B2H1391	RC-G
Barium	0.038	0.010	mg/L	1.00	08/09/22 17:13	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	0.004	0.0005	mg/L	1.00	08/11/22 15:25	EPA 6020B		JIP	B2H1391	RC-G
Boron	ND	15	ug/L	1.00	08/09/22 17:13	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 17:13	EPA 6010D		KTH	B2H1367	RC-G
Calcium	17	0.25	mg/L	5.00	08/11/22 12:25	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/11/22 15:25	EPA 6020B		JIP	B2H1391	RC-G
Cobalt	0.035	0.002	mg/L	1.00	08/11/22 15:25	EPA 6020B		JIP	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 17:13	EPA 6010D		KTH	B2H1367	RC-G
Iron	ND	0.050	mg/L	1.00	08/09/22 17:13	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 17:13	EPA 6010D		KTH	B2H1367	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 17:13	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	4.8	0.050	mg/L	1.00	08/09/22 17:13	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 17:13	EPA 6010D		KTH	B2H1367	RC-G
Nickel	0.024	0.010	mg/L	1.00	08/09/22 17:13	EPA 6010D		KTH	B2H1367	RC-G
Potassium	1.3	0.10	mg/L	1.00	08/09/22 17:13	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 17:13	EPA 6010D		CAL	B2H1367	RC-G
Sodium	2.2	0.10	mg/L	1.00	08/09/22 17:13	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 17:16	EPA 6020B		JIP	B2H1391	RC-G
Zinc	0.034	0.010	mg/L	1.00	08/09/22 17:13	EPA 6010D		KTH	B2H1367	RC-G



22H0490-18 Sample Number

Sample Description AF36879 CCMAP-3 collected on 06/30/22 09:30

32.55 g	D	Reporting				26.0			ъ. т	
Parameter	Result	Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.093	0.050	mg/L	1.00	08/09/22 17:17	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 17:17	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.025	mg/L	5.00	08/12/22 19:26	EPA 6020B	X	JIP	B2H1391	RC-G
Barium	0.056	0.010	mg/L	1.00	08/09/22 17:17	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.002	mg/L	5.00	08/12/22 19:26	EPA 6020B	X	JIP	B2H1391	RC-G
Boron	21000	75	ug/L	5.00	08/11/22 12:55	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 17:17	EPA 6010D		KTH	B2H1367	RC-G
Calcium	1000	50	mg/L	1,000	08/11/22 19:26	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.025	mg/L	5.00	08/12/22 19:26	EPA 6020B	X	JIP	B2H1391	RC-G
Cobalt	ND	0.005	mg/L	5.00	08/12/22 19:26	EPA 6020B	X	JIP	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 17:17	EPA 6010D		KTH	B2H1367	RC-G
Iron	3.1	0.050	mg/L	1.00	08/09/22 17:17	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 17:17	EPA 6010D		KTH	B2H1367	RC-G
Lithium	27	10	ug/L	1.00	08/09/22 17:17	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	140	5.0	mg/L	100	08/11/22 12:52	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 17:17	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 17:17	EPA 6010D		KTH	B2H1367	RC-G
Potassium	13	0.10	mg/L	1.00	08/09/22 17:17	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 17:17	EPA 6010D		CAL	B2H1367	RC-G
Sodium	180	10	mg/L	100	08/11/22 12:52	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.005	mg/L	5.00	08/12/22 19:26	EPA 6020B	X	ЛР	B2H1391	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 17:17	EPA 6010D		KTH	B2H1367	RC-G



22H0490-19 Sample Number

Sample Description AF36878 CCMAP-2 collected on 06/30/22 10:33

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 17:34	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 17:34	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 17:26	EPA 6020B		JIP	B2H1391	RC-G
Barium	0.016	0.010	mg/L	1.00	08/09/22 17:34	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/11/22 15:50	EPA 6020B		JIP	B2H1391	RC-G
Boron	ND	15	ug/L	1.00	08/09/22 17:34	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 17:34	EPA 6010D		KTH	B2H1367	RC-G
Calcium	8.6	0.25	mg/L	5.00	08/11/22 13:02	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/11/22 15:50	EPA 6020B		JIP	B2H1391	RC-G
Cobalt	ND	0.002	mg/L	1.00	08/11/22 15:50	EPA 6020B		JIP	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 17:34	EPA 6010D		KTH	B2H1367	RC-G
Iron	0.072	0.050	mg/L	1.00	08/09/22 17:34	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 17:34	EPA 6010D		KTH	B2H1367	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 17:34	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	0.20	0.050	mg/L	1.00	08/09/22 17:34	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 17:34	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 17:34	EPA 6010D		KTH	B2H1367	RC-G
Potassium	0.66	0.10	mg/L	1.00	08/09/22 17:34	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 17:34	EPA 6010D		CAL	B2H1367	RC-G
Sodium	3.2	0.10	mg/L	1.00	08/09/22 17:34	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 17:26	EPA 6020B		JIP	B2H1391	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 17:34	EPA 6010D		KTH	B2H1367	RC-G



22H0490-20 Sample Number

Sample Description AF36884 CCMAP-7 collected on 06/30/22 11:29

	Result	Reporting	Units	D.E.		34.41.1	121		D. / I	
Parameter	Result	Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 17:37	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 17:37	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 17:30	EPA 6020B		ЛР	B2H1391	RC-G
Barium	0.037	0.010	mg/L	1.00	08/09/22 17:37	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/11/22 15:54	EPA 6020B		JIP	B2H1391	RC-G
Boron	ND	15	ug/L	1.00	08/09/22 17:37	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 17:37	EPA 6010D		KTH	B2H1367	RC-G
Calcium	14	0.25	mg/L	5.00	08/11/22 13:09	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/11/22 15:54	EPA 6020B		JIP	B2H1391	RC-G
Cobalt	0.007	0.002	mg/L	1.00	08/11/22 15:54	EPA 6020B		JIP	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 17:37	EPA 6010D		KTH	B2H1367	RC-G
Iron	0.053	0.050	mg/L	1.00	08/09/22 17:37	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 17:37	EPA 6010D		KTH	B2H1367	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 17:37	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	0.62	0.050	mg/L	1.00	08/09/22 17:37	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 17:37	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 17:37	EPA 6010D		KTH	B2H1367	RC-G
Potassium	0.87	0.10	mg/L	1.00	08/09/22 17:37	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 17:37	EPA 6010D		CAL	B2H1367	RC-G
Sodium	5.9	0.50	mg/L	5.00	08/11/22 13:09	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 17:30	EPA 6020B		JIP	B2H1391	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 17:37	EPA 6010D		KTH	B2H1367	RC-G



22H0490-21 Sample Number

Sample Description AF36880 CCMAP-4 collected on 06/30/22 12:40

	-	Reporting	TT 10.04			26.0	***			
Parameter	Result	Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 17:51	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 17:51	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 18:37	EPA 6020B		JIP	B2H1392	RC-G
Barium	0.17	0.010	mg/L	1.00	08/09/22 17:51	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/10/22 18:37	EPA 6020B		JIP	B2H1392	RC-G
Boron	26	15	ug/L	1.00	08/09/22 17:51	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 17:51	EPA 6010D		KTH	B2H1368	RC-G
Calcium	89	2.5	mg/L	50.0	08/11/22 13:26	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 18:37	EPA 6020B		JIP	B2H1392	RC-G
Cobalt	0.006	0.001	mg/L	1.00	08/10/22 18:37	EPA 6020B		JIP	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 17:51	EPA 6010D		KTH	B2H1368	RC-G
Iron	2.8	0.050	mg/L	1.00	08/09/22 17:51	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 17:51	EPA 6010D		KTH	B2H1368	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 17:51	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	2.5	0.050	mg/L	1.00	08/09/22 17:51	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 17:51	EPA 6010D		KTH	B2H1368	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 17:51	EPA 6010D		KTH	B2H1368	RC-G
Potassium	0.98	0.10	mg/L	1.00	08/09/22 17:51	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 17:51	EPA 6010D		CAL	B2H1368	RC-G
Sodium	15	1.0	mg/L	10.0	08/11/22 13:36	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 18:37	EPA 6020B		JIP	B2H1392	RC-G
Zine	ND	0.010	mg/L	1.00	08/09/22 17:51	EPA 6010D		KTH	B2H1368	RC-G



22H0490-22 Sample Number

Sample Description AF36881 CCMAP-4 DUP collected on 06/30/22 12:45

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 18:11	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 18:11	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 18:41	EPA 6020B		JIP	B2H1392	RC-G
Barium	0.16	0.010	mg/L	1.00	08/09/22 18:11	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/10/22 18:41	EPA 6020B		JIP	B2H1392	RC-G
Boron	25	15	ug/L	1.00	08/09/22 18:11	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 18:11	EPA 6010D		KTH	B2H1368	RC-G
Calcium	85	2.5	mg/L	50.0	08/11/22 13:46	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 18:41	EPA 6020B		JIP	B2H1392	RC-G
Cobalt	0.006	0.001	mg/L	1.00	08/10/22 18:41	EPA 6020B		ЛР	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 18:11	EPA 6010D		KTH	B2H1368	RC-G
Iron	2.6	0.050	mg/L	1.00	08/09/22 18:11	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 18:11	EPA 6010D		KTH	B2H1368	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 18:11	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	2.4	0.050	mg/L	1.00	08/09/22 18:11	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 18:11	EPA 6010D		KTH	B2H1368	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 18:11	EPA 6010D		KTH	B2H1368	RC-G
Potassium	0.95	0.10	mg/L	1.00	08/09/22 18:11	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 18:11	EPA 6010D		CAL	B2H1368	RC-G
Sodium	14	1.0	mg/L	10.0	08/11/22 13:56	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 18:41	EPA 6020B		JIP	B2H1392	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 18:11	EPA 6010D		KTH	B2H1368	RC-G



22H0490-23 Sample Number

Sample Description AF36882 CCMAP-5 collected on 06/30/22 14:06

P	Result	Reporting	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Parameter	Result	Limit	Units	DF	Anaryzeu	Method	riag	Analyst	Daten	Lab
Total Metals										
Aluminum	0.075	0.050	mg/L	1.00	08/09/22 18:32	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 18:32	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 22:15	EPA 6020B	X	JIP	B2H1392	RC-G
Barium	0.20	0.010	mg/L	1.00	08/09/22 18:32	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/10/22 18:46	EPA 6020B		JIP	B2H1392	RC-G
Boron	ND	15	ug/L	1.00	08/09/22 18:32	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 18:32	EPA 6010D		KTH	B2H1368	RC-G
Calcium	140	5.0	mg/L	100	08/11/22 14:23	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 18:46	EPA 6020B		JIP	B2H1392	RC-G
Cobalt	0.008	0.001	mg/L	1.00	08/10/22 18:46	EPA 6020B		JIP	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 18:32	EPA 6010D		KTH	B2H1368	RC-G
Iron	0.30	0.050	mg/L	1.00	08/09/22 18:32	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 18:32	EPA 6010D		KTH	B2H1368	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 18:32	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	2.4	0.050	mg/L	1.00	08/09/22 18:32	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 18:32	EPA 6010D		KTH	B2H1368	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 18:32	EPA 6010D		KTH	B2H1368	RC-G
Potassium	0.89	0.10	mg/L	1.00	08/09/22 18:32	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 18:32	EPA 6010D		CAL	B2H1368	RC-G
Sodium	15	1.0	mg/L	10.0	08/11/22 14:27	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 18:46	EPA 6020B		JIP	B2H1392	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 18:32	EPA 6010D		KTH	B2H1368	RC-G



22H0490-24 Sample Number

Sample Description AF36876 CBW-1 collected on 06/20/22 14:16

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.81	0.050	mg/L	1.00	08/11/22 14:43	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/11/22 14:43	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 17:56	EPA 6020B		JIP	B2H1392	RC-G
Barium	0.033	0.010	mg/L	1.00	08/11/22 14:43	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/22/22 22:26	EPA 6020B		JIP	B2H1735	RC-G
Boron	15	15	ug/L	1.00	08/11/22 14:43	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/11/22 14:43	EPA 6010D		KTH	B2H1368	RC-G
Calcium	29	2.5	mg/L	50.0	08/11/22 14:33	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.005	mg/L	1.00	08/17/22 17:59	EPA 6020B		JIP	B2H1735	RC-G
Cobalt	ND	0.001	mg/L	1.00	08/17/22 17:59	EPA 6020B		JIP	B2H1735	RC-G
Copper	ND	0.010	mg/L	1.00	08/11/22 14:43	EPA 6010D		KTH	B2H1368	RC-G
Iron	0.14	0.050	mg/L	1.00	08/11/22 14:43	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/11/22 14:43	EPA 6010D		KTH	B2H1368	RC-G
Lithium	ND	10	ug/L	1.00	08/11/22 14:43	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	1.9	0.050	mg/L	1.00	08/11/22 14:43	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/11/22 14:43	EPA 6010D		KTH	B2H1368	RC-G
Nickel	ND	0.010	mg/L	1.00	08/11/22 14:43	EPA 6010D		KTH	B2H1368	RC-G
Potassium	0.62	0.10	mg/L	1.00	08/11/22 14:43	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.050	mg/L	1.00	08/11/22 14:43	EPA 6010D		CAL	B2H1368	RC-G
Sodium	3.2	0.10	mg/L	1.00	08/11/22 14:43	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 17:56	EPA 6020B		JIP	B2H1392	RC-G
Zine	ND	0.010	mg/L	1.00	08/11/22 14:43	EPA 6010D		KTH	B2H1368	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 14:56	EPA 6020B		JIP	B2H1455	RC-G



22H0490-25 Sample Number

Sample Description AF36901 PM-1 collected on 06/20/22 15:31

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 18:53	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 18:53	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 18:12	EPA 6020B		ЛР	B2H1392	RC-G
Barium	0.076	0.010	mg/L	1.00	08/09/22 18:53	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/15/22 16:39	EPA 6020B		JIP	B2H1392	RC-G
Boron	ND	15	ug/L	1.00	08/09/22 18:53	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 18:53	EPA 6010D		KTH	B2H1368	RC-G
Calcium	6.2	0.25	mg/L	5.00	08/11/22 14:06	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.005	mg/L	1.00	08/15/22 16:39	EPA 6020B		JIP	B2H1392	RC-G
Cobalt	ND	0.001	mg/L	1.00	08/15/22 16:39	EPA 6020B		JIP	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 18:53	EPA 6010D		KTH	B2H1368	RC-G
Iron	6.0	0.25	mg/L	5.00	08/11/22 14:06	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 18:53	EPA 6010D		KTH	B2H1368	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 18:53	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	0.47	0.050	mg/L	1.00	08/09/22 18:53	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 18:53	EPA 6010D		KTH	B2H1368	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 18:53	EPA 6010D		KTH	B2H1368	RC-G
Potassium	0.58	0.10	mg/L	1.00	08/09/22 18:53	EPA 6010D		KTH	B2H1368	RC-G
Sodium	5.6	0.50	mg/L	5.00	08/11/22 14:06	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 18:12	EPA 6020B		ЛР	B2H1392	RC-G
Zinc	0.013	0.010	mg/L	1.00	08/09/22 18:53	EPA 6010D		KTH	B2H1368	RC-G
Rebatch Sample Number: 22H04	490-25RE1									
Chromium	ND	0.005	mg/L	1.00	08/17/22 18:16	EPA 6020B		ЛР	B2H1735	RC-G
Cobalt	0.001	0.001	mg/L	1.00	08/17/22 18:16	EPA 6020B		JIP	B2H1735	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 15:00	EPA 6020B		ЛР	B2H1455	RC-G



22H0490-26 Sample Number

Sample Description AF36888 CGYP-1 collected on 06/21/22 10:04

P	Result	Reporting	Units	DE	f	Mahad	179	X T X	D. A.I.	T L
Parameter	Result	Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	7.1	0.10	mg/L	2.00	08/11/22 15:16	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/11/22 15:19	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 22:20	EPA 6020B	X	JIP	B2H1392	RC-G
Barium	0.023	0.010	mg/L	1.00	08/11/22 15:19	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	0.006	0.0005	mg/L	1.00	08/10/22 18:51	EPA 6020B		JIP	B2H1392	RC-G
Boron	4200	15	ug/L	1.00	08/11/22 15:19	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/11/22 15:19	EPA 6010D		KTH	B2H1368	RC-G
Calcium	200	2.5	mg/L	50.0	08/11/22 15:08	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 18:51	EPA 6020B		ЛР	B2H1392	RC-G
Cobalt	0.033	0.001	mg/L	1.00	08/10/22 18:51	EPA 6020B		JIP	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/11/22 15:19	EPA 6010D		KTH	B2H1368	RC-G
Iron	200	2.5	mg/L	50.0	08/11/22 15:08	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/11/22 15:19	EPA 6010D		KTH	B2H1368	RC-G
Lithium	ND	10	ug/L	1.00	08/11/22 15:19	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	49	2.5	mg/L	50.0	08/11/22 15:08	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/11/22 15:19	EPA 6010D		KTH	B2H1368	RC-G
Nickel	0.013	0.010	mg/L	1.00	08/11/22 15:19	EPA 6010D		KTH	B2H1368	RC-G
Potassium	2.5	0.10	mg/L	1.00	08/11/22 15:19	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.050	mg/L	1.00	08/11/22 15:19	EPA 6010D		CAL	B2H1368	RC-G
Sodium	65	5.0	mg/L	50.0	08/11/22 15:08	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 18:51	EPA 6020B		JIP	B2H1392	RC-G
Zinc	0.021	0.010	mg/L	1.00	08/11/22 15:19	EPA 6010D		KTH	B2H1368	RC-G



22H0490-27 Sample Number

Sample Description AF36889 CGYP-2 collected on 06/21/22 11:09

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	16	0.25	mg/L	5.00	08/11/22 15:29	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/11/22 15:37	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 18:56	EPA 6020B		JIP	B2H1392	RC-G
Barium	ND	0.010	mg/L	1.00	08/11/22 15:37	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	0.003	0.0005	mg/L	1.00	08/10/22 18:56	EPA 6020B		JIP	B2H1392	RC-G
Boron	570	15	ug/L	1.00	08/11/22 15:37	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/11/22 15:37	EPA 6010D		KTH	B2H1368	RC-G
Calcium	240	2.5	mg/L	50.0	08/11/22 15:26	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 18:56	EPA 6020B		JIP	B2H1392	RC-G
Cobalt	0.018	0.001	mg/L	1.00	08/10/22 18:56	EPA 6020B		JIP	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/11/22 15:37	EPA 6010D		KTH	B2H1368	RC-G
Iron	68	2.5	mg/L	50.0	08/11/22 15:26	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/11/22 15:37	EPA 6010D		KTH	B2H1368	RC-G
Lithium	ND	10	ug/L	1.00	08/11/22 15:37	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	18	0.25	mg/L	5.00	08/11/22 15:29	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/11/22 15:37	EPA 6010D		KTH	B2H1368	RC-G
Nickel	ND	0.010	mg/L	1.00	08/11/22 15:37	EPA 6010D		KTH	B2H1368	RC-G
Potassium	1.4	0.10	mg/L	1.00	08/11/22 15:37	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.050	mg/L	1.00	08/11/22 15:37	EPA 6010D		CAL	B2H1368	RC-G
Sodium	4.9	0.10	mg/L	1.00	08/11/22 15:37	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 18:56	EPA 6020B		JIP	B2H1392	RC-G
Zinc	ND	0.010	mg/L	1.00	08/11/22 15:37	EPA 6010D		KTH	B2H1368	RC-G



22H0490-28 Sample Number

Sample Description AF36890 CGYP-2 DUP collected on 06/21/22 11:14

Paramatan	Result	Reporting	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Parameter	Result	Limit	Cints	Dr	Anaryzeu	Wiethou	Flag	Analyst	Dattii	Lab
Total Metals										
Aluminum	15	0.25	mg/L	5.00	08/11/22 15:57	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/11/22 16:04	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 19:01	EPA 6020B		JIP	B2H1392	RC-G
Barium	ND	0.010	mg/L	1.00	08/11/22 16:04	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	0.003	0.0005	mg/L	1.00	08/10/22 19:01	EPA 6020B		JIP	B2H1392	RC-G
Boron	570	15	ug/L	1.00	08/11/22 16:04	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/11/22 16:04	EPA 6010D		KTH	B2H1368	RC-G
Calcium	240	2.5	mg/L	50.0	08/11/22 15:54	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 19:01	EPA 6020B		JIP	B2H1392	RC-G
Cobalt	0.018	0.001	mg/L	1.00	08/10/22 19:01	EPA 6020B		JIP	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/11/22 16:04	EPA 6010D		KTH	B2H1368	RC-G
Iron	66	2.5	mg/L	50.0	08/11/22 15:54	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/11/22 16:04	EPA 6010D		KTH	B2H1368	RC-G
Lithium	ND	10	ug/L	1.00	08/11/22 16:04	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	17	0.25	mg/L	5.00	08/11/22 15:57	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/11/22 16:04	EPA 6010D		KTH	B2H1368	RC-G
Nickel	ND	0.010	mg/L	1.00	08/11/22 16:04	EPA 6010D		KTH	B2H1368	RC-G
Potassium	1.4	0.10	mg/L	1.00	08/11/22 16:04	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.050	mg/L	1.00	08/11/22 16:04	EPA 6010D		CAL	B2H1368	RC-G
Sodium	4.8	0.10	mg/L	1.00	08/11/22 16:04	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 19:01	EPA 6020B		JIP	B2H1392	RC-G
Zinc	ND	0.010	mg/L	1.00	08/11/22 16:04	EPA 6010D		KTH	B2H1368	RC-G



22H0490-29 Sample Number

Sample Description AF36891 CGYP-3 collected on 06/21/22 12:31

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	43	5.0	mg/L	100	08/11/22 16:11	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/11/22 16:22	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 22:25	EPA 6020B	X	JIP	B2H1392	RC-G
Barium	0.017	0.010	mg/L	1.00	08/11/22 16:22	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	0.017	0.0005	mg/L	1.00	08/10/22 19:05	EPA 6020B		JIP	B2H1392	RC-G
Boron	9900	30	ug/L	2.00	08/11/22 16:18	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/11/22 16:22	EPA 6010D		KTH	B2H1368	RC-G
Calcium	460	5.0	mg/L	100	08/11/22 16:11	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 19:05	EPA 6020B		JIP	B2H1392	RC-G
Cobalt	0.055	0.001	mg/L	1.00	08/10/22 19:05	EPA 6020B		JIP	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/11/22 16:22	EPA 6010D		KTH	B2H1368	RC-G
Iron	210	5.0	mg/L	100	08/11/22 16:11	EPA 6010D		KTH	B2H1368	RC-G
Lead	0.011	0.010	mg/L	1.00	08/11/22 16:22	EPA 6010D		KTH	B2H1368	RC-G
Lithium	29	10	ug/L	1.00	08/11/22 16:22	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	19	0.25	mg/L	5.00	08/11/22 16:14	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/11/22 16:22	EPA 6010D		KTH	B2H1368	RC-G
Nickel	0.034	0.010	mg/L	1.00	08/11/22 16:22	EPA 6010D		KTH	B2H1368	RC-G
Potassium	1.5	0.10	mg/L	1.00	08/11/22 16:22	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.050	mg/L	1.00	08/11/22 16:22	EPA 6010D		CAL	B2H1368	RC-G
Sodium	85	10	mg/L	100	08/11/22 16:11	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 19:05	EPA 6020B		JIP	B2H1392	RC-G
Zinc	0.054	0.010	mg/L	1.00	08/11/22 16:22	EPA 6010D		KTH	B2H1368	RC-G



22H0490-30 Sample Number

Sample Description AF36892 CGYP-4 collected on 06/21/22 13:23

P	Result	Reporting	Units	DE	F 1	Mahad	179	X T X	D-4-L	T - L
Parameter	Result	Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	18	0.25	mg/L	5.00	08/11/22 16:42	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/11/22 16:49	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 22:45	EPA 6020B	X	JIP	B2H1392	RC-G
Barium	0.019	0.010	mg/L	1.00	08/11/22 16:49	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	0.013	0.0005	mg/L	1.00	08/10/22 19:10	EPA 6020B		JIP	B2H1392	RC-G
Boron	4300	15	ug/L	1.00	08/11/22 16:49	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/11/22 16:49	EPA 6010D		KTH	B2H1368	RC-G
Calcium	270	5.0	mg/L	100	08/11/22 16:39	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 19:10	EPA 6020B		ЛР	B2H1392	RC-G
Cobalt	0.033	0.001	mg/L	1.00	08/10/22 19:10	EPA 6020B		JIP	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/11/22 16:49	EPA 6010D		KTH	B2H1368	RC-G
Iron	100	5.0	mg/L	100	08/11/22 16:39	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/11/22 16:49	EPA 6010D		KTH	B2H1368	RC-G
Lithium	39	10	ug/L	1.00	08/11/22 16:49	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	13	0.25	mg/L	5.00	08/11/22 16:42	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/11/22 16:49	EPA 6010D		KTH	B2H1368	RC-G
Nickel	0.027	0.010	mg/L	1.00	08/11/22 16:49	EPA 6010D		KTH	B2H1368	RC-G
Potassium	2.5	0.10	mg/L	1.00	08/11/22 16:49	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.050	mg/L	1.00	08/11/22 16:49	EPA 6010D		CAL	B2H1368	RC-G
Sodium	77	10	mg/L	100	08/11/22 16:39	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 19:10	EPA 6020B		JIP	B2H1392	RC-G
Zinc	0.047	0.010	mg/L	1.00	08/11/22 16:49	EPA 6010D		KTH	B2H1368	RC-G



22H0490-31 Sample Number

Sample Description AF36893 CGYP-6 collected on 06/21/22 14:23

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	8.2	0.10	mg/L	2.00	08/11/22 17:03	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/11/22 17:07	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 22:49	EPA 6020B	X	ЛР	B2H1392	RC-G
Barium	0.29	0.010	mg/L	1.00	08/11/22 17:07	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	0.019	0.0005	mg/L	1.00	08/10/22 19:15	EPA 6020B		JIP	B2H1392	RC-G
Boron	6100	30	ug/L	2.00	08/11/22 17:03	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/11/22 17:07	EPA 6010D		KTH	B2H1368	RC-G
Calcium	430	25	mg/L	500	08/11/22 19:43	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 19:15	EPA 6020B		ЛР	B2H1392	RC-G
Cobalt	0.117	0.001	mg/L	1.00	08/10/22 19:15	EPA 6020B		JIP	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/11/22 17:07	EPA 6010D		KTH	B2H1368	RC-G
Iron	45	2.5	mg/L	50.0	08/11/22 16:56	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/11/22 17:07	EPA 6010D		KTH	B2H1368	RC-G
Lithium	100	10	ug/L	1.00	08/11/22 17:07	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	14	0.25	mg/L	5.00	08/11/22 17:00	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/11/22 17:07	EPA 6010D		KTH	B2H1368	RC-G
Nickel	0.12	0.010	mg/L	1.00	08/11/22 17:07	EPA 6010D		KTH	B2H1368	RC-G
Potassium	1.9	0.10	mg/L	1.00	08/11/22 17:07	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.050	mg/L	1.00	08/11/22 17:07	EPA 6010D		CAL	B2H1368	RC-G
Sodium	98	5.0	mg/L	50.0	08/11/22 16:56	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 19:15	EPA 6020B		JIP	B2H1392	RC-G
Zinc	0.082	0.010	mg/L	1.00	08/11/22 17:07	EPA 6010D		KTH	B2H1368	RC-G



22H0490-32 Sample Number

Sample Description AF36908 POZ-8 collected on 06/28/22 10:50

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 19:18	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 19:18	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/22/22 22:58	EPA 6020B		JIP	B2H1392	RC-G
Barium	0.30	0.010	mg/L	1.00	08/09/22 19:18	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/10/22 19:20	EPA 6020B		JIP	B2H1392	RC-G
Boron	26	15	ug/L	1.00	08/09/22 19:18	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 19:18	EPA 6010D		KTH	B2H1368	RC-G
Calcium	390	50	mg/L	1,000	08/11/22 19:49	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 19:20	EPA 6020B		JIP	B2H1392	RC-G
Cobalt	0.001	0.001	mg/L	1.00	08/10/22 19:20	EPA 6020B		JIP	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 19:18	EPA 6010D		KTH	B2H1368	RC-G
Iron	9.4	0.25	mg/L	5.00	08/11/22 17:27	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 19:18	EPA 6010D		KTH	B2H1368	RC-G
Lithium	28	10	ug/L	1.00	08/09/22 19:18	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	9.4	0.25	mg/L	5.00	08/11/22 17:27	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 19:18	EPA 6010D		KTH	B2H1368	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 19:18	EPA 6010D		KTH	B2H1368	RC-G
Potassium	5.4	0.10	mg/L	1.00	08/09/22 19:18	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 19:18	EPA 6010D		CAL	B2H1368	RC-G
Sodium	46	5.0	mg/L	50.0	08/11/22 17:24	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 19:20	EPA 6020B		JIP	B2H1392	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 19:18	EPA 6010D		KTH	B2H1368	RC-G



22H0490-33 Sample Number

Sample Description AF36885 CCMLF-1 collected on 06/29/22 09:30

	D	Reporting	TOTAL **			26.0			ъ	
Parameter	Result	Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 19:35	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 19:35	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 19:35	EPA 6020B		ЛР	B2H1392	RC-G
Barium	0.082	0.010	mg/L	1.00	08/09/22 19:35	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	ND	0.001	mg/L	2.00	08/16/22 22:54	EPA 6020B	X	JIP	B2H1392	RC-G
Boron	18	15	ug/L	1.00	08/09/22 19:35	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 19:35	EPA 6010D		KTH	B2H1368	RC-G
Calcium	25	0.50	mg/L	10.0	08/11/22 14:52	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.010	mg/L	2.00	08/16/22 22:54	EPA 6020B	X	JIP	B2H1392	RC-G
Cobalt	ND	0.004	mg/L	2.00	08/16/22 22:54	EPA 6020B	X	ЛР	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 19:35	EPA 6010D		KTH	B2H1368	RC-G
Iron	0.32	0.050	mg/L	1.00	08/09/22 19:35	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 19:35	EPA 6010D		KTH	B2H1368	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 19:35	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	1.1	0.050	mg/L	1.00	08/09/22 19:35	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 19:35	EPA 6010D		KTH	B2H1368	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 19:35	EPA 6010D		KTH	B2H1368	RC-G
Potassium	1.2	0.10	mg/L	1.00	08/09/22 19:35	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 19:35	EPA 6010D		CAL	B2H1368	RC-G
Sodium	3.9	0.10	mg/L	1.00	08/09/22 19:35	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 19:35	EPA 6020B		JIP	B2H1392	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 19:35	EPA 6010D		KTH	B2H1368	RC-G



22H0490-34 Sample Number

Sample Description AF36873 CAP-12 collected on 06/21/22 15:18

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
				40-55 609	1940		10,779	194)		
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 19:38	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 19:38	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 22:59	EPA 6020B	X	JIP	B2H1392	RC-G
Barium	0.18	0.010	mg/L	1.00	08/09/22 19:38	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	ND	0.001	mg/L	2.00	08/16/22 22:59	EPA 6020B	X	JIP	B2H1392	RC-G
Boron	26	15	ug/L	1.00	08/09/22 19:38	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 19:38	EPA 6010D		KTH	B2H1368	RC-G
Calcium	340	25	mg/L	500	08/11/22 17:34	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.010	mg/L	2.00	08/16/22 22:59	EPA 6020B	X	JIP	B2H1392	RC-G
Cobalt	ND	0.004	mg/L	2.00	08/16/22 22:59	EPA 6020B	X	JIP	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 19:38	EPA 6010D		KTH	B2H1368	RC-G
Iron	2.0	0.050	mg/L	1.00	08/09/22 19:38	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 19:38	EPA 6010D		KTH	B2H1368	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 19:38	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	3.7	0.050	mg/L	1.00	08/09/22 19:38	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 19:38	EPA 6010D		KTH	B2H1368	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 19:38	EPA 6010D		KTH	B2H1368	RC-G
Potassium	2.1	0.10	mg/L	1.00	08/09/22 19:38	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 19:38	EPA 6010D		CAL	B2H1368	RC-G
Sodium	16	1.0	mg/L	10.0	08/11/22 17:37	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 19:40	EPA 6020B		JIP	B2H1392	RC-G
Zine	ND	0.010	mg/L	1.00	08/09/22 19:38	EPA 6010D		KTH	B2H1368	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 15:05	EPA 6020B		ЛР	B2H1455	RC-G



22H0490-35 Sample Number

Sample Description AF36875 CAP-14 collected on 06/22/22 09:39

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 19:42	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 19:42	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 23:04	EPA 6020B	X	JIP	B2H1392	RC-G
Barium	0.071	0.010	mg/L	1.00	08/09/22 19:42	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	ND	0.001	mg/L	2.00	08/16/22 23:04	EPA 6020B	X	JIP	B2H1392	RC-G
Boron	ND	15	ug/L	1.00	08/09/22 19:42	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 19:42	EPA 6010D		KTH	B2H1368	RC-G
Calcium	110	2.5	mg/L	50.0	08/11/22 17:44	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.010	mg/L	2.00	08/16/22 23:04	EPA 6020B	X	JIP	B2H1392	RC-G
Cobalt	ND	0.004	mg/L	2.00	08/16/22 23:04	EPA 6020B	X	JIP	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 19:42	EPA 6010D		KTH	B2H1368	RC-G
Iron	1.5	0.050	mg/L	1.00	08/09/22 19:42	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 19:42	EPA 6010D		KTH	B2H1368	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 19:42	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	1.6	0.050	mg/L	1.00	08/09/22 19:42	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 19:42	EPA 6010D		KTH	B2H1368	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 19:42	EPA 6010D		KTH	B2H1368	RC-G
Potassium	0.56	0.10	mg/L	1.00	08/09/22 19:42	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 19:42	EPA 6010D		CAL	B2H1368	RC-G
Sodium	8.2	1.0	mg/L	10.0	08/11/22 17:48	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 19:45	EPA 6020B		JIP	B2H1392	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 19:42	EPA 6010D		KTH	B2H1368	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 15:09	EPA 6020B		JIP	B2H1455	RC-G



22H0490-36 Sample Number

Sample Description AF36872 CAP-11 collected on 06/22/22 13:57

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.19	0.050	mg/L	1.00	08/09/22 19:45	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 19:45	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 23:24	EPA 6020B	X	ЛР	B2H1392	RC-G
Barium	0.12	0.010	mg/L	1.00	08/09/22 19:45	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	0.001	0.001	mg/L	2.00	08/16/22 23:24	EPA 6020B		ЛР	B2H1392	RC-G
Boron	15	15	ug/L	1.00	08/09/22 19:45	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 19:45	EPA 6010D		KTH	B2H1368	RC-G
Calcium	16	0.50	mg/L	10.0	08/11/22 18:08	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.010	mg/L	2.00	08/16/22 23:24	EPA 6020B	X	ЛР	B2H1392	RC-G
Cobalt	0.006	0.004	mg/L	2.00	08/16/22 23:24	EPA 6020B		ЛР	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 19:45	EPA 6010D		KTH	B2H1368	RC-G
Iron	0.60	0.050	mg/L	1.00	08/09/22 19:45	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 19:45	EPA 6010D		KTH	B2H1368	RC-G
Lithium	33	10	ug/L	1.00	08/09/22 19:45	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	0.80	0.050	mg/L	1.00	08/09/22 19:45	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 19:45	EPA 6010D		KTH	B2H1368	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 19:45	EPA 6010D		KTH	B2H1368	RC-G
Potassium	0.58	0.10	mg/L	1.00	08/09/22 19:45	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 19:45	EPA 6010D		CAL	B2H1368	RC-G
Sodium	43	1.0	mg/L	10.0	08/11/22 18:08	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 19:49	EPA 6020B		ЛР	B2H1392	RC-G
Zine	0.034	0.010	mg/L	1.00	08/09/22 19:45	EPA 6010D		KTH	B2H1368	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 15:14	EPA 6020B		ЛР	B2H1455	RC-G



22H0490-37 Sample Number

Sample Description AF36862 CAP-2 collected on 06/22/22 12:02

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 19:49	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 19:49	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 23:28	EPA 6020B	X	ЛР	B2H1392	RC-G
Barium	0.045	0.010	mg/L	1.00	08/09/22 19:49	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	ND	0.001	mg/L	2.00	08/16/22 23:28	EPA 6020B	X	ЛР	B2H1392	RC-G
Boron	7800	150	ug/L	10.0	08/11/22 18:18	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 19:49	EPA 6010D		KTH	B2H1368	RC-G
Calcium	630	50	mg/L	1,000	08/11/22 19:53	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.010	mg/L	2.00	08/16/22 23:28	EPA 6020B	X	JIP	B2H1392	RC-G
Cobalt	0.011	0.004	mg/L	2.00	08/16/22 23:28	EPA 6020B		ЛР	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 19:49	EPA 6010D		KTH	B2H1368	RC-G
Iron	1.9	0.050	mg/L	1.00	08/09/22 19:49	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 19:49	EPA 6010D		KTH	B2H1368	RC-G
Lithium	19	10	ug/L	1.00	08/09/22 19:49	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	59	5.0	mg/L	100	08/11/22 18:15	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 19:49	EPA 6010D		KTH	B2H1368	RC-G
Nickel	0.013	0.010	mg/L	1.00	08/09/22 19:49	EPA 6010D		KTH	B2H1368	RC-G
Potassium	7.1	0.10	mg/L	1.00	08/09/22 19:49	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 19:49	EPA 6010D		CAL	B2H1368	RC-G
Sodium	120	10	mg/L	100	08/11/22 18:15	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.004	mg/L	2.00	08/16/22 23:28	EPA 6020B	X	ЛР	B2H1392	RC-G
Zinc	0.013	0.010	mg/L	1.00	08/09/22 19:49	EPA 6010D		KTH	B2H1368	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.010	mg/L	2.00	08/15/22 17:48	EPA 6020B	X	ЛР	B2H1455	RC-G



22H0490-38 Sample Number

Sample Description AF36874 CAP-13 collected on 06/22/22 10:27

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.22	0.050	mg/L	1.00	08/09/22 19:52	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 19:52	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 23:33	EPA 6020B	X	JIP	B2H1392	RC-G
Barium	0.10	0.010	mg/L	1.00	08/09/22 19:52	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	ND	0.001	mg/L	2.00	08/16/22 23:33	EPA 6020B	X	JIP	B2H1392	RC-G
Boron	23	15	ug/L	1.00	08/09/22 19:52	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 19:52	EPA 6010D		KTH	B2H1368	RC-G
Calcium	21	0.50	mg/L	10.0	08/11/22 18:25	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.010	mg/L	2.00	08/16/22 23:33	EPA 6020B	X	JIP	B2H1392	RC-G
Cobalt	ND	0.004	mg/L	2.00	08/16/22 23:33	EPA 6020B	X	JIP	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 19:52	EPA 6010D		KTH	B2H1368	RC-G
Iron	11	0.50	mg/L	10.0	08/11/22 18:25	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 19:52	EPA 6010D		KTH	B2H1368	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 19:52	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	0.93	0.050	mg/L	1.00	08/09/22 19:52	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 19:52	EPA 6010D		KTH	B2H1368	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 19:52	EPA 6010D		KTH	B2H1368	RC-G
Potassium	1.3	0.10	mg/L	1.00	08/09/22 19:52	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 19:52	EPA 6010D		CAL	B2H1368	RC-G
Sodium	7.0	1.0	mg/L	10.0	08/11/22 18:25	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 19:59	EPA 6020B		JIP	B2H1392	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 19:52	EPA 6010D		KTH	B2H1368	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 15:23	EPA 6020B		JIP	B2H1455	RC-G



22H0490-39 Sample Number

Sample Description AF36861 CAP-1 collected on 06/22/22 12:53

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	11	0.50	mg/L	10.0	08/11/22 18:35	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 19:56	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 23:38	EPA 6020B	X	ЛР	B2H1392	RC-G
Barium	0.020	0.010	mg/L	1.00	08/09/22 19:56	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	0.010	0.001	mg/L	2.00	08/16/22 23:38	EPA 6020B		ЛР	B2H1392	RC-G
Boron	590	15	ug/L	1.00	08/09/22 19:56	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 19:56	EPA 6010D		KTH	B2H1368	RC-G
Calcium	270	5.0	mg/L	100	08/11/22 18:32	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.010	mg/L	2.00	08/16/22 23:38	EPA 6020B	X	ЛР	B2H1392	RC-G
Cobalt	0.023	0.004	mg/L	2.00	08/16/22 23:38	EPA 6020B		ЛР	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 19:56	EPA 6010D		KTH	B2H1368	RC-G
Iron	52	5.0	mg/L	100	08/11/22 18:32	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 19:56	EPA 6010D		KTH	B2H1368	RC-G
Lithium	98	10	ug/L	1.00	08/09/22 19:56	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	8.1	0.50	mg/L	10.0	08/11/22 18:35	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 19:56	EPA 6010D		KTH	B2H1368	RC-G
Nickel	0.015	0.010	mg/L	1.00	08/09/22 19:56	EPA 6010D		KTH	B2H1368	RC-G
Potassium	0.70	0.10	mg/L	1.00	08/09/22 19:56	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 19:56	EPA 6010D		CAL	B2H1368	RC-G
Sodium	66	10	mg/L	100	08/11/22 18:32	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 20:03	EPA 6020B		ЛР	B2H1392	RC-G
Zine	0.023	0.010	mg/L	1.00	08/09/22 19:56	EPA 6010D		KTH	B2H1368	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/15/22 17:04	EPA 6020B		ЛР	B2H1456	RC-G



22H0490-40 Sample Number

Sample Description AF36871 CAP-10 collected on 06/22/22 14:45

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 20:00	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 20:00	EPA 6010D		CAL	B2H1368	
Arsenic	ND	0.010	mg/L	2.00	08/16/22 23:43	EPA 6020B	X	JIP	B2H1392	
Barium	0.085	0.010	mg/L	1.00	08/09/22 20:00	EPA 6010D		KTH	B2H1368	
Beryllium	ND	0.001	mg/L	2.00	08/16/22 23:43	EPA 6020B	X	JIP	B2H1392	
Boron	220	15	ug/L	1.00	08/09/22 20:00	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 20:00	EPA 6010D		KTH	B2H1368	RC-G
Calcium	100	5.0	mg/L	100	08/11/22 18:52	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.010	mg/L	2.00	08/16/22 23:43	EPA 6020B	X	JIP	B2H1392	RC-G
Cobalt	ND	0.004	mg/L	2.00	08/16/22 23:43	EPA 6020B	X	JIP	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 20:00	EPA 6010D		KTH	B2H1368	RC-G
Iron	1.5	0.050	mg/L	1.00	08/09/22 20:00	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 20:00	EPA 6010D		KTH	B2H1368	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 20:00	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	2.0	0.050	mg/L	1.00	08/09/22 20:00	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 20:00	EPA 6010D		KTH	B2H1368	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 20:00	EPA 6010D		KTH	B2H1368	RC-G
Potassium	1.1	0.10	mg/L	1.00	08/09/22 20:00	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 20:00	EPA 6010D		CAL	B2H1368	RC-G
Sodium	13	1.0	mg/L	10.0	08/11/22 18:55	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 20:08	EPA 6020B		JIP	B2H1392	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 20:00	EPA 6010D		KTH	B2H1368	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/15/22 17:17	EPA 6020B		JIP	B2H1456	RC-G



22H0490-41 Sample Number

Sample Description AF36869 CAP-9 collected on 06/22/22 15:40

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	21	0.25	mg/L	5.00	08/13/22 15:43	EPA 6010D		CAL	B2H1406	RC-G
Antimony	ND	0.050	mg/L	1.00	08/13/22 15:53	EPA 6010D	S1	CAL	B2H1406	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 21:07	EPA 6020B	X	ЛР	B2H1404	RC-G
Barium	0.016	0.010	mg/L	1.00	08/13/22 15:53	EPA 6010D	S 1	CAL	B2H1406	RC-G
Beryllium	0.019	0.001	mg/L	2.00	08/16/22 21:07	EPA 6020B		ЛР	B2H1404	RC-G
Boron	4500	15	ug/L	1.00	08/13/22 15:53	EPA 6010D	S1	CAL	B2H1406	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/13/22 15:53	EPA 6010D	S 1	CAL	B2H1406	RC-G
Calcium	500	25	mg/L	500	08/13/22 15:22	EPA 6010D		CAL	B2H1406	RC-G
Chromium	ND	0.010	mg/L	2.00	08/16/22 21:07	EPA 6020B	X	ЛР	B2H1404	RC-G
Cobalt	0.042	0.004	mg/L	2.00	08/16/22 21:07	EPA 6020B		ЛР	B2H1404	RC-G
Copper	0.005	0.005	mg/L	1.00	08/13/22 15:53	EPA 6010D	S1	CAL	B2H1406	RC-G
Iron	120	2.5	mg/L	50.0	08/13/22 15:33	EPA 6010D		CAL	B2H1406	RC-G
Lead	ND	0.010	mg/L	1.00	08/13/22 15:53	EPA 6010D	S1	CAL	B2H1406	RC-G
Lithium	37	10	ug/L	1.00	08/13/22 15:53	EPA 6010D	S1	CAL	B2H1406	RC-G
Magnesium	59	2.5	mg/L	50.0	08/13/22 15:33	EPA 6010D		CAL	B2H1406	RC-G
Molybdenum	ND	10	ug/L	1.00	08/13/22 15:53	EPA 6010D	S1	CAL	B2H1406	RC-G
Nickel	0.024	0.010	mg/L	1.00	08/13/22 15:53	EPA 6010D	S 1	CAL	B2H1406	RC-G
Potassium	6.9	0.20	mg/L	2.00	08/16/22 16:04	EPA 6010D		CAL	B2H1406	RC-G
Selenium	ND	0.020	mg/L	1.00	08/13/22 15:53	EPA 6010D	S1	CAL	B2H1406	RC-G
Sodium	130	5.0	mg/L	50.0	08/13/22 15:33	EPA 6010D		CAL	B2H1406	RC-G
Thallium	ND	0.001	mg/L	1.00	08/17/22 18:49	EPA 6020B		JIP	B2H1404	RC-G
Zine	0.072	0.010	mg/L	1.00	08/13/22 15:53	EPA 6010D	S1	CAL	B2H1406	RC-G
Rebatch Sample Number: 22H0490-4	41RE1									
Antimony	ND	0.050	mg/L	1.00	08/17/22 16:56	EPA 6010D	S 1	CAL	B2H1706	RC-G
Barium	0.017	0.010	mg/L	1.00	08/17/22 16:56	EPA 6010D	S1	KTH	B2H1706	RC-G
Boron	4500	15	ug/L	1.00	08/17/22 16:56	EPA 6010D	S1	KTH	B2H1706	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/17/22 16:56	EPA 6010D	S1	KTH	B2H1706	RC-G
Copper	0.010	0.005	mg/L	1.00	08/17/22 16:56	EPA 6010D	S1	KTH	B2H1706	RC-G
Lead	ND	0.010	mg/L	1.00	08/17/22 16:56	EPA 6010D	S1	KTH	B2H1706	RC-G
Lithium	38	10	ug/L	1.00	08/17/22 16:56	EPA 6010D	S1	KTH	B2H1706	RC-G
Molybdenum	ND	10	ug/L	1.00	08/17/22 16:56	EPA 6010D	S 1	KTH	B2H1706	RC-G
Nickel	0.025	0.010	mg/L	1.00	08/17/22 16:56	EPA 6010D	S1	KTH	B2H1706	RC-G
Selenium	ND	0.020	mg/L	1.00	08/17/22 16:56	EPA 6010D	S 1	CAL	B2H1706	RC-G
Zine	0.074	0.010	mg/L	1.00	08/17/22 16:56	EPA 6010D	S1	KTH	B2H1706	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.010	mg/L	2.00	08/15/22 17:52	EPA 6020B	X	ЛР	B2H1456	RC-G



22H0490-42 Sample Number

Sample Description AF36870 CAP-9 DUP collected on 06/22/22 15:45

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
		***************************************		***************************************						
Total Metals			_							
Aluminum	22	0.25	mg/L	5.00	08/13/22 16:49	EPA 6010D		CAL	B2H1406	
Antimony	ND	0.050	mg/L	1.00	08/13/22 16:56	EPA 6010D		CAL	B2H1406	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 21:12	EPA 6020B	X	JIP	B2H1404	RC-G
Barium	0.016	0.010	mg/L	1.00	08/13/22 16:56	EPA 6010D		CAL	B2H1406	RC-G
Beryllium	0.019	0.001	mg/L	2.00	08/16/22 21:12	EPA 6020B		JIP	B2H1404	RC-G
Boron	4500	15	ug/L	1.00	08/13/22 16:56	EPA 6010D		CAL	B2H1406	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/13/22 16:56	EPA 6010D		CAL	B2H1406	RC-G
Calcium	550	25	mg/L	500	08/13/22 16:35	EPA 6010D		CAL	B2H1406	RC-G
Chromium	ND	0.010	mg/L	2.00	08/16/22 21:12	EPA 6020B	X	JIP	B2H1404	RC-G
Cobalt	0.042	0.004	mg/L	2.00	08/16/22 21:12	EPA 6020B		JIP	B2H1404	RC-G
Copper	ND	0.005	mg/L	1.00	08/13/22 16:56	EPA 6010D		CAL	B2H1406	RC-G
Iron	130	2.5	mg/L	50.0	08/13/22 16:42	EPA 6010D		CAL	B2H1406	RC-G
Lead	ND	0.010	mg/L	1.00	08/13/22 16:56	EPA 6010D		CAL	B2H1406	RC-G
Lithium	38	10	ug/L	1.00	08/13/22 16:56	EPA 6010D		CAL	B2H1406	RC-G
Magnesium	62	2.5	mg/L	50.0	08/13/22 16:42	EPA 6010D		CAL	B2H1406	RC-G
Molybdenum	ND	10	ug/L	1.00	08/13/22 16:56	EPA 6010D		CAL	B2H1406	RC-G
Nickel	0.023	0.010	mg/L	1.00	08/13/22 16:56	EPA 6010D		CAL	B2H1406	RC-G
Potassium	5.9	0.10	mg/L	1.00	08/16/22 16:22	EPA 6010D		CAL	B2H1406	RC-G
Selenium	ND	0.020	mg/L	1.00	08/13/22 16:56	EPA 6010D		CAL	B2H1406	RC-G
Sodium	140	5.0	mg/L	50.0	08/13/22 16:42	EPA 6010D		CAL	B2H1406	RC-G
Thallium	ND	0.001	mg/L	1.00	08/17/22 18:54	EPA 6020B		JIP	B2H1404	RC-G
Zinc	0.076	0.010	mg/L	1.00	08/13/22 16:56	EPA 6010D		CAL	B2H1406	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.010	mg/L	2.00	08/15/22 17:57	EPA 6020B	X	JIP	B2H1456	RC-G



22H0490-43 Sample Number

Sample Description AF36868 CAP-8 collected on 06/23/22 10:05

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
	0.078	0.050	mg/L	1.00	08/13/22 17:00	EPA 6010D		CAL	B2H1406	D.C.C
Aluminum										
Antimony	ND	0.050	mg/L	1.00	08/13/22 17:00	EPA 6010D		CAL	B2H1406	
Arsenic	ND	0.010	mg/L	2.00	08/16/22 21:16	EPA 6020B	X	ЛР	B2H1404	
Barium	0.057	0.010	mg/L	1.00	08/13/22 17:00	EPA 6010D		CAL	B2H1406	
Beryllium	ND	0.001	mg/L	2.00	08/16/22 21:16	EPA 6020B	X	JIP	B2H1404	
Boron	21000	75	ug/L	5.00	08/13/22 16:52	EPA 6010D		CAL	B2H1406	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/13/22 17:00	EPA 6010D		CAL	B2H1406	RC-G
Calcium	850	25	mg/L	500	08/13/22 16:38	EPA 6010D		CAL	B2H1406	RC-G
Chromium	ND	0.010	mg/L	2.00	08/16/22 21:16	EPA 6020B	X	ЛР	B2H1404	RC-G
Cobalt	0.037	0.004	mg/L	2.00	08/16/22 21:16	EPA 6020B		ЛР	B2H1404	RC-G
Copper	ND	0.005	mg/L	1.00	08/13/22 17:00	EPA 6010D		CAL	B2H1406	RC-G
Iron	11	0.25	mg/L	5.00	08/13/22 16:52	EPA 6010D		CAL	B2H1406	RC-G
Lead	ND	0.010	mg/L	1.00	08/13/22 17:00	EPA 6010D		CAL	B2H1406	RC-G
Lithium	68	10	ug/L	1.00	08/13/22 17:00	EPA 6010D		CAL	B2H1406	RC-G
Magnesium	150	2.5	mg/L	50.0	08/13/22 16:45	EPA 6010D		CAL	B2H1406	RC-G
Molybdenum	ND	10	ug/L	1.00	08/13/22 17:00	EPA 6010D		CAL	B2H1406	RC-G
Nickel	0.019	0.010	mg/L	1.00	08/13/22 17:00	EPA 6010D		CAL	B2H1406	RC-G
Potassium	18	0.10	mg/L	1.00	08/16/22 16:26	EPA 6010D		CAL	B2H1406	RC-G
Selenium	ND	0.020	mg/L	1.00	08/13/22 17:00	EPA 6010D		CAL	B2H1406	RC-G
Sodium	170	5.0	mg/L	50.0	08/13/22 16:45	EPA 6010D		CAL	B2H1406	RC-G
Thallium	ND	0.001	mg/L	1.00	08/17/22 19:00	EPA 6020B		ЛР	B2H1404	RC-G
Zinc	ND	0.010	mg/L	1.00	08/13/22 17:00	EPA 6010D		CAL	B2H1406	RC-G
Dissolved Metals										
	ND	0.010	mg/L	2.00	08/15/22 18:15	EPA 6020B	X	ЛР	B2H1456	RC-G
Arsenic, Dissolved	ND	0.010	mg/L	2.00	08/15/22 18:15	EPA 0020B	X	JIP	B2H1456	RC-G



22H0490-44 Sample Number

Sample Description AF36867 CAP-7 collected on 06/23/22 11:16

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.14	0.050	mg/L	1.00	08/13/22 17:41	EPA 6010D		CAL	B2H1406	RC-G
Antimony	ND	0.050	mg/L	1.00	08/13/22 17:41	EPA 6010D		CAL	B2H1406	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 21:21	EPA 6020B	X	ЛР	B2H1404	RC-G
Barium	0.038	0.010	mg/L	1.00	08/13/22 17:41	EPA 6010D		CAL	B2H1406	RC-G
Beryllium	ND	0.001	mg/L	2.00	08/16/22 21:21	EPA 6020B	X	ЛР	B2H1404	RC-G
Boron	32000	750	ug/L	50.0	08/13/22 17:27	EPA 6010D		CAL	B2H1406	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/13/22 17:41	EPA 6010D		CAL	B2H1406	RC-G
Calcium	1200	25	mg/L	500	08/13/22 17:20	EPA 6010D		CAL	B2H1406	RC-G
Chromium	ND	0.010	mg/L	2.00	08/16/22 21:21	EPA 6020B	X	ЛР	B2H1404	RC-G
Cobalt	0.013	0.004	mg/L	2.00	08/16/22 21:21	EPA 6020B		JIP	B2H1404	RC-G
Copper	ND	0.005	mg/L	1.00	08/13/22 17:41	EPA 6010D		CAL	B2H1406	RC-G
Iron	230	2.5	mg/L	50.0	08/13/22 17:27	EPA 6010D		CAL	B2H1406	RC-G
Lead	ND	0.010	mg/L	1.00	08/13/22 17:41	EPA 6010D		CAL	B2H1406	RC-G
Lithium	ND	10	ug/L	1.00	08/13/22 17:41	EPA 6010D		CAL	B2H1406	RC-G
Magnesium	380	25	mg/L	500	08/13/22 17:20	EPA 6010D		CAL	B2H1406	RC-G
Molybdenum	ND	10	ug/L	1.00	08/13/22 17:41	EPA 6010D		CAL	B2H1406	RC-G
Nickel	ND	0.010	mg/L	1.00	08/13/22 17:41	EPA 6010D		CAL	B2H1406	RC-G
Potassium	29	0.10	mg/L	1.00	08/16/22 16:30	EPA 6010D		CAL	B2H1406	RC-G
Selenium	ND	0.020	mg/L	1.00	08/13/22 17:41	EPA 6010D		CAL	B2H1406	RC-G
Sodium	180	5.0	mg/L	50.0	08/13/22 17:27	EPA 6010D		CAL	B2H1406	RC-G
Thallium	ND	0.004	mg/L	2.00	08/16/22 21:21	EPA 6020B	X	ЛР	B2H1404	RC-G
Zinc	ND	0.010	mg/L	1.00	08/13/22 17:41	EPA 6010D		CAL	B2H1406	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.010	mg/L	2.00	08/16/22 22:01	EPA 6020B	X	ЛР	B2H1456	RC-G



22H0490-45 Sample Number

Sample Description AF36866 CAP-6 collected on 06/23/22 12:15

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
m-(1)**-1		***************************************		100-000						
Total Metals			week			NAMES OF ASSESSED ASSESSED				
Aluminum	ND	0.050	mg/L	1.00	08/13/22 17:45	EPA 6010D		CAL	B2H1406	
Antimony	ND	0.050	mg/L	1.00	08/13/22 17:45	EPA 6010D		CAL	B2H1406	
Arsenic	ND	0.010	mg/L	2.00	08/16/22 21:26	EPA 6020B	X	JIP	B2H1404	RC-G
Barium	0.31	0.010	mg/L	1.00	08/13/22 17:45	EPA 6010D		CAL	B2H1406	RC-G
Beryllium	ND	0.001	mg/L	2.00	08/16/22 21:26	EPA 6020B	X	JIP	B2H1404	RC-G
Boron	4200	15	ug/L	1.00	08/13/22 17:45	EPA 6010D		CAL	B2H1406	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/13/22 17:45	EPA 6010D		CAL	B2H1406	RC-G
Calcium	410	25	mg/L	500	08/13/22 17:23	EPA 6010D		CAL	B2H1406	RC-G
Chromium	ND	0.010	mg/L	2.00	08/16/22 21:26	EPA 6020B	X	JIP	B2H1404	RC-G
Cobalt	ND	0.004	mg/L	2.00	08/16/22 21:26	EPA 6020B	X	JIP	B2H1404	RC-G
Copper	ND	0.005	mg/L	1.00	08/13/22 17:45	EPA 6010D		CAL	B2H1406	RC-G
Iron	14	0.25	mg/L	5.00	08/13/22 17:37	EPA 6010D		CAL	B2H1406	RC-G
Lead	ND	0.010	mg/L	1.00	08/13/22 17:45	EPA 6010D		CAL	B2H1406	RC-G
Lithium	ND	10	ug/L	1.00	08/13/22 17:45	EPA 6010D		CAL	B2H1406	RC-G
Magnesium	13	0.25	mg/L	5.00	08/13/22 17:37	EPA 6010D		CAL	B2H1406	RC-G
Molybdenum	ND	10	ug/L	1.00	08/13/22 17:45	EPA 6010D		CAL	B2H1406	RC-G
Nickel	ND	0.010	mg/L	1.00	08/13/22 17:45	EPA 6010D		CAL	B2H1406	RC-G
Potassium	2.4	0.10	mg/L	1.00	08/16/22 16:50	EPA 6010D		CAL	B2H1406	RC-G
Selenium	ND	0.020	mg/L	1.00	08/13/22 17:45	EPA 6010D		CAL	B2H1406	RC-G
Sodium	64	5.0	mg/L	50.0	08/13/22 17:30	EPA 6010D		CAL	B2H1406	RC-G
Thallium	ND	0.001	mg/L	1.00	08/17/22 19:31	EPA 6020B		JIP	B2H1404	RC-G
Zine	ND	0.010	mg/L	1.00	08/13/22 17:45	EPA 6010D		CAL	B2H1406	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.010	mg/L	2.00	08/15/22 18:24	EPA 6020B	X	JIP	B2H1456	RC-G



22H0490-46 Sample Number

Sample Description AF36865 CAP-5 collected on 06/23/22 13:27

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	5.6	0.25	mg/L	5.00	08/13/22 18:19	EPA 6010D		CAL	B2H1406	RC-G
Antimony	ND	0.050	mg/L	1.00	08/13/22 18:26	EPA 6010D		CAL	B2H1406	
Arsenic	ND	0.010	mg/L	2.00	08/16/22 21:31	EPA 6020B	X	ЛР	B2H1404	RC-G
Barium	1.3	0.010	mg/L	1.00	08/13/22 18:26	EPA 6010D		CAL	B2H1406	RC-G
Beryllium	0.005	0.001	mg/L	2.00	08/16/22 21:31	EPA 6020B		ЛР	B2H1404	RC-G
Boron	140	15	ug/L	1.00	08/13/22 18:26	EPA 6010D		CAL	B2H1406	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/13/22 18:26	EPA 6010D		CAL	B2H1406	RC-G
Calcium	150	2.5	mg/L	50.0	08/13/22 18:12	EPA 6010D		CAL	B2H1406	RC-G
Chromium	ND	0.010	mg/L	2.00	08/16/22 21:31	EPA 6020B	X	ЛР	B2H1404	RC-G
Cobalt	0.014	0.004	mg/L	2.00	08/16/22 21:31	EPA 6020B		JIP	B2H1404	RC-G
Copper	ND	0.005	mg/L	1.00	08/13/22 18:26	EPA 6010D		CAL	B2H1406	RC-G
Iron	130	2.5	mg/L	50.0	08/13/22 18:12	EPA 6010D		CAL	B2H1406	RC-G
Lead	ND	0.010	mg/L	1.00	08/13/22 18:26	EPA 6010D		CAL	B2H1406	RC-G
Lithium	12	10	ug/L	1.00	08/13/22 18:26	EPA 6010D		CAL	B2H1406	RC-G
Magnesium	4.8	0.050	mg/L	1.00	08/13/22 18:26	EPA 6010D		CAL	B2H1406	RC-G
Molybdenum	ND	10	ug/L	1.00	08/13/22 18:26	EPA 6010D		CAL	B2H1406	RC-G
Nickel	0.017	0.010	mg/L	1.00	08/13/22 18:26	EPA 6010D		CAL	B2H1406	RC-G
Potassium	1.1	0.10	mg/L	1.00	08/16/22 16:54	EPA 6010D		CAL	B2H1406	RC-G
Selenium	ND	0.020	mg/L	1.00	08/13/22 18:26	EPA 6010D		CAL	B2H1406	RC-G
Sodium	73	5.0	mg/L	50.0	08/13/22 18:12	EPA 6010D		CAL	B2H1406	RC-G
Thallium	ND	0.001	mg/L	1.00	08/17/22 19:36	EPA 6020B		ЛР	B2H1404	RC-G
Zinc	ND	0.010	mg/L	1.00	08/13/22 18:26	EPA 6010D		CAL	B2H1406	RC-G
Dissolved Metals										
	ND	0.010	mg/L	2.00	08/15/22 18:29	EPA 6020B	X	ЛР	B2H1456	DC C
Arsenic, Dissolved	ND	0.010	mg/L	2.00	08/13/22 18:29	EPA 0020D	Λ	JIP	B2H1436	RC-G



22H0490-47 Sample Number

Sample Description AF36864 CAP-4 collected on 06/23/22 14:49

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/13/22 18:29	EPA 6010D		CAL	B2H1406	RC-G
Antimony	ND	0.050	mg/L	1.00	08/13/22 18:29	EPA 6010D		CAL	B2H1406	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 21:51	EPA 6020B	X	ЛР	B2H1404	RC-G
Barium	0.11	0.010	mg/L	1.00	08/13/22 18:29	EPA 6010D		CAL	B2H1406	RC-G
Beryllium	ND	0.001	mg/L	2.00	08/16/22 21:51	EPA 6020B	X	JIP	B2H1404	RC-G
Boron	11000	75	ug/L	5.00	08/13/22 18:22	EPA 6010D		CAL	B2H1406	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/13/22 18:29	EPA 6010D		CAL	B2H1406	RC-G
Calcium	660	25	mg/L	500	08/13/22 18:08	EPA 6010D		CAL	B2H1406	RC-G
Chromium	ND	0.010	mg/L	2.00	08/16/22 21:51	EPA 6020B	X	JIP	B2H1404	RC-G
Cobalt	ND	0.004	mg/L	2.00	08/16/22 21:51	EPA 6020B	X	JIP	B2H1404	RC-G
Copper	ND	0.005	mg/L	1.00	08/13/22 18:29	EPA 6010D		CAL	B2H1406	RC-G
Iron	13	0.25	mg/L	5.00	08/13/22 18:22	EPA 6010D		CAL	B2H1406	RC-G
Lead	ND	0.010	mg/L	1.00	08/13/22 18:29	EPA 6010D		CAL	B2H1406	RC-G
Lithium	25	10	ug/L	1.00	08/13/22 18:29	EPA 6010D		CAL	B2H1406	RC-G
Magnesium	79	2.5	mg/L	50.0	08/13/22 18:15	EPA 6010D		CAL	B2H1406	RC-G
Molybdenum	ND	10	ug/L	1.00	08/13/22 18:29	EPA 6010D		CAL	B2H1406	RC-G
Nickel	ND	0.010	mg/L	1.00	08/13/22 18:29	EPA 6010D		CAL	B2H1406	RC-G
Potassium	14	0.10	mg/L	1.00	08/16/22 16:58	EPA 6010D		CAL	B2H1406	RC-G
Selenium	ND	0.020	mg/L	1.00	08/13/22 18:29	EPA 6010D		CAL	B2H1406	RC-G
Sodium	120	5.0	mg/L	50.0	08/13/22 18:15	EPA 6010D		CAL	B2H1406	RC-G
Thallium	ND	0.001	mg/L	1.00	08/17/22 19:41	EPA 6020B		JIP	B2H1404	RC-G
Zinc	ND	0.010	mg/L	1.00	08/13/22 18:29	EPA 6010D		CAL	B2H1406	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.010	mg/L	2.00	08/16/22 22:05	EPA 6020B	X	JIP	B2H1456	RC-G



22H0490-48 Sample Number

Sample Description AF36863 CAP-3 collected on 06/23/22 16:08

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
				10-2100F	-		,=-			
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/13/22 19:00	EPA 6010D		CAL	B2H1406	RC-G
Antimony	ND	0.050	mg/L	1.00	08/13/22 19:00	EPA 6010D		CAL	B2H1406	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 21:56	EPA 6020B	X	JIP	B2H1404	RC-G
Barium	0.084	0.010	mg/L	1.00	08/13/22 19:00	EPA 6010D		CAL	B2H1406	RC-G
Beryllium	ND	0.001	mg/L	2.00	08/16/22 21:56	EPA 6020B	X	JIP	B2H1404	RC-G
Boron	6100	75	ug/L	5.00	08/13/22 18:57	EPA 6010D		CAL	B2H1406	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/13/22 19:00	EPA 6010D		CAL	B2H1406	RC-G
Calcium	560	25	mg/L	500	08/13/22 18:50	EPA 6010D		CAL	B2H1406	RC-G
Chromium	ND	0.010	mg/L	2.00	08/16/22 21:56	EPA 6020B	X	JIP	B2H1404	RC-G
Cobalt	0.030	0.004	mg/L	2.00	08/16/22 21:56	EPA 6020B		JIP	B2H1404	RC-G
Copper	ND	0.005	mg/L	1.00	08/13/22 19:00	EPA 6010D		CAL	B2H1406	RC-G
Iron	1.2	0.050	mg/L	1.00	08/13/22 19:00	EPA 6010D		CAL	B2H1406	RC-G
Lead	ND	0.010	mg/L	1.00	08/13/22 19:00	EPA 6010D		CAL	B2H1406	RC-G
Lithium	10	10	ug/L	1.00	08/13/22 19:00	EPA 6010D		CAL	B2H1406	RC-G
Magnesium	58	2.5	mg/L	50.0	08/13/22 18:53	EPA 6010D		CAL	B2H1406	RC-G
Molybdenum	ND	10	ug/L	1.00	08/13/22 19:00	EPA 6010D		CAL	B2H1406	RC-G
Nickel	0.015	0.010	mg/L	1.00	08/13/22 19:00	EPA 6010D		CAL	B2H1406	RC-G
Potassium	6.1	0.10	mg/L	1.00	08/16/22 17:01	EPA 6010D		CAL	B2H1406	RC-G
Selenium	ND	0.020	mg/L	1.00	08/13/22 19:00	EPA 6010D		CAL	B2H1406	RC-G
Sodium	81	5.0	mg/L	50.0	08/13/22 18:53	EPA 6010D		CAL	B2H1406	RC-G
Thallium	ND	0.001	mg/L	1.00	08/17/22 19:46	EPA 6020B		ЛР	B2H1404	RC-G
Zinc	0.023	0.010	mg/L	1.00	08/13/22 19:00	EPA 6010D		CAL	B2H1406	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.010	mg/L	2.00	08/16/22 22:10	EPA 6020B	X	ЛР	B2H1456	RC-G



Total Metals Quality Control Summary

	Reporting				Source		%REC		RPD		
Parameter	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Flags	Lab

Batch B2H1367 - EPA 3005A

Aluminum	ND	0.050	mg/L				RC-C
Antimony	ND	0.050	mg/L				RC-C
Barium	ND	0.010	mg/L				RC-C
Boron	ND	15	ug/L				RC-C
Cadmium	ND	0.004	mg/L				RC-G
Calcium	ND	0.050	mg/L				RC-0
Copper	ND	0.010	mg/L				RC-0
on	ND	0.050	mg/L				RC-0
ead	ND	0.010	mg/L				RC-0
ithium	ND	10	ug/L				RC-0
fagnesium	ND	0.050	mg/L				RC-C
folybdenum	ND	10	ug/L				RC-G
fickel	ND	0.010	mg/L				RC-C
otassium	ND	0.10	mg/L				RC-C
elenium	ND	0.020	mg/L				RC-C
odium	ND	0.10	mg/L				RC-C
inc	ND	0.010	mg/L				RC-G
CS (B2H1367-BS1)							
luminum	0.48	0.050	mg/L	0.500	97	80-120	RC-C
ntimony	0.52	0.050	mg/L	0.500	104	80-120	RC-0
arium	0.49	0.010	mg/L	0.500	99	80-120	RC-C
oron	490	15	ug/L	500	98	80-120	RC-C
admium	0.48	0.004	mg/L	0.500	97	80-120	RC-0
alcium	0.50	0.050	mg/L	0.500	101	80-120	RC-C
Copper	0.49	0.010	mg/L	0.500	99	80-120	RC-C
on	0.49	0.050	mg/L	0.500	97	80-120	RC-C
ead	0.49	0.010	mg/L	0.500	98	80-120	RC-C
ithium	480	10	ug/L	500	96	80-120	RC-C
fagnesium	0.49	0.050	mg/L	0.500	97	80-120	RC-C
Iolybdenum	480	10	ug/L	500	95	80-120	RC-G
ickel	0.49	0.010	mg/L	0.500	98	80-120	RC-0
otassium	5.2	0.10	mg/L	5.00	104	80-120	RC-C
elenium	0.47	0.020	mg/L	0.500	94	80-120	RC-C
odium	0.49	0.10	mg/L	0.500	98	80-120	RC-C

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Total Metals Quality Control Summary

		Reporting		Spike	Source		%REC		RPD		
Parameter	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Flags	Lab

Batch B2H1367 - EPA 3005A

Matrix Spike (B2H1367-MS1)	Source: 221	H0490-01							
Aluminum	0.48	0.050	mg/L	0.500	ND	90	75-125		RC-G
Antimony	0.46	0.050	mg/L	0.500	ND	92	75-125		RC-G
Barium	0.51	0.010	mg/L	0.500	0.087	86	75-125		RC-G
Boron	460	15	ug/L	500	22	88	75-125		RC-G
Cadmium	0.42	0.004	mg/L	0.500	ND	84	75-125		RC-G
Calcium	130	0.050	mg/L	0.500	310	NR	75-125	S3	RC-G
Copper	0.45	0.010	mg/L	0.500	ND	89	75-125		RC-G
Iron	0.86	0.050	mg/L	0.500	0.42	87	75-125		RC-G
Lead	0.41	0.010	mg/L	0.500	ND	82	75-125		RC-G
Lithium	537	10	ug/L	500	13	105	75-125		RC-G
Magnesium	5.8	0.050	mg/L	0.500	5.8	16	75-125	S3	RC-G
Molybdenum	420	10	ug/L	500	ND	84	75-125		RC-G
Nickel	0.42	0.010	mg/L	0.500	0.012	82	75-125		RC-G
Potassium	11	0.10	mg/L	5.00	4.9	117	75-125		RC-G
Selenium	0.41	0.020	mg/L	0.500	ND	82	75-125		RC-G
Sodium	59	0.10	mg/L	0.500	89	NR	75-125	S3	RC-G
Zinc	0.42	0.010	mg/L	0.500	ND	83	75-125		RC-G
Matrix Spike (B2H1367-MS2)	Source: 22I	10490-02							
Aluminum	0.59	0.050	mg/L	0.500	0.068	105	75-125		RC-G
Antimony	0.53	0.050	mg/L	0.500	ND	106	75-125		RC-G
Barium	0.55	0.010	mg/L	0.500	0.058	99	75-125		RC-G
Boron	550	15	ug/L	500	44	102	75-125		RC-G
Cadmium	0.49	0.004	mg/L	0.500	ND	98	75-125		RC-G
Calcium	180	0.050	mg/L	0.500	470	NR	75-125	S3	RC-G
Copper	0.52	0.010	mg/L	0.500	ND	105	75-125		RC-G
Iron	12	0.050	mg/L	0.500	13	NR	75-125	S3	RC-G
Lead	0.48	0.010	mg/L	0.500	ND	96	75-125		RC-G
Lithium	604	10	ug/L	500	ND	119	75-125		RC-G
Magnesium	8.1	0.050	mg/L	0.500	8.8	NR	75-125	S3	RC-G
Molybdenum	490	10	ug/L	500	ND	98	75-125		RC-G
Nickel	0.48	0.010	mg/L	0.500	ND	95	75-125		RC-G
Potassium	8.4	0.10	mg/L	5.00	1.7	133	75-125	S1	RC-G
Selenium	0.47	0.020	mg/L	0.500	ND	95	75-125		RC-G
Sodium	57	0.10	mg/L	0.500	69	NR	75-125	S3	RC-G
Zinc	0.47	0.010	mg/L	0.500	ND	94	75-125		RC-G

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Santee Cooper 1 Riverwood Dr. Moncks Corner, SC 29461

Ground Water Project: Work Order: 22H0490 Reported: 08/31/22 17:43

Total Metals Quality Control Summary

		Reporting		Spike	Source		%REC		RPD		
Parameter	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Flags	Lab

T . 1	DATE	2/5	TITE A	3005A
Ratch	K 1 H I	46. /	HUA	
Dalle	1)4111	JU / -		200.77

Matrix Spike Dup (B2H1367-MSD1)	Source: 221	H0490-01									
Aluminum	0.47	0.050	mg/L	0.500	ND	88	75-125	2	20		RC-G
Antimony	0.46	0.050	mg/L	0.500	ND	92	75-125	0.2	20		RC-G
Barium	0.52	0.010	mg/L	0.500	0.087	86	75-125	0.4	20		RC-G
Boron	470	15	ug/L	500	22	89	75-125	0.8	20		RC-G
Cadmium	0.42	0.004	mg/L	0.500	ND	85	75-125	0.7	20		RC-G
Calcium	130	0.050	mg/L	0.500	310	NR	75-125	0.9	20	S3	RC-G
Copper	0.45	0.010	mg/L	0.500	ND	90	75-125	0.7	20		RC-G
Iron	0.88	0.050	mg/L	0.500	0.42	91	75-125	2	20		RC-G
Lead	0.41	0.010	mg/L	0.500	ND	83	75-125	0.7	20		RC-G
Lithium	533	10	ug/L	500	13	104	75-125	0.7	20		RC-G
Magnesium	5.8	0.050	mg/L	0.500	5.8	7	75-125	0.7	20	S3	RC-G
Molybdenum	420	10	ug/L	500	ND	85	75-125	1	20		RC-G
Nickel	0.43	0.010	mg/L	0.500	0.012	83	75-125	1	20		RC-G
Potassium	11	0.10	mg/L	5.00	4.9	117	75-125	0.2	20		RC-G
Selenium	0.42	0.020	mg/L	0.500	ND	84	75-125	1	20		RC-G
Sodium	59	0.10	mg/L	0.500	89	NR	75-125	1	20	S3	RC-G
Zinc	0.43	0.010	mg/L	0.500	ND	85	75-125	2	20		RC-G
Matrix Spike Dup (B2H1367-MSD2)	Source: 221	H0490-02									
Aluminum	0.60	0.050	mg/L	0.500	0.068	106	75-125	1	20		RC-G
Antimony	0.52	0.050	mg/L	0.500	ND	104	75-125	1	20		RC-G
Barium	0.54	0.010	mg/L	0.500	0.058	96	75-125	3	20		RC-G
Boron	540	15	ug/L	500	44	99	75-125	3	20		RC-G
Cadmium	0.48	0.004	mg/L	0.500	ND	95	75-125	3	20		RC-G
Calcium	180	0.050	mg/L	0.500	470	NR	75-125	2	20	S3	RC-G
Copper	0.51	0.010	mg/L	0.500	ND	102	75-125	3	20		RC-G
Iron	12	0.050	mg/L	0.500	13	NR	75-125	3	20	S3	RC-G
Lead	0.46	0.010	mg/L	0.500	ND	93	75-125	4	20		RC-G
Lithium	582	10	ug/L	500	ND	115	75-125	4	20		RC-G
Magnesium	7.8	0.050	mg/L	0.500	8.8	NR	75-125	3	20	S3	RC-G
Molybdenum	480	10	ug/L	500	ND	96	75-125	2	20		RC-G
Nickel	0.46	0.010	mg/L	0.500	ND	93	75-125	2	20		RC-G
Potassium	8.3	0.10	mg/L	5.00	1.7	133	75-125	0.4	20	S1	RC-G
Selenium	0.47	0.020	mg/L	0.500	ND	94	75-125	0.6	20		RC-G
Sodium	56	0.10	mg/L	0.500	69	NR	75-125	3	20	S3	RC-G
Zinc	0.46	0.010	mg/L	0.500	ND	91	75-125	2	20		RC-G



Total Metals Quality Control Summary

]	Reporting		Spike	Source		%REC		RPD		
Parameter	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Flags	Lab

Batch B2H1368 - EPA 3005A

Aluminum	ND	0.050	mg/L				RC-C
Antimony	ND	0.050	mg/L				RC-C
Barium	ND	0.010	mg/L				RC-C
Boron	ND	15	ug/L				RC-C
Cadmium	ND	0.004	mg/L				RC-C
Calcium	ND	0.050	mg/L				RC-C
Copper	ND	0.010	mg/L				RC-C
ron	ND	0.050	mg/L				RC-C
ead	ND	0.010	mg/L				RC-C
ithium	ND	10	ug/L				RC-C
Magnesium	ND	0.050	mg/L				RC-C
Molybdenum	ND	10	ug/L				RC-C
Vickel	ND	0.010	mg/L				RC-C
Potassium	ND	0.10	mg/L				RC-C
elenium	ND	0.020	mg/L				RC-C
odium	ND	0.10	mg/L				RC-C
Zinc	ND	0.010	mg/L				RC-C
LCS (B2H1368-BS1)							
Aluminum	0.47	0.050	mg/L	0.500	94	80-120	RC-0
Antimony	0.50	0.050	mg/L	0.500	99	80-120	RC-C
Barium	0.48	0.010	mg/L	0.500	96	80-120	RC-C
Boron	470	15	ug/L	500	95	80-120	RC-C
Cadmium	0.47	0.004	mg/L	0.500	94	80-120	RC-C
Calcium	0.49	0.050	mg/L	0.500	99	80-120	RC-C
Copper	0.48	0.010	mg/L	0.500	95	80-120	RC-C
ron	0.47	0.050	mg/L	0.500	94	80-120	RC-C
Lead	0.48	0.010	mg/L	0.500	95	80-120	RC-C
ithium	486	10	ug/L	500	97	80-120	RC-C
Magnesium	0.47	0.050	mg/L	0.500	94	80-120	RC-C
Molybdenum	460	10	ug/L	500	93	80-120	RC-C
Jickel	0.47	0.010	mg/L	0.500	94	80-120	RC-C
Potassium	5.1	0.10	mg/L	5.00	101	80-120	RC-C
elenium	0.46	0.020	mg/L	0.500	92	80-120	RC-C
Sodium	0.48	0.10	mg/L	0.500	95	80-120	RC-C

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Santee Cooper Project: Ground Water
1 Riverwood Dr. Work Order: 22H0490
Moncks Corner, SC 29461 Reported: 08/31/22 17:43

Total Metals **Quality Control Summary**

		Reporting		Spike	Source		%REC		RPD		
Parameter	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Flags	Lab

Batch B2H1368 - EPA 3005A

Matrix Spike (B2H1368-MS1)	Source: 22F	10490-21							
Aluminum	0.53	0.050	mg/L	0.500	ND	101	75-125		RC-G
Antimony	0.54	0.050	mg/L	0.500	ND	109	75-125		RC-G
Barium	0.67	0.010	mg/L	0.500	0.17	101	75-125		RC-G
Boron	540	15	ug/L	500	26	103	75-125		RC-G
Cadmium	0.50	0.004	mg/L	0.500	ND	100	75-125		RC-G
Calcium	55	0.050	mg/L	0.500	89	NR	75-125	S3	RC-G
Copper	0.52	0.010	mg/L	0.500	ND	103	75-125		RC-G
ron	3.3	0.050	mg/L	0.500	2.8	92	75-125		RC-G
ead	0.50	0.010	mg/L	0.500	ND	101	75-125		RC-G
ithium	511	10	ug/L	500	ND	102	75-125		RC-G
Magnesium	2.9	0.050	mg/L	0.500	2.5	87	75-125		RC-G
Molybdenum	500	10	ug/L	500	ND	101	75-125		RC-G
Jickel	0.50	0.010	mg/L	0.500	ND	100	75-125		RC-G
otassium	6.7	0.10	mg/L	5.00	0.98	114	75-125		RC-G
elenium	0.48	0.020	mg/L	0.500	ND	97	75-125		RC-G
odium	13	0.10	mg/L	0.500	15	NR	75-125	\$3	RC-G
line	0.50	0.010	mg/L	0.500	ND	100	75-125		RC-G
Matrix Spike (B2H1368-MS2)	Source: 22I	10490-22							
Matrix Spike (B2H1368-MS2)	Source: 22H	0.050	mg/L	0.500	ND	101	75-125		RC-G
Matrix Spike (B2H1368-MS2)					10 - 74 salari 197	**************************************	75-125 75-125		RC-G
Matrix Spike (B2H1368-MS2) Aluminum Antimony	0.52	0.050	mg/L	0.500	ND	101			
Matrix Spike (B2H1368-MS2) Aluminum Antimony Barium	0.52 0.53	0.050 0.050	mg/L mg/L	0.500 0.500	ND ND	101 106	75-125		RC-G
Matrix Spike (B2H1368-MS2) Aluminum Antimony Barium Boron	0.52 0.53 0.66	0.050 0.050 0.010	mg/L mg/L mg/L	0.500 0.500 0.500	ND ND 0.16	101 106 100	75-125 75-125		RC-G RC-G
Matrix Spike (B2H1368-MS2) Aluminum Antimony Barium Boron Cadmium	0.52 0.53 0.66 530	0.050 0.050 0.010 15	mg/L mg/L mg/L ug/L	0.500 0.500 0.500 500	ND ND 0.16 25	101 106 100 101	75-125 75-125 75-125	\$3	RC-G RC-G
	0.52 0.53 0.66 530 0.49	0.050 0.050 0.010 15 0.004	mg/L mg/L mg/L ug/L mg/L	0.500 0.500 0.500 500 0.500	ND ND 0.16 25 ND	101 106 100 101 98	75-125 75-125 75-125 75-125	\$3	RC-G RC-G RC-G
Matrix Spike (B2H1368-MS2) Aluminum Antimony Barium Boron Cadmium Calcium Copper	0.52 0.53 0.66 530 0.49	0.050 0.050 0.010 15 0.004 0.050	mg/L mg/L mg/L ug/L mg/L mg/L	0.500 0.500 0.500 500 0.500 0.500	ND ND 0.16 25 ND 85	101 106 100 101 98 NR	75-125 75-125 75-125 75-125 75-125	83	RC-G RC-G RC-G RC-G
Matrix Spike (B2H1368-MS2) Aluminum Antimony Barium Boron Cadmium Calcium Copper	0.52 0.53 0.66 530 0.49 55	0.050 0.050 0.010 15 0.004 0.050 0.010	mg/L mg/L mg/L ug/L mg/L mg/L mg/L	0.500 0.500 0.500 500 0.500 0.500 0.500	ND ND 0.16 25 ND 85 ND	101 106 100 101 98 NR 102	75-125 75-125 75-125 75-125 75-125 75-125	83	RC-G RC-G RC-G RC-G RC-G
Matrix Spike (B2H1368-MS2) Aluminum Antimony Barium Boron Cadmium Copper ron Gead	0.52 0.53 0.66 530 0.49 55 0.51 3.1	0.050 0.050 0.010 15 0.004 0.050 0.010	mg/L mg/L ug/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.500 0.500 0.500 500 0.500 0.500 0.500	ND ND 0.16 25 ND 85 ND 2.6	101 106 100 101 98 NR 102	75-125 75-125 75-125 75-125 75-125 75-125 75-125	83	RC-G RC-G RC-G RC-G RC-G RC-G
Matrix Spike (B2H1368-MS2) Soluminum Soron Soluminum So	0.52 0.53 0.66 530 0.49 55 0.51 3.1 0.49	0.050 0.050 0.010 15 0.004 0.050 0.010	mg/L mg/L ug/L ug/L mg/L mg/L mg/L mg/L	0.500 0.500 0.500 500 0.500 0.500 0.500 0.500	ND ND 0.16 25 ND 85 ND 2.6 ND	101 106 100 101 98 NR 102 101	75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125	\$3	RC-G RC-G RC-G RC-G RC-G RC-G
Adatrix Spike (B2H1368-MS2) Adminum Antimony Barium Boron Badmium Bopper Bon Bead Bithium Bagnesium	0.52 0.53 0.66 530 0.49 55 0.51 3.1 0.49 520	0.050 0.050 0.010 15 0.004 0.050 0.010 0.050 0.010	mg/L mg/L ug/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L m	0.500 0.500 0.500 500 0.500 0.500 0.500 0.500 0.500	ND ND 0.16 25 ND 85 ND 2.6 ND	101 106 100 101 98 NR 102 101 98 104	75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125	83	RC-G RC-G RC-G RC-G RC-G RC-G RC-G
Matrix Spike (B2H1368-MS2) Aluminum Antimony Barium Boron Cadmium Calcium	0.52 0.53 0.66 530 0.49 55 0.51 3.1 0.49 520 2.9	0.050 0.050 0.010 15 0.004 0.050 0.010 0.050 0.010 10 0.050	mg/L mg/L ug/L mg/L mg/L mg/L mg/L mg/L mg/L ug/L	0.500 0.500 0.500 500 0.500 0.500 0.500 0.500 500	ND ND 0.16 25 ND 85 ND 2.6 ND ND	101 106 100 101 98 NR 102 101 98 104	75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125	\$3	RC-G RC-G RC-G RC-G RC-G RC-G RC-G RC-G
Matrix Spike (B2H1368-MS2) Aluminum Antimony Barium Boron Cadmium Calcium Copper ron Lead Lithium Magnesium Molybdenum Nickel	0.52 0.53 0.66 530 0.49 55 0.51 3.1 0.49 520 2.9	0.050 0.050 0.010 15 0.004 0.050 0.010 0.050 0.010 10 0.050 10	mg/L mg/L ug/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L ug/L ug/L ug/L	0.500 0.500 0.500 500 0.500 0.500 0.500 0.500 500	ND ND 0.16 25 ND 85 ND 2.6 ND ND ND 2.4 ND	101 106 100 101 98 NR 102 101 98 104 96	75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125	\$3	RC-G RC-G RC-G RC-G RC-G RC-G RC-G RC-G
Matrix Spike (B2H1368-MS2) Aluminum Antimony Barium Boron Cadmium Calcium Copper ron Lead Lithium Magnesium Molybdenum Vickel Potassium	0.52 0.53 0.66 530 0.49 55 0.51 3.1 0.49 520 2.9 500 0.49	0.050 0.050 0.010 15 0.004 0.050 0.010 10 0.050 10 0.010	mg/L mg/L ug/L mg/L mg/L mg/L mg/L mg/L mg/L ug/L mg/L ug/L mg/L ug/L mg/L ug/L	0.500 0.500 0.500 500 0.500 0.500 0.500 0.500 500	ND ND 0.16 25 ND 85 ND 2.6 ND ND ND 2.4 ND ND	101 106 100 101 98 NR 102 101 98 104 96 99	75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125	\$3	RC-G RC-G RC-G RC-G RC-G RC-G RC-G RC-G
Matrix Spike (B2H1368-MS2) Aluminum Antimony Barium Boron Cadmium Calcium Copper ron Lead Lithium Magnesium Molybdenum	0.52 0.53 0.66 530 0.49 55 0.51 3.1 0.49 520 2.9 500 0.49 6.6	0.050 0.050 0.010 15 0.004 0.050 0.010 10 0.050 10 0.050 10 0.010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.500 0.500 0.500 500 0.500 0.500 0.500 0.500 500	ND ND 0.16 25 ND 85 ND 2.6 ND ND 2.4 ND ND 0.95	101 106 100 101 98 NR 102 101 98 104 96 99	75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125	S3	RC-G RC-G RC-G RC-G RC-G RC-G RC-G RC-G

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Santee Cooper 1 Riverwood Dr. Moncks Corner, SC 29461 Project: Work Order: Ground Water

Reported:

22H0490 08/31/22 17:43

Total Metals Quality Control Summary

]	Reporting		Spike	Source		%REC		RPD		
Parameter	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Flags	Lab

Batch	B2H1368	- EPA	3005A
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Matrix Spike Dup (B2H1368-MSD1)	Source: 221	H0490-21									
Aluminum	0.52	0.050	mg/L	0.500	ND	101	75-125	0.5	20		RC-G
Antimony	0.53	0.050	mg/L	0.500	ND	106	75-125	3	20		RC-G
Barium	0.67	0.010	mg/L	0.500	0.17	100	75-125	0.4	20		RC-G
Boron	530	15	ug/L	500	26	102	75-125	1	20		RC-G
Cadmium	0.49	0.004	mg/L	0.500	ND	99	75-125	1	20		RC-G
Calcium	55	0.050	mg/L	0.500	89	NR	75-125	1	20	S3	RC-G
Copper	0.51	0.010	mg/L	0.500	ND	102	75-125	1	20		RC-G
Iron	3.3	0.050	mg/L	0.500	2.8	95	75-125	0.5	20		RC-G
Lead	0.49	0.010	mg/L	0.500	ND	99	75-125	2	20		RC-G
Lithium	526	10	ug/L	500	ND	105	75-125	3	20		RC-G
Magnesium	3.0	0.050	mg/L	0.500	2.5	91	75-125	0.7	20		RC-G
Molybdenum	500	10	ug/L	500	ND	100	75-125	0.5	20		RC-G
Nickel	0.49	0.010	mg/L	0.500	ND	98	75-125	2	20		RC-G
Potassium	6.6	0.10	mg/L	5.00	0.98	113	75-125	0.4	20		RC-G
Selenium	0.48	0.020	mg/L	0.500	ND	97	75-125	0.1	20		RC-G
Sodium	13	0.10	mg/L	0.500	15	NR	75-125	0.5	20	S3	RC-G
Zinc	0.50	0.010	mg/L	0.500	ND	99	75-125	1	20		RC-G
Matrix Spike Dup (B2H1368-MSD2)	Source: 221	H0490-22									
Aluminum	0.50	0.050	mg/L	0.500	ND	96	75-125	5	20		RC-G
Antimony	0.51	0.050	mg/L	0.500	ND	101	75-125	5	20		RC-G
Barium	0.63	0.010	mg/L	0.500	0.16	95	75-125	4	20		RC-G
Boron	510	15	ug/L	500	25	98	75-125	4	20		RC-G
Cadmium	0.47	0.004	mg/L	0.500	ND	94	75-125	4	20		RC-G
Calcium	54	0.050	mg/L	0.500	85	NR	75-125	2	20	S3	RC-G
Copper	0.49	0.010	mg/L	0.500	ND	98	75-125	4	20		RC-G
Iron	3.0	0.050	mg/L	0.500	2.6	84	75-125	3	20		RC-G
Lead	0.47	0.010	mg/L	0.500	ND	95	75-125	4	20		RC-G
Lithium	502	10	ug/L	500	ND	100	75-125	4	20		RC-G
Magnesium	2.8	0.050	mg/L	0.500	2.4	81	75-125	3	20		RC-G
Molybdenum	480	10	ug/L	500	ND	96	75-125	3	20		RC-G
Nickel	0.47	0.010	mg/L	0.500	ND	93	75-125	5	20		RC-G
Potassium	6.3	0.10	mg/L	5.00	0.95	108	75-125	4	20		RC-G
Selenium	0.46	0.020	mg/L	0.500	ND	92	75-125	4	20		RC-G
Sodium	13	0.10	mg/L	0.500	14	NR	75-125	2	20	S3	RC-G
Zine	0.47	0.010	mg/L	0.500	ND	95	75-125	5	20		RC-G



Santee Cooper 1 Riverwood Dr. Moncks Corner, SC 29461

Parameter

Project: Work Order:

Source

Result

Ground Water 22H0490

Reported:

%REC

08/31/22 17:43

RPD

RPD

Limit

Flags

Lab

%REC

Limits

Total Metals Quality Control Summary

Spike

Level

Reporting

Limit

Units

Result

Source: 22H0490-05 0.223

0.169

0.185

0.182

0.171

0.005

0.0005

0.005

0.001

0.001

Blank (B2H1391-BLK1)								
Arsenic	ND	0.005	mg/L					RC-G
Beryllium	ND	0.0005	mg/L					RC-G
Chromium	ND	0.005	mg/L					RC-G
Cobalt	ND	0.001	mg/L					RC-G
Thallium	ND	0.001	mg/L					RC-G
LCS (B2H1391-BS1)								
Arsenic	0.209	0.005	mg/L	0.200		105	80-120	RC-G
Beryllium	0.194	0.0005	mg/L	0.200		97	80-120	RC-G
Chromium	0.207	0.005	mg/L	0.200		103	80-120	RC-G
Cobalt	0.207	0.001	mg/L	0.200		104	80-120	RC-G
Thallium	0.197	0.001	mg/L	0.200		98	80-120	RC-G
Matrix Spike (B2H1391-MS1)	Source: 221	H0490-05						
Arsenic	0.218	0.005	mg/L	0.200	ND	108	75-125	RC-G
Beryllium	0.167	0.0005	mg/L	0.200	ND	83	75-125	RC-G
Chromium	0.183	0.005	mg/L	0.200	ND	92	75-125	RC-G
Cobalt	0.180	0.001	mg/L	0.200	0.002	89	75-125	RC-G
Thallium	0.168	0.001	mg/L	0.200	ND	84	75-125	RC-G
Matrix Spike (B2H1391-MS2)	Source: 221	H0490-08						
Arsenic	0.233	0.005	mg/L	0.200	ND	116	75-125	RC-G
Beryllium	0.177	0.0005	mg/L	0.200	ND	88	75-125	RC-G
Chromium	0.196	0.005	mg/L	0.200	ND	98	75-125	RC-G
Cobalt	0.200	0.001	mg/L	0.200	0.008	96	75-125	RC-G
Thallium	0.186	0.001	mg/L	0.200	ND	93	75-125	RC-G

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0.200

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75-125

75-125

75-125

75-125

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2

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20

20

20

20

Matrix Spike Dup (B2H1391-MSD1)

Arsenic

Beryllium

Chromium

Cobalt

Thallium

RC-G

RC-G

RC-G

RC-G

RC-G



Total Metals Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags	Lab
Batch B2H1391 - EPA 3005A	A Mod										
Matrix Spike Dup (B2H1391-MSD2)	Source: 221	H0490-08									
Arsenic	0.229	0.005	mg/L	0.200	ND	114	75-125	2	20		RC-G
Beryllium	0.174	0.0005	mg/L	0.200	ND	87	75-125	1	20		RC-G
Chromium	0.191	0.005	mg/L	0.200	ND	95	75-125	3	20		RC-G
Cobalt	0.195	0.001	mg/L	0.200	0.008	93	75-125	2	20		RC-G
Thallium	0.183	0.001	mg/L	0.200	ND	91	75-125	2	20		RC-G
Batch B2H1392 - EPA 3005A	A Mod										
Blank (B2H1392-BLK1)											
Arsenic	ND	0.005	mg/L								RC-G
Beryllium	ND	0.0005	mg/L								RC-G
Chromium	ND	0.005	mg/L								RC-G
Cobalt	ND	0.001	mg/L								RC-G
Thallium	ND	0.001	mg/L								RC-G
LCS (B2H1392-BS1)											
Arsenic	0.204	0.005	mg/L	0.200		102	80-120				RC-G
Beryllium	0.199	0.0005	mg/L	0.200		99	80-120				RC-G
Chromium	0.203	0.005	mg/L	0.200		101	80-120				RC-G
Cobalt	0.204	0.001	mg/L	0.200		102	80-120				RC-G
Thallium	0.194	0.001	mg/L	0.200		97	80-120				RC-G
Matrix Spike (B2H1392-MS1)	Source: 221	H0490- 2 4									
Arsenic	0.207	0.005	mg/L	0.200	ND	103	75-125				RC-G
Thallium	0.191	0.001	mg/L	0.200	ND	96	75-125				RC-G
Matrix Spike (B2H1392-MS2)	Source: 221	H0490-25									
Arsenic	0.210	0.005	mg/L	0.200	ND	103	75-125				RC-G
Beryllium	0.175	0.0005	mg/L	0.200	ND	88	75-125				RC-G
Chromium	0.187	0.005	mg/L	0.200	ND	94	75-125				RC-G
Cobalt	0.184	0.001	mg/L	0.200	ND	92	75-125				RC-G
Thallium	0.192	0.001	mg/L	0.200	ND	96	75-125				RC-C



Project:

Ground Water

Work Order: Reported:

22H0490 08/31/22 17:43

Total Metals Quality Control Summary

]	Reporting		Spike	Source		%REC		RPD		
Parameter	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Flags	Lab

Batch B2H1392 - EPA 3005A Mod

Matrix Spike Dup (B2H1392-MSD1)	Source: 22]	H0490-24								
Arsenic	0.214	0.005	mg/L	0.200	ND	107	75-125	3	20	RC-G
Thallium	0.197	0.001	mg/L	0.200	ND	99	75-125	3	20	RC-G
Matrix Spike Dup (B2H1392-MSD2)	Source: 22]	H0490-25								
Arsenic	0.211	0.005	mg/L	0.200	ND	104	75-125	0.4	20	RC-G
Beryllium	0.178	0.0005	mg/L	0.200	ND	89	75-125	2	20	RC-G
Chromium	0.188	0.005	mg/L	0.200	ND	94	75-125	0.5	20	RC-G
Cobalt	0.186	0.001	mg/L	0.200	ND	93	75-125	0.6	20	RC-G
Thallium	0.190	0.001	mg/L	0.200	ND	95	75-125	1	20	RC-G

Batch B2H1404 - EPA 3005A Mod

Dimin (DZIII 10 I DZIKI)								
Arsenic	ND	0.005	mg/L					RC-C
Beryllium	ND	0.0005	mg/L					RC-C
Chromium	ND	0.005	mg/L					RC-C
Cobalt	ND	0.001	mg/L					RC-G
Thallium	ND	0.001	mg/L					RC-G
LCS (B2H1404-BS1)								
Arsenic	0.207	0.005	mg/L	0.200		104	80-120	RC-G
Beryllium	0.205	0.0005	mg/L	0.200		103	80-120	RC-
Chromium	0.209	0.005	mg/L	0.200		104	80-120	RC-G
Cobalt	0.209	0.001	mg/L	0.200		104	80-120	RC-G
Thallium	0.206	0.001	mg/L	0.200		103	80-120	RC-6
Matrix Spike (B2H1404-MS1)	Source: 22I	H0291-02R	E1					
Arsenic	0.216	0.005	mg/L	0.200	ND	108	75-125	RC-G
Beryllium	0.177	0.0005	mg/L	0.200	0.0005	88	75-125	RC-
Chromium	0.185	0.005	mg/L	0.200	0.005	90	75-125	RC-
Cobalt	0.182	0.001	mg/L	0.200	0.005	88	75-125	RC-
Thallium	0.182	0.001	mg/L	0.200	ND	91	75-125	RC-

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Santee Cooper Project: Ground Water
1 Riverwood Dr. Work Order: 22H0490
Moncks Corner, SC 29461 Reported: 08/31/22 17:43

Total Metals **Quality Control Summary**

	Reporting		Spike	Source		%REC		RPD		
Parameter	Result Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Flags	Lab

Batch B2H1404 - EPA 3005A Mod

Matrix Spike (B2H1404-MS2)	Source: 221	H0461-02								
Arsenic	0.201	0.005	mg/L	0.200	ND	100	75-125			RC-G
Beryllium	0.201	0.0005	mg/L	0.200	ND	100	75-125			RC-G
Chromium	0.207	0.005	mg/L	0.200	ND	102	75-125			RC-G
Cobalt	0.205	0.001	mg/L	0.200	ND	103	75-125			RC-G
Γhallium	0.204	0.001	mg/L	0.200	ND	102	75-125			RC-G
Matrix Spike Dup (B2H1404-MSD1)	Source: 22I	H0291-02R	E1							
Arsenic	0.217	0.005	mg/L	0.200	ND	108	75-125	0.4	20	RC-G
Beryllium	0.177	0.0005	mg/L	0.200	0.0005	88	75-125	0.1	20	RC-G
Chromium	0.182	0.005	mg/L	0.200	0.005	89	75-125	2	20	RC-G
Cobalt	0.180	0.001	mg/L	0.200	0.005	88	75-125	0.9	20	RC-G
Γhallium	0.181	0.001	mg/L	0.200	ND	90	75-125	0.5	20	RC-G
Matrix Spike Dup (B2H1404-MSD2)	Source: 22I	H0461-02								
Arsenic	0.214	0.005	mg/L	0.200	ND	106	75-125	6	20	RC-G
Beryllium	0.210	0.0005	mg/L	0.200	ND	105	75-125	4	20	RC-G
Chromium	0.216	0.005	mg/L	0.200	ND	107	75-125	4	20	RC-G
Cobalt	0.215	0.001	mg/L	0.200	ND	108	75-125	5	20	RC-G
Thallium	0.216	0.001	mg/L	0.200	ND	108	75-125	5	20	RC-G

Batch B2H1406 - EPA 3005A

Blank (B2H1406-BLK1)

Aluminum	ND 0.050	mg/L	RC-G
Antimony	ND 0.050	mg/L	RC-G
Barium	ND 0.010	m mg/L	RC-G
Boron	ND 15	ug/L	RC-G
Cadmium	ND 0.004	mg/L	RC-G
Calcium	ND 0.050	mg/L	RC-G
Copper	ND 0.005	${ m mg/L}$	RC-G
Iron	ND 0.050	mg/L	RC-G
Lead	ND 0.010	m mg/L	RC-G
Lithium	ND 10	ug/L	RC-G
Magnesium	ND 0.050	${ m mg/L}$	RC-G
Molybdenum	ND 10	ug/L	RC-G
Nickel	ND 0.010	mg/L	RC-G

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Santee Cooper Project: Ground Water
1 Riverwood Dr. Work Order: 22H0490
Moncks Corner, SC 29461 Reported: 08/31/22 17:43

Total Metals **Quality Control Summary**

	I	Reporting		Spike	Source		%REC		RPD		
Parameter	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Flags	Lab

Batch B2H1406 - EPA 3005	A								
Blank (B2H1406-BLK1)									
Potassium	ND	0.10	mg/L						RC-G
Selenium	ND	0.020	mg/L						RC-G
Sodium	ND	0.10	mg/L						RC-G
Zinc	ND	0.010	mg/L						RC-G
LCS (B2H1406-BS1)									
luminum	0.49	0.050	mg/L	0.500		98	80-120		RC-G
Antimony	0.51	0.050	mg/L	0.500		102	80-120		RC-G
Barium	0.49	0.010	mg/L	0.500		98	80-120		RC-G
Boron	490	15	ug/L	500		98	80-120		RC-G
Cadmium	0.48	0.004	mg/L	0.500		97	80-120		RC-G
Calcium	0.50	0.050	mg/L	0.500		99	80-120		RC-G
Copper	0.50	0.005	mg/L	0.500		100	80-120		RC-C
ron	0.48	0.050	mg/L	0.500		97	80-120		RC-C
ead	0.49	0.010	mg/L	0.500		98	80-120		RC-G
ithium	476	10	ug/L	500		95	80-120		RC-C
Magnesium	0.49	0.050	mg/L	0.500		97	80-120		RC-C
Molybdenum	490	10	ug/L	500		98	80-120		RC-C
Jickel	0.49	0.010	mg/L	0.500		98	80-120		RC-C
otassium	5.6	0.10	mg/L	5.00		113	80-120		RC-G
elenium	0.48	0.020	mg/L	0.500		96	80-120		RC-G
odium	0.48	0.10	mg/L	0.500		97	80-120		RC-G
Zinc	0.49	0.010	mg/L	0.500		98	80-120		RC-G
Matrix Spike (B2H1406-MS1)	Source: 22I	10490-41							
luminum	15	0.050	mg/L	0.500	21	NR	75-125	S 5	RC-G
antimony	0.26	0.050	mg/L	0.500	ND	51	75-125	S1	RC-G
Barium	0.27	0.010	mg/L	0.500	0.016	50	75-125	S1	RC-G
Boron	4800	15	ug/L	500	4500	65	75-125	S1	RC-G
Cadmium	0.25	0.004	mg/L	0.500	ND	51	75-125	S1	RC-C
'alcium	100	0.050	mg/L	0.500	500	NR	75-125	S5	RC-G
Copper	0.28	0.005	mg/L	0.500	0.005	55	75-125	S1	RC-G
ron	59	0.050	mg/L	0.500	120	NR	75-125	S5	RC-G
ead	0.24	0.010	mg/L	0.500	ND	49	75-125	S1	RC-G
ithium	355	10	ug/L	500	37	64	75-125	S1	RC-G
	555								

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Project: Work Order: Ground Water 22H0490

Work Order: Reported:

08/31/22 17:43

Total Metals **Quality Control Summary**

]	Reporting		Spike	Source		%REC		RPD		
Parameter	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Flags	Lab

Batch B2H1406 - EPA 3005A

Matrix Spike (B2H1406-MS1)	Source: 22I	I0490-41									
Molybdenum	250	10	ug/L	500	ND	51	75-125			S1	RC-G
Nickel	0.26	0.010	mg/L	0.500	0.024	48	75-125			S1	RC-G
Potassium	19	0.20	mg/L	5.00	6.9	248	75-125			S4	RC-G
Selenium	0.24	0.020	mg/L	0.500	ND	47	75-125			S1	RC-G
Sodium	ND	0.10	mg/L	0.500	130	NR	75-125			S5	RC-G
Zinc	0.31	0.010	mg/L	0.500	0.072	47	75-125			S1	RC-G
Matrix Spike Dup (B2H1406-MSD1)	Source: 22I	H0490-41									
Aluminum	14	0.050	mg/L	0.500	21	NR	75-125	2	20	S5	RC-G
Antimony	0.26	0.050	mg/L	0.500	ND	53	75-125	3	20	S1	RC-G
Barium	0.27	0.010	mg/L	0.500	0.016	51	75-125	2	20	S1	RC-G
Boron	4700	15	ug/L	500	4500	51	75-125	1	20	S1	RC-G
Cadmium	0.26	0.004	mg/L	0.500	ND	52	75-125	2	20	S1	RC-G
Calcium	100	0.050	mg/L	0.500	500	NR	75-125	0.9	20	S5	RC-G
Copper	0.28	0.005	mg/L	0.500	0.005	56	75-125	1	20	S1	RC-G
Iron	58	0.050	mg/L	0.500	120	NR	75-125	1	20	S5	RC-G
Lead	0.25	0.010	mg/L	0.500	ND	50	75-125	3	20	S1	RC-G
Lithium	370	10	ug/L	500	37	67	75-125	4	20	S1	RC-G
Magnesium	20	0.050	mg/L	0.500	59	NR	75-125	0.5	20	S5	RC-G
Molybdenum	260	10	ug/L	500	ND	52	75-125	3	20	S1	RC-G
Nickel	0.27	0.010	mg/L	0.500	0.024	49	75-125	2	20	S1	RC-G
Potassium	19	0.20	mg/L	5.00	6.9	243	75-125	1	20	S4	RC-G
Selenium	0.25	0.020	mg/L	0.500	ND	49	75-125	4	20	S1	RC-G
Sodium	ND	0.10	mg/L	0.500	130	NR	75-125		20	S5	RC-G
Zinc	0.31	0.010	mg/L	0.500	0.072	48	75-125	2	20	S1	RC-G

Batch B2H1456 - EPA 3005A Mod

Blank (B2H1456-BLK1)							
Arsenic	ND	0.005	mg/L				RC-G
Thallium	ND	0.002	mg/L				RC-G
LCS (B2H1456-BS1)							
Arsenic	0.212	0.005	mg/L	0.200	106	80-120	RC-G
Thallium	0.210	0.002	mg/L	0.200	105	80-120	RC-G

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Santee Cooper Ground Water Project: 1 Riverwood Dr. Work Order: 22H0490 Moncks Corner, SC 29461 08/31/22 17:43 Reported:

Total Metals Quality Control Summary

	Reporting			Spike	Source		%REC		RPD		
Parameter	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Flags	Lab
Batch B2H1456 - EPA 3005A	Mod										
Matrix Spike (B2H1456-MS2)	Source: 22I	10490-40									
Arsenic	0.211	0.005	mg/L	0.200	0.005	103	75-125				RC-G
Thallium	0.204	0.002	mg/L	0.200	ND	102	75-125				RC-G
Matrix Spike Dup (B2H1456-MSD2)	Source: 22I	10490-40									
Arsenic	0.210	0.005	mg/L	0.200	0.005	103	75-125	0.5	20		RC-G
Thallium	0.202	0.002	mg/L	0.200	ND	101	75-125	1	20		RC-G
Batch B2H1706 - EPA 3005A											
Blank (B2H1706-BLK1)											
Antimony	ND	0.050	mg/L								RC-G
Barium	ND	0.010	mg/L								RC-G
Cadmium	ND	0.004	mg/L								RC-G
Copper	ND	0.005	mg/L								RC-G
Lead	ND	0.010	mg/L								RC-C
Lithium	ND	10	ug/L								RC-G
Molybdenum	ND	10	ug/L								RC-G
Nickel	ND	0.010	mg/L								RC-G
Potassium	ND	0.10	mg/L								RC-G
Selenium	ND	0.020	mg/L								RC-G
Zinc	ND	0.010	mg/L								RC-G
LCS (B2H1706-BS1)											
Antimony	0.54	0.050	mg/L	0.500		107	80-120				RC-G
Barium	0.52	0.010	mg/L	0.500		103	80-120				RC-G
Cadmium	0.51	0.004	mg/L	0.500		101	80-120				RC-G
Соррег	0.50	0.005	mg/L	0.500		100	80-120				RC-G
Lead	0.51	0.010	mg/L	0.500		103	80-120				RC-C
Lithium	502	10	ug/L	500		100	80-120				RC-C
Molybdenum	510	10	ug/L	500		101	80-120				RC-C
Nickel	0.51	0.010	mg/L	0.500		101	80-120				RC-C
Potassium	5.6	0.10	mg/L	5.00		111	80-120				RC-C
Selenium	0.49	0.020	mg/L	0.500		98	80-120				RC-C
Zinc	0.52	0.010	mg/L	0.500		104	80-120				RC-C

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Project:

Ground Water

Work Order: Reported: 22H0490 08/31/22 17:43

Total Metals **Quality Control Summary**

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags	Lab
Batch B2H1706 - EPA 3005A											
Matrix Spike (B2H1706-MS2)	Source: 22I	I0490-02RE	21								
Potassium	9.0	0.10	mg/L	5.00	1.9	140	75-125			S1	RC-G
Matrix Spike (B2H1706-MS5)	Source: 22I	I0490-41RE	21								
Antimony	0.28	0.050	mg/L	0.500	ND	57	75-125			S1	RC-G
Barium Barium	0.29	0.010	mg/L	0.500	0.017	55	75-125			S1	RC-G
Cadmium	0.27	0.004	mg/L	0.500	ND	55	75-125			S1	RC-G
Copper	0.30	0.005	mg/L	0.500	0.010	59	75-125			S1	RC-G
Lead	0.27	0.010	mg/L	0.500	ND	53	75-125			S1	RC-G
Lithium	393	10	ug/L	500	38	71	75-125			S1	RC-G
Molybdenum	270	10	ug/L	500	ND	55	75-125			S1	RC-G
Nickel	0.29	0.010	mg/L	0.500	0.025	52	75-125			S1	RC-G
Selenium	0.25	0.020	mg/L	0.500	ND	51	75-125			S1	RC-G
Zinc	0.34	0.010	mg/L	0.500	0.074	52	75-125			S1	RC-G
Matrix Spike Dup (B2H1706-MSD2)	Source: 22I	I0490-02RE	21								
Potassium	8.7	0.10	mg/L	5.00	1.9	135	75-125	3	20	S1	RC-G
Matrix Spike Dup (B2H1706-MSD5)	Source: 22I	I0490-41RE	21								
Antimony	0.29	0.050	mg/L	0.500	ND	58	75-125	2	20	S1	RC-G
Barium Ba	0.29	0.010	mg/L	0.500	0.017	56	75-125	0.3	20	S1	RC-G
Cadmium	0.28	0.004	mg/L	0.500	ND	55	75-125	0.2	20	S1	RC-G
Copper	0.30	0.005	mg/L	0.500	0.010	58	75-125	0.4	20	S1	RC-G
Lead	0.27	0.010	mg/L	0.500	ND	53	75-125	0.4	20	S1	RC-G
Lithium	394	10	ug/L	500	38	71	75-125	0.2	20	S1	RC-G
Molybdenum	280	10	ug/L	500	ND	55	75-125	1	20	S1	RC-G
Nickel	0.28	0.010	mg/L	0.500	0.025	52	75-125	0.2	20	S1	RC-G
Selenium	0.25	0.020	mg/L	0.500	ND	51	75-125	0.3	20	S1	RC-G
Zinc	0.34	0.010	mg/L	0.500	0.074	53	75-125	0.3	20	S1	RC-G
	Mod										
Batch B2H1735 - EPA 3005A	MIUU										
Batch B2H1735 - EPA 3005A Blank (B2H1735-BLK1)	14104										

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0.005

0.001

mg/L

mg/L

ND

ND

Chromium

Cobalt

RC-G

RC-G



Parameter

Cobalt

Project: Work Order: Ground Water 22H0490

%REC

Limits

75-125

Work Order: 2 Reported: 0

%REC

08/31/22 17:43

RPD

RPD

Limit

20

Flags

Lab

RC-G

Total Metals **Quality Control Summary**

Spike

Level

Units

Source

Result

Reporting

Limit

0.010

0.192

Result

LCS (B2H1735-BS1)										
Beryllium	0.201	0.002	mg/L	0.200		100	80-120			RC-G
Chromium	0.208	0.005	mg/L	0.200		104	80-120			RC-G
Cobalt	0.208	0.001	mg/L	0.200		104	80-120			RC-G
Matrix Spike (B2H1735-MS1)	Source: 22I	10490-24								
Beryllium	0.196	0.002	mg/L	0.200	ND	98	75-125			RC-G
Chromium	0.195	0.010	mg/L	0.200	ND	97	75-125			RC-G
Cobalt	0.194	0.010	mg/L	0.200	ND	97	75-125			RC-C
Matrix Spike Dup (B2H1735-MSD1)	Source: 22I	10490-24								
Beryllium	0.194	0.002	mg/L	0.200	ND	97	75-125	0.8	20	RC-G
Chromium	0.193	0.010	mg/L	0.200	ND	97	75-125	0.6	20	RC-G

0.200

mg/L

ND

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Project:

Ground Water

Work Order: Reported: 22H0490 08/31/22 17:43

Dissolved Metals **Quality Control Summary**

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags	Lab
Batch B2H1455 - EPA 3005A	Mod										
Blank (B2H1455-BLK1)											
Arsenic, Dissolved	ND	0.005	mg/L								RC-C
LCS (B2H1455-BS1)											
Arsenic, Dissolved	0.200	0.005	mg/L	0.200		100	80-120				RC-C
Matrix Spike (B2H1455-MS1)	Source: 22I	10490-01									
Arsenic, Dissolved	0.217	0.005	mg/L	0.200	ND	109	75-125				RC-C
Matrix Spike (B2H1455-MS2)	Source: 22I	H0490-02									
Arsenic, Dissolved	0.228	0.005	mg/L	0.200	ND	113	75-125				RC-0
Matrix Spike Dup (B2H1455-MSD1)	Source: 22I	H0490-01									
Arsenic, Dissolved	0.218	0.005	mg/L	0.200	ND	109	75-125	0.4	20		RC-C
Matrix Spike Dup (B2H1455-MSD2)	Source: 22I	10490-02									
Arsenic, Dissolved	0.227	0.005	mg/L	0.200	ND	113	75-125	0.4	20		RC-C
Batch B2H1456 - EPA 3005A	Mod										
Blank (B2H1456-BLK1)											
Arsenic, Dissolved	ND	0.005	mg/L								RC-C
LCS (B2H1456-BS1)											
Arsenic, Dissolved	0.212	0.005	mg/L	0.200		106	80-120				RC-C
Matrix Spike (B2H1456-MS1)	Source: 22I	10490-39									
Arsenic, Dissolved	0.204	0.005	mg/L	0.200	ND	101	75-125				RC-C
Matrix Spike (B2H1456-MS2)	Source: 22I	10490-40									
Arsenic, Dissolved	0.211	0.005	mg/L	0.200	0.005	103	75-125				RC-0
Matrix Spike Dup (B2H1456-MSD1)	Source: 22I	10490-39									
Arsenic, Dissolved	0.210	0.005	mg/L	0.200	ND	105	75-125	3	20		RC-0

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 Santee Cooper
 Project:
 Ground Water

 1 Riverwood Dr.
 Work Order:
 22H0490

 Moncks Corner, SC 29461
 Reported:
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 17:43

Dissolved Metals **Quality Control Summary**

	Reporting Result Limit Units			Spike	Source		%REC		RPD		
Parameter	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Flags	Lab

Batch B2H1456 - EPA 3005A Mod

Matrix Spike Dup (B2H1456-MSD2)	Source: 22H0490-40								
Arsenic, Dissolved	0.210 0.005	mg/L	0.200	0.005	103	75-125	0.5	20	RC-G



 Santee Cooper
 Project:
 Ground Water

 1 Riverwood Dr.
 Work Order:
 22H0490

 Moncks Corner, SC 29461
 Reported:
 08/31/22 17:43

Sample Preparation Data

Parameter	Batch	Sample ID	Prepared	Analyst	
EPA 3005A ICP Digestion					
EPA 3005A	B2H1367	22H0490-01	08/09/2022 08:56	KTH	
EPA 3005A	B2H1367	22H0490-02	08/09/2022 08:56	CAL	
EPA 3005A	B2H1706	22H0490-02RE1	08/15/2022 13:49	EDM	
EPA 3005A	B2H1367	22H0490-03	08/09/2022 08:56	KTH	
EPA 3005A	B2H1367	22H0490-04	08/09/2022 08:56	KTH	
EPA 3005A	B2H1367	22H0490-05	08/09/2022 08:56	KTH	
EPA 3005A	B2H1367	22H0490-06	08/09/2022 08:56	KTH	
EPA 3005A	B2H1367	22H0490-07	08/09/2022 08:56	KTH	
EPA 3005A	B2H1367	22H0490-08	08/09/2022 08:56	KTH	
EPA 3005A	B2H1367	22H0490-09	08/09/2022 08:56	KTH	
EPA 3005A	B2H1367	22H0490-10	08/09/2022 08:56	KTH	
EPA 3005A	B2H1367	22H0490-11	08/09/2022 08:56	KTH	
EPA 3005A	B2H1367	22H0490-12	08/09/2022 08:56	KTH	
EPA 3005A	B2H1367	22H0490-13	08/09/2022 08:56	KTH	
EPA 3005A	B2H1367	22H0490-14	08/09/2022 08:56	CAL	
EPA 3005A	B2H1367	22H0490-15	08/09/2022 08:56	CAL	
EPA 3005A	B2H1367	22H0490-16	08/09/2022 08:56	KTH	
EPA 3005A	B2H1367	22H0490-17	08/09/2022 08:56	KTH	
EPA 3005A	B2H1367	22H0490-18	08/09/2022 08:56	KTH	
EPA 3005A	B2H1367	22H0490-19	08/09/2022 08:56	KTH	
EPA 3005A	B2H1367	22H0490-20	08/09/2022 08:56	KTH	
EPA 3005A	B2H1368	22H0490-21	08/09/2022 08:56	KTH	
EPA 3005A	B2H1368	22H0490-22	08/09/2022 08:56	KTH	
EPA 3005A	B2H1368	22H0490-23	08/09/2022 08:56	KTH	
EPA 3005A	B2H1368	22H0490-24	08/09/2022 08:56	KTH	
EPA 3005A	B2H1368	22H0490-25	08/09/2022 08:56	KTH	
EPA 3005A	B2H1368	22H0490-26	08/09/2022 08:56	KTH	
EPA 3005A	B2H1368	22H0490-27	08/09/2022 08:56	KTH	
EPA 3005A	B2H1368	22H0490-28	08/09/2022 08:56	KTH	
EPA 3005A	B2H1368	22H0490-29	08/09/2022 08:56	KTH	
EPA 3005A	B2H1368	22H0490-30	08/09/2022 08:56	CAL	
EPA 3005A	B2H1368	22H0490-31	08/09/2022 08:56	KTH	
EPA 3005A	B2H1368	22H0490-32	08/09/2022 08:56	KTH	
EPA 3005A	B2H1368	22H0490-33	08/09/2022 08:56	KTH	
EPA 3005A	B2H1368	22H0490-34	08/09/2022 08:56	CAL	
EPA 3005A	B2H1368	22H0490-35	08/09/2022 08:56	KTH	
EPA 3005A	B2H1368	22H0490-36	08/09/2022 08:56	KTH	

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Santee Cooper 1 Riverwood Dr. Moncks Corner, SC 29461			Project: Work Order: Reported:	Ground Water 22H0490 08/31/22 17:43	
EPA 3005A	B2H1368	22H0490-37	08/09/2022 08:	.56 KTH	
EPA 3005A EPA 3005A	B2H1368	22H0490-38	08/09/2022 08:		
EPA 3005A	B2H1368	22H0490-39	08/09/2022 08:		
EPA 3005A	B2H1368	22H0490-40	08/09/2022 08:		
EPA 3005A	B2H1406	22H0490-41	08/09/2022 15:		
EPA 3005A	B2H1706	22H0490-41RE1	08/15/2022 13:		
EPA 3005A	B2H1406	22H0490-42	08/09/2022 15:		
EPA 3005A	B2H1406	22H0490-43	08/09/2022 15:		
EPA 3005A	B2H1406	22H0490-44	08/09/2022 15:		
EPA 3005A	B2H1406	22H0490-45	08/09/2022 15:	21 CAL	
EPA 3005A	B2H1406	22H0490-46	08/09/2022 15:	21 KTH	
EPA 3005A	B2H1406	22H0490-47	08/09/2022 15:	21 KTH	
EPA 3005A	B2H1406	22H0490-48	08/09/2022 15:	21 KTH	



Santee Cooper Project: Ground Water 1 Riverwood Dr. Work Order: 22H0490 Moncks Corner, SC 29461 08/31/22 17:43 Reported:

ALABARAN ORGONOAN I MANAGANA ALABANA A				
EPA 3005A ICPMS Digestion				
EPA 3005A Mod	B2H1391	22H0490-01	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1455	22H0490-01	08/10/2022 08:49	CAL
EPA 3005A Mod	B2H1391	22H0490-02	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1455	22H0490-02	08/10/2022 08:49	CAL
EPA 3005A Mod	B2H1391	22H0490-03	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1455	22H0490-03	08/10/2022 08:49	CAL
EPA 3005A Mod	B2H1391	22H0490-04	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1455	22H0490-04	08/10/2022 08:49	CAL
EPA 3005A Mod	B2H1391	22H0490-05	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1455	22H0490-05	08/10/2022 08:49	CAL
EPA 3005A Mod	B2H1391	22H0490-06	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1455	22H0490-06	08/10/2022 08:49	CAL
EPA 3005A Mod	B2H1391	22H0490-07	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1455	22H0490-07	08/10/2022 08:49	CAL
EPA 3005A Mod	B2H1391	22H0490-08	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1455	22H0490-08	08/10/2022 08:49	CAL
EPA 3005A Mod	B2H1391	22H0490-09	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1455	22H0490-09	08/10/2022 08:49	CAL
EPA 3005A Mod	B2H1391	22H0490-10	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1455	22H0490-10	08/10/2022 08:49	CAL
EPA 3005A Mod	B2H1391	22H0490-11	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1455	22H0490-11	08/10/2022 08:49	CAL
EPA 3005A Mod	B2H1391	22H0490-12	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1455	22H0490-12	08/10/2022 08:49	CAL
EPA 3005A Mod	B2H1391	22H0490-13	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1455	22H0490-13	08/10/2022 08:49	CAL
EPA 3005A Mod	B2H1391	22H0490-14	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1391	22H0490-15	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1391	22H0490-16	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1391	22H0490-17	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1391	22H0490-18	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1391	22H0490-19	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1391	22H0490-20	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1392	22H0490-21	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1392	22H0490-22	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1392	22H0490-23	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1392	22H0490-24	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1455	22H0490-24	08/10/2022 08:49	CAL
EPA 3005A Mod	B2H1735	22H0490-24	08/16/2022 14:46	EDM
EPA 3005A Mod	B2H1392	22H0490-25	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1455	22H0490-25	08/10/2022 08:49	CAL

PO Box 5655 | Greenville, SC 29606 | 426 Fairforest Way | Greenville, SC 29607 | main 864.232.1556 | fax 864.232.6140 rogersandcallcott.com an employee-owned company



Santee Cooper			Project:	Ground V	Water	
1 Riverwood Dr.			Work Order:	22H0490		
Moncks Corner, SC 29461			Reported:	08/31/22		
			L			
EPA 3005A Mod	B2H1735	22H0490-25RE1	08/16/2022 14	1:46	EDM	
EPA 3005A Mod	B2H1392	22H0490-26	08/09/2022 13	3:12	CAL	
EPA 3005A Mod	B2H1392	22H0490-27	08/09/2022 13	3:12	CAL	
EPA 3005A Mod	B2H1392	22H0490-28	08/09/2022 13	3:12	CAL	
EPA 3005A Mod	B2H1392	22H0490-29	08/09/2022 13	3:12	CAL	
EPA 3005A Mod	B2H1392	22H0490-30	08/09/2022 13	3:12	CAL	
EPA 3005A Mod	B2H1392	22H0490-31	08/09/2022 13	3:12	CAL	
EPA 3005A Mod	B2H1392	22H0490-32	08/09/2022 13	3:12	CAL	
EPA 3005A Mod	B2H1392	22H0490-33	08/09/2022 13	3:12	CAL	
EPA 3005A Mod	B2H1392	22H0490-34	08/09/2022 13	3:12	CAL	
EPA 3005A Mod	B2H1455	22H0490-34	08/10/2022 08	3:49	CAL	
EPA 3005A Mod	B2H1392	22H0490-35	08/09/2022 13	3:12	CAL	
EPA 3005A Mod	B2H1455	22H0490-35	08/10/2022 08	3:49	CAL	
EPA 3005A Mod	B2H1392	22H0490-36	08/09/2022 13	3:12	CAL	
EPA 3005A Mod	B2H1455	22H0490-36	08/10/2022 08	3:49	CAL	
EPA 3005A Mod	B2H1392	22H0490-37	08/09/2022 13	3:12	CAL	
EPA 3005A Mod	B2H1455	22H0490-37	08/10/2022 08	3:49	CAL	
EPA 3005A Mod	B2H1392	22H0490-38	08/09/2022 13	3:12	CAL	
EPA 3005A Mod	B2H1455	22H0490-38	08/10/2022 08	3:49	CAL	
EPA 3005A Mod	B2H1392	22H0490-39	08/09/2022 13	3:12	CAL	
EPA 3005A Mod	B2H1456	22H0490-39	08/10/2022 08	8:49	CAL	
EPA 3005A Mod	B2H1392	22H0490-40	08/09/2022 13	3:12	CAL	
EPA 3005A Mod	B2H1456	22H0490-40	08/10/2022 08	3:49	CAL	
EPA 3005A Mod	B2H1404	22H0490-41	08/09/2022 15	5:21	KTH	
EPA 3005A Mod	B2H1456	22H0490-41	08/10/2022 08	3:49	CAL	
EPA 3005A Mod	B2H1404	22H0490-42	08/09/2022 15	5:21	KTH	
EPA 3005A Mod	B2H1456	22H0490-42	08/10/2022 08	3:49	CAL	
EPA 3005A Mod	B2H1404	22H0490-43	08/09/2022 15	5:21	KTH	
EPA 3005A Mod	B2H1456	22H0490-43	08/10/2022 08	3:49	CAL	
EPA 3005A Mod	B2H1404	22H0490-44	08/09/2022 15	5:21	KTH	
EPA 3005A Mod	B2H1456	22H0490-44	08/10/2022 08	3:49	CAL	
EPA 3005A Mod	B2H1404	22H0490-45	08/09/2022 15	5:21	KTH	
EPA 3005A Mod	B2H1456	22H0490-45	08/10/2022 08	3:49	CAL	
EPA 3005A Mod	B2H1404	22H0490-46	08/09/2022 15	5:21	KTH	
EPA 3005A Mod	B2H1456	22H0490-46	08/10/2022 08	3:49	CAL	
EPA 3005A Mod	B2H1404	22H0490-47	08/09/2022 15	5:21	KTH	
EPA 3005A Mod	B2H1456	22H0490-47	08/10/2022 08	3:49	CAL	
EPA 3005A Mod	B2H1404	22H0490-48	08/09/2022 15	5:21	KTH	
EPA 3005A Mod	B2H1456	22H0490-48	08/10/2022 08	3:49	CAL	

PO Box 5655 | Greenville, SC 29606 | 426 Fairforest Way | Greenville, SC 29607 | main 864.232.1556 | fax 864.232.6140 rogersandcallcott.com an employee-owned company



Analyte NOT DETECTED at or above the reporting limit

 Santee Cooper
 Project:
 Ground Water

 1 Riverwood Dr.
 Work Order:
 22H0490

 Moncks Corner, SC 29461
 Reported:
 08/31/22 17:43

Data Qualifiers and Definitions

NR	Not reported
RPD	Relative Percent Difference
S1	The matrix spike and / or the matrix spike duplicate sample recovery was not within control limits due to matrix interference. The Laboratory Control Sample (LCS) was within control limits.
S3	Estimated value - the spike result exceeded the calibration range. The spike recovery was not evaluated against the control limits.
S4	The spike was diluted out due to the sample concentration. The spike recovery was not evaluated against the control limits.
S5	The raw sample concentration was greater than four times the spike concentration. The spike recovery was not evaluated against the control limits.
X	Result subject to sample matrix interference. Reporting limit has been adjusted where applicable.

Laboratory Reference:

ND

RC-G = Rogers and Callcott, 426 Fairforest Way, Greenville, SC 29607 / SC Lab ID 23105 RC-C = Rogers and Callcott, 215B Stoneridge Drive, Columbia, SC 29210 / SC Lab ID 40572

Chain of Custody



Santee Cooper One Riverwood Drive Moneks Corner, SC 29461 Phone: (843)761-8000 Ext. 5148 Fax: (843)761-4175

	LCWILL			ort Recipio	ent: ooper.com	Date I	Results N	eeded I	by:	125		•		Unit #: 8. € ○] . [Rerun request for any flagger 1 36500 Yes No					
3.0				<u>C</u>			,											Inalysis	s Group	
	Labworks (Internal u only)	-		pple Location	n/	Collection Date	Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass-G/Plastic-P)	Grab (G) or Composite (C)	Matrix(see below)	Preservative (see		thod # corting lin sc. sample y other no	info	TOTAL METAUS	DISSOUVED AS		
	AF3690	03	Pos	2-4		6/28/22	135	DEW	2	P	G	GW	2	PLEAS	E SE	E ATTACHED	×	×		
	9	105	Poq	4-6		1	322	1	1	1	1	1	1	SHEET	FOR R	LS.	×	×		
	9	106	Pos	2-7			[44]										х	×		
1		707		2-7 DUF	,	1	1446	1									×	×		
	AF 3685		aF	-{B- {	-	6/27/22	0926										×	×		
-	80			HB-I DU	P	1	0931										×	×		
İ	89			1B-2			1055										×	x	1	
6	80		aF	HB-3			1144		$\dagger \uparrow$							TELEVI	×	x		
1		18		FIB-4			1253										×	×	1	
,		79		(B-5			1348	1		1	1	1					×	×		
	Relinquis	hed by:		Employee#	Date	Time	Recei	red by:	E	mployee	#	Date		Time	Sampl	le Receiving (Internal			n	
ľ	Maron			35594	8/4/22	1500	you V					16/2	2	lito		P(°C): 24.8	Initia	: 1		
	Relinquis			Employee#	Date	Time	Recei	red by:	E	Employee #				Time		ct pH: Yes No	3			
	Relinquis	hed by:		Employee#	Date	Time	Receiv	red by:	E	mployee	#	Date	Tatalan S	Time	Fresci	valive Loin.				
F	-								20,50		3/19/50		1153001		Date/	Time/Init for presen	vative:			
1			ETA	LS (all)	Nuti	rients	MI	SC.		Gv	psun	0		Coal		Flyash	100	Oil		
-	□ Ag ✓ Al	Ø F		ØSb ØSe	ОТО	-	BTEX		E	Wallbe	ard		0	Ultimate		□ Ammonia		ns. Oil	Qual.	
-	Ø As	ØK		□ Sn	D DO	C TPO4	□ Napthal □ THM/H			Gyp belo	sum(o.	II .	1	□ % Mois	ture	☐ LOI ☐ % Carbon	1	Must olor	ure	
	D/B	ZL		□ Sr	O NH	The County of th	DVOC			U Al	M			☐ Ash ☐ Sulfur	AND DESCRIPTION OF THE PARTY OF		SA	cidity	Strength	
-	ØBa	ZM	-	□ Ti	DF		□ Oil & G □ E. Coli	rease		DTO	C tal meta	Is		□ BTUs		Analysis	- 原用	FF		
-	₽ Be		State and	Ø'TI	D NO		☐ Total Co	oliform	18	D So	uble M	etals-		□ Volatile	Matter	☐ Sieve ☐ % Moisture		dissolve ed Oil	ed Gases	
-	⊭ Be	ZM		□ V	□ Br		□ pH □ Dissolve		- 8		ity (Cal Moistur		10000	ther Tests:		L 70 MUSICALE	⊕ F	lashpoi	int	
-	∠Cd ∠Cd	Ø N		ZZn	D NO		☐ Dissolve			□ Sul □ pH			No. of Concession, Name of Street, or other Designation, Name of Street, or other Designation, Name of Street, Original Property and Name of Stree	XRF Scan		NPDES	TO N	As Cd.	n oil Cr.Ni.Ph	
-	Ø Co	ZN		□ Hg	13.50		□ Rad 228		1	OCh	lorides			Fineness		☐ Oil & Grease ☐ As	1	lg) X		
L	ØCr	Z PI		□ CrVI	COLUMN TWO IS NOT THE OWNER.		□ PCB			☐ Par ☐ Sulfur	ticle Si	ZE	1	Particulate M	aner	D TSS		FER		

Chain of Custody



Santee Cooper One Riverwood Drive Moneks Corner, SC 29461 Phone: (843)761-8000 Ext. 5148 Fax: (843)761-4175

Custome		Report Recipie			esults N		y:	125		oject/		Unit #:	1 36!	Rerun request		ny flag	ged Q0
CCVVIC		@santeed	ooper.com					120	115	1 4101	08.6	01-1]_56	<u>→∞</u> Yes	No	nalvsis	Group
Labworks (Internal anly)	A STATE OF THE PARTY OF THE PAR	Sample Location Description	m/	Collection Date	Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass-G/Plastic-P)	Grab (G) or Composite (C)	Matrix(see below)	Preservative (see below)	Rep Miss	Com hod # orting lin c. sample other no	info	TOTAL METALS		
AF369	00	CLAB- 50		6/27/22	1447	DEN	2	P	G	GW	2	PLEASE		LS.	X	X	
-	102	P0Z-3		1	1546	1	1		1	1	1				×	x	
	704	POZ-50		6/28/22	1003	1	1	1	1	1					×	×	
89mou	ished by:	Employee# 35594 Employee#	Date 8/率/21 Date	Time	Sur Y	ved by:		mployee	8	Date ISIV	ı	Time (N) Time	Corre	Sample Receiving (Internal Use Only TEMP (°C): Initial: Correct pH: Yes No		l: Y	<u>v</u>
Relinqu	ished by:	Employee#	Date	Time	Recei	ved by:	E	mployee	#	Date		Time		rvative Lot#:			
o la repus		TALC (-III)				Later or								Time/Init for preserv	vative:		
□ Ag	Z Cu		Nut	rients	MI D BTEX	SC.		Gy Wallbo	psur	n	0	<u>Coal</u> Ultimate		Flyash Ammonia	in Tree	Oil ins. Oil	
⊠ Al	≱ Fe	Ø Se	U DO	c	□ Napthal			Gyp	sum(a	11		□ % Moist	ture	□ LOI	0.1	Moist olor	
PAS	ZK	□ Sn	□ TP/	TPO4	□ THM/H □ VOC		-	belo D A			BE	☐ Ash ☐ Sulfur		☐ % Carbon ☐ Mineral	0.0	cidity	
DB.	1 Li	□ Sr	DF	3-14	□ Oil & O	irease		DTC	C			□ BTUs		Analysis		ielectric FT	Strength
Ba	Ø Mg		L CI		□ Total C	oliform			tal meta luble M			□ Volatile	Matter	☐ Sieve	- 51	Dissolve	d Gases
Ø Be	□ Mn	A LOUIS OF THE PARTY OF THE PAR	□ NO □ Br		□ pH □ Dissolv	ed As			rity (Ca Moistu		0	CHN ther Tests:		☐ % Moisture	- 81	ed Oil lashpoi	int
Ø Ca	∠ Mo		DNO		☐ Dissolv	ed Fe	-	□ Su	lfites		0	XRF Scan		NPDES	UN	detals i	
ØCd	⊘ Na	ℤZn	E SO	4	☐ Rad 228		1	O pH	dorides			HGI Fineness		□ Oil & Grease		lg)	
ØCo	ZNi	□ Hg			□ PCB		1	□ Pa	rticle Si		0	Particulate M	atter	□ As □ TSS	0.60	X DEER	
Z Cr	☑Pb	□ CrVI				.115		Sulfur	N LIGHT					En Carlo De la Carlo			

22 HO 490

Send report to lcwillia@santeecooper.com & sibrown@santeecooper.com

Chain of Custody



Santee Coope One Riverwood Drive Moneks Corner, SC 2946: Phone: (843)761-8000 Ext. 5141 Fax: (843)761-4172

Customer Email/Report Recipient: Date Results Needed by: Project/Task/Unit #: Rerun request for any flagged QC LCWILLIA @santeecooper.com 125915 / JM02.09. GO]. 1 / 36500 Yes No **Analysis Group** Labworks ID# Sample Location/ Comments E BELOW (Internal use Description Collection Date Method # Collection Tim only) Preservative (below) Total # of conta Grab (G) or Composite (C) Reporting limit Bottle type: (G/Plastic-P) Misc. sample info TOTAL M Any other notes DEW 6/19/22 P AF36886 CCMLF-ID 1033 GW PLEASE SEE SHEET × X CCMLF - 2 1140 887 16 X 877 CCMAP-1 1310 17 883 CCMAP-6 1408 -18 X 6/30/22 COMAP-3 0930 879 X 878 COMAP-2 1033 20 X 1129 884 CCMAP-7 X 1240 880 COMAP-4 -21 × 1245 881 CCMAP- 4 DUP -23 882 CCMAP-5 1406 Sample Receiving (Internal Use Only), Time Relinquished by: Date Time Received by: Employee# Employee # Date TEMP (°C): 14 ? Initial: YW 915/22 1100 Sproun 35594 8/4/22 1500 Correct pH: Yes Relinquished by: Employee# Date Time Received b Employee # Time Preservative Lot#: Relinquished by: Employee# Date Time Received by: Employee # Date Time Date/Time/Init for preservative: ☐ METALS (all) **Nutrients** Gypsum Oil MISC. Coal Flyash □ Ag Z Cu Sb ☐ Wallbeard TOC D BTEX □ Ultimate Trans. Oil Qual. ☐ Ammonia ZAI Ø Fe Z Se %Moisture Gypsum(all DOC ☐ Napthalene ☐ % Moisture LIOI ZAS ØK. □ Sn THM/HAA Color below) TP/TPO4 ☐ Ash □ % Carbon DVOC D AIM □ NH3-N □ Sulfur ZB ☐ Mineral PLi □ ST □ Oil & Grease DITOC □ BTUs Analysis □ E. Coli □ Total metals Ba Mg □ Ti I CI ☐ Volatile Matter ☐ Sieve Dissolved Gases ☐ Total Coliform D Soluble Metals NI I NO2 Ø Be □ Mn CHN □pH ☐ % Moisture Used Oil D Purity (CaSO4) Flashpoint () Br Dissolved As Other Tests: ☐ % Moisture Z Ca OV **⊘**Mo Dissolved Fe D XRF Scan Metals in oil NO3 U Sulfites **NPDES** (As.Cd.Cr.Ni.Pb Z Cd O Na ZZn ☐ Rad 226 HGI □ pH □ SO4 □ Oil & Grease Hg) ☐ Rad 228 ☐ Fineness T Chlorides 2 Ni Z Co □ Hg I As TX II PCB ☐ Particulate Matter O Particle Size D TSS **GOFER** Ø Cr Z Pb □ CrVI

24

25

76

27

28

29

.30

-3

-32

-33

Chain of Custody



Santee Coope One Riverwood Drive Moneks Corner, SC 29461 Phone: (643)761-8000 Ext. 5144 Fax: (843)761-4175

Customer Email/Report Recipient: Date Results Needed by: Project/Task/Unit #: Rerun request for any flagged QC LCWILLIA 125915 / JMB2.09.601.1/ 36500 @santeecooper.com Yes No **Analysis Group** Labworks ID# Sample Location/ Comments METALS S.A. Collection Time (Internal use Description Collection Date Method # Sample Collecto Preservative (below) only) Reporting limit Total # of conta Grab (G) or Composite (C) SSOUPED Sottle type: (G/Plastic-P) Matrix(see Misc. sample info SEE TOTAL Any other notes ā PLEASE SEE SHEET. DEW X 2 1 G 6/20/22 1416 GW CBW-1 ML AF36876 × 1531 901 PM-1 X 6/21/22 CGYP-1 1004 888 X CGYP-2 889 1109 X 890 1114 CGYP- 2 DUP X 1231 CGYP-3 891 X 1323 892 CGYP-4 X CGYP-6 1423 893 X 6/28/22 POZ-8 1050 908 0930 885 CCMLF-1 6/29/22 Sample Receiving (Internal Use Only) TEMP (°C): 14.8 Initial: Relinquished by: Received by: Date Time Employee # Date Time Employee# when you 8/5/22 1100 35594 8/4/22 1500 Symoan Correct pH: Yes Received by: Time Relinquished by: Date Time Employee # Date Preservative Lot#: Time Date Time Received by: Employee # Relinquished by: **Employee#** Date Date/Time/Init for preservative: ☐ METALS (all) Oil **Nutrients** Gypsum Coal MISC. Flyash Z Cu Ø Sb □ Ag Trans. Oil Qual. TOC □ BTEX ■ Wallboard □ Ultimate □ Ammonia MAI Ø Fe Z Se %Moisture □ Napthalene Gypsum(all □ % Moisture D DOC □ LOI Color THM/HAA ZAS DK □ Sn TP/TPO4 below) □ Ash ☐ % Carbon Acidity TVOC D AIM □ Sulfur NH3-N ☐ Mineral B Dielectric Strength ZLi □ Sr □ Oil & Grease TOC Analysis F □ BTUs IFT. □ E. Coli ZMg D Ti [] Total metals Ba CI □ Volatile Matter □ Sieve Dissolved Gases ☐ Total Coliform D Soluble Metals ZT1 II NO2 DEHN ☐ % Moisture Used Oil. 8 Be □ Mn □pH Purity (CaSO4) Flashpoint Metals in oil Br ☐ Dissolved As Other Tests: FI % Moisture OV Z Ca Mo ☐ Dissolved Fe ☐ XRF Scan E NO3 □ Sulfites NPDES (As Cd.Cr.Ni.Pb □ Rad 226 DHGL Z Cd ZNa Ø Zn EpH □ SO4 Oil & Grease ☐ Rad 228 ☐ Fineness Chlorides Z Co Ø Ni □ Hg DAS. Particulate Matter □ PCB T Particle Size O TSS GOFER Z Pb ☐ CrVI ☑ Cr

6-Other (Specify)

72H0490

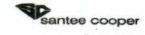
Chain of Custody

santee cooper

Santee Coope One Riverwood Driv. Moneks Corner, SC 2946 Phone: (843)761-8000 Ext. 5141 Fax: (843)761-417:

	Customer			ort Recipie	ent: ooper.com	Date Re	esults Ne	eded b	y:	125				Jnit #: 8. Go 1-8	/ 365	Rerun reque		ny fla	gged Q
1								1										_	s Group
	(Internal us			ple Locatio cription	"/	Collection Date	Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass- G/Plastic-P)	Grab (G) or Composite (C)	Matrix(see below)	Preservative (see below)	Meth Repo Misc Any		info	TOTAL METALS	DISSOLVED AS	
1	AF368	73	CA	P-12		6/21/22	1518	DEW	2	8	G	GW	2,	PLEASE	SEE	SHEET.	×	×	
	5	875	CA	P-14		6/22/22	0939										×	X	
1	2	872	CA	P-11		1	1357										×	×	
1		862	CA	P-2			1202										×	×	
6		874	CA	P-13		1	1027										×	×	
1		861		P-1			1253										×	X	
				P-10			1445										×	X	
1		871					1540									~	×	X	
2				P-9													×	X	
1		370	CA	P-9 Du	IP	2	1545										+	8	
L															Sample	e Receiving (Intern	al Use O		6
f	Arguar			Employee#	8/4/22	Time	WW \	red by:	E	mployee		1512	_	Time			Initia	d:_X	
	Relinquis			Employee#	Date	Time		red by:	E	mployee		Date	_	Time		ct pH: Yes I	No		
-	Relinquis	hed by:		Employee#	Date	Time	Receiv	red by:	E	mployee	#	Date		Time	rreser	vauve Loi#:			
-				A Total College								104900				Time/Init for prese	rvative:		
L				LS (all)	Nut	rients	MI	SC.		Gy	psun	1		Coal		Flyash		Oi	1
	☐ Ag ☑ Al	of Fe		⊠Sb ⊠Se	и то		BTEX		E	Wallbo			0	Ultimate		☐ Ammonia			ii Qual.
	Ø/As	ØK.		□ Sn	DC DC	C TPO4	□ Napthale □ THM/H			Gyp	sum(a. w)	37.1		☐ % Moista	ire	☐ LOI ☐ % Carbon	- 0	%Mon Calor	
	ØB.	ØLi		□ Sr	UNH	CONTRACTOR OF THE PERSON NAMED IN CONTRA	D VOC	ranca		DA	M			Sulfur		□ Mineral	1 13	Acidity	c Strength
	D/Ba	ZM	Section 1975	D Ti	DE		□ E. Coli				tal meta			☐ BTUs ☐ Volatile !		Analysis Sieve		IFT	
	Ø Be	□ M		2n	E CI E NO	2	□ Total Co	oliform			luble Merity (Cal			□ CHN	viatter	☐ % Moisture		Dissolv sed Oi	ed Gases
	C/Ca	DM		DV	O Br		□ Dissolve			D%	Moistur			ther Tests:				Flashpo Metals	oint
	D/Cd	DN	~	2/Zn	O NO	1	☐ Dissolve		1	D Su			200 M. J. C. (1990)	XRF Scan HGI		NPDES	0.00	(As.Cd	m on LCr.Ni,Pb
	ØCo	ØN	100	□ Hg			☐ Rad 228 ☐ PCB		A SEC	O Ch	lorides		AND DESCRIPTIONS	Fineness Particulate Ma	tter	☐ Oil & Grease ☐ As		Hg) TX	
	Ź Cr	2Pt	_	□ CrVI	THE RESERVE		areb			Sulfur		Popular Contract of the Contra		armonate ma		□ TSS		OFER	

Chain of Custody



Santee Coope One Riverwood Drive Moneks Corner, SC 2946; Phone: (843)761-8000 Ext. 5148 Fax: (843)761-417:

Date Results Needed by: Rerun request for any flagged QC Customer Email/Report Recipient: Project/Task/Unit #: LCWILLIA 125915 / JM02.08. GO1.3/ 36500 @santeecooper.com Yes **Analysis Group** Lahworks ID# Sample Location/ Comments 3 METALS (Internal use Description Collection Date BELOW Method # Collection Tim Matrix(see be SSOLVED Preservative (below) only) Total # of conta Reporting limit Bottle type: (G/Plastic-P) Grab (G) or Composite (C Misc. sample info Any other notes -SEE A 1005 DEW 2 6 2 X PLEASE SHEET. 6/23/22 GW CAP-8 AF36868 X X 867 CAP-7 1116 X X 1215 866 CAP-6 X X 1327 865 X X 1449 864 CAP-4 X 48 X CAP-3 863 1408 Date Received by: Relinquished by: Employee# Time Employee # Date Time 8/8/22 weren work 8/6/n 1100 35 594 1500 89 mount Correct pH: Yes Oate Time Relinquished by: Employee# Time Received by: Employee # Preservative Lot#: Date Time Time Received by: Employee # Relinquished by: Employee# Date Date/Time/Init for preservative: ☐ METALS (all) Oil **Nutrients** Gypsum Coal MISC. Flyash & Cu Ø Sb □ Ag 1 TOC **BTEX** ☐ Wallboard □ Ultimate □ Ammonia Trans. Oil Qual. Ø Al 1 Fe ☑ Se %Moisture □ Napthalene Gypsum(all D DOC □ % Moisture O LOI Color THM/HAA D'As DK □ Sn TP/TPO4 below) □ Ash ☐ % Carbon DVOC D AIM Acidity NH3-N □ Sulfur □ Mineral ØB Z Li □ Sr Dielectric Strength □ Oil & Grease TITOC OF BTUs Analysis IFT DE. Coli Ø Mg O Ti D Total metals □ Ba ☐ Volatile Matter □ Sieve II CI Dissolved Gases ☐ Total Coliform O Soluble Metals NO2 CHN □ % Moisture Used Oil Z Be ZTI □ Mn □pH ☐ Purity (CaSO4) □ Br ☐ Dissolved As Other Tests: Flashpoint 1) % Moisture & Ca D Mo OV Metals in oil ☐ Dissolved Fe ☐ XRF Scan D NO3 Sulfites **NPDES** (As.Cd.Cr.Ni,Pb Z Cd Na 22n ☐ Rad 226 THEL E pH **□ SO4** □ Oil & Grease Hg) ☐ Rad 228 ☐ Fineness 13 Chlorides D.Co ZNi □ Hg □ As TX ☐ Particulate Matter □ PCB Particle Size □ TSS **GOFER** & Cr 2 Pb □ CrVI

Table of Reporting Limits for Groundwater Samples-- Metals Only

Analyte			Reporting Limits best case
Aluminum	mg/L	0.05 to 0.2	-
Antimony	ug/L	6	5
Arsenic	ug/L	10	5
Arsenic Dissolved	ug/L		
Barium	ug/L	2000	5
Beryllium	ug/L	4	0.5
Boron	ug/L		10 to 15
Cadmium	ug/L	5	0.5
Calcium	ug/L		0.1
Chromium	ug/L	100	5
Cobalt	ug/L	6	0.5
Copper	mg/L	1	
Iron	ug/L	300	
Lead	ug/L	15	1
Lithium 6010	ug/L	40	5
Magnesium	ug/L		***
Mercury 7470	ug/L	2	0.2
Molybdenum 6010	ug/L	100	5
Nickel	ug/L		***
Potassium	mg/L		
Selenium	ug/L	50	5
Sodium	mg/L		
Thallium	ug/L	2	1
Zinc	ug/L	5000	

METHOD 6020 UNLESS OTHERWISE NOTED.

- NOT NEEDED



Revised July 2014

Sample Receipt Verification

Client: Santee Cooper	Date Received:	8/5/	22		Work 22H0490
Carrier Name: Client Other:			- >	Tra	acking Number:
Receipt Criteria		Yes	No	NA	Comments
Shipping container / cooler intact?		~			Damaged Leaking Other:
Custody seals intact?				'	
COC included with samples?		~			
COC signed when relinquished and received?		✓			
Sample bottles intact?		~			Damaged Leaking Other:
Sample ID on COC agree with label on bottle(s)?		✓			
Date / time on COC agree with label on bottle(s)?		Y			
Number of bottles on COC agrees with number of bott	tles received?	✓			
Samples received within holding time?		✓			
Sample volume sufficient for analysis?		✓			
VOA vials free of headspace (<6mm bubble)?				✓	
Samples cooled? Temp at receipt recorded on COC Temp measured with IR thermometer -	SN: 97050067	✓			Ice Cold Packs Dry Ice None
Samples requiring pH preservation at proper pH? Note: Samples for metals analysis may be preserved upon receip	ot in the lab.	✓			
Samples dechlorinated for parameters requiring chloring the time of sample collection?	ne removal at			✓	
If in-ho	ouse preservation	n used	— ге с	cord 1	Lot#
HCL	H ₃ F	PO ₄			
H ₂ SO ₄ HNO ₃	Na0				
Comments:					
Were non-conformance issues noted at sample rec	ceipt? No				
Non-Conformance issue other than noted above:					

Completed by: Page 81 of 81



a member of The GEL Group INC







PO Box 30712 Charleston, SC 29417 2040 Savage Road Charleston, SC 29407 P 843.556.8171 F 843.766.1178

gel.com

June 29, 2022

Ms. Jeanette Gilmetti Santee Cooper P.O. Box 2946101 OCO3 Moncks Corner, South Carolina 29461

Re: ABS Lab Analytical Work Order: 584114

Dear Ms. Gilmetti:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on June 24, 2022. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

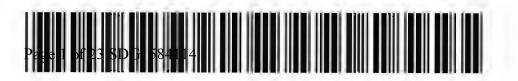
Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4289.

Sincerely,

Julie Robinson Project Manager

Purchase Order: 398684

Enclosures



2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report for

SOOP001 Santee Cooper Client SDG: 584114 GEL Work Order: 584114

The Qualifiers in this report are defined as follows:

- * A quality control analyte recovery is outside of specified acceptance criteria
- ** Analyte is a Tracer compound
- ** Analyte is a surrogate compound
- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Julie Robinson.

Reviewed by

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: June 29, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36876 Sample ID: 584114001 Matrix: Ground Water Collect Date: 20-JUN-22 14:16 Receive Date: 24-JUN-22

Client Collector:

Parameter	Qualifier	Result	DL	RL	Units	PF	DF Analyst Date	Time Batch	Method
Mercury Analysis-	·CVAA								

7470 Cold Vapor Mercury, Liquid "As Received"

Mercury 0.0670 0.200 ug/L 06/29/22 1029 2282950

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	06/28/22	1344	2282947

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 7470A	'

Notes:

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor RL: Reporting Limit MDA: Minimum Detectable Activity

MDC: Minimum Detectable Concentration **SQL**: Sample Quantitation Limit

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: June 29, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO₃

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36901 Sample ID: 584114002 Matrix: Ground Water Collect Date: 20-JUN-22 15:31

Receive Date: 24-JUN-22 Client Collector:

Parameter	Qualifier	Result	DL	RL	Units	PF	DF Analyst Date	Time Batch	Method
77									

Mercury Analysis-CVAA

7470 Cold Vapor Mercury, Liquid "As Received"

Mercury 0.0670 0.200 ug/L 06/29/22 1031 2282950

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	06/28/22	1344	2282947

The following Analytical Methods were performed:

Method Description **Analyst Comments** SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor MDA: Minimum Detectable Activity RL: Reporting Limit

MDC: Minimum Detectable Concentration **SQL**: Sample Quantitation Limit

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: June 29, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36888
Sample ID: 584114003
Matrix: Ground Water
Collect Date: 21-JUN-22 10:04
Receive Date: 24-JUN-22

Receive Date: 24-JUN-Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Ana	lyst Date	Time Batch	Method
Mercury Analysis-CVA	A										
7470 Cold Vapor Mercu	ıry, Liquid " <i>A</i>	As Received"									
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	06/29/22	1032 2282950	1
The following Prep Met	hods were pe	rformed:									
Method	Description	1		Analyst	Date	-	Tim	e .	Prep Batch		
SW846 7470A Prep	EPA 7470A M	fercury Prep Liquid		RM4	06/28/22		1344		2282947		

The following Analytical Methods were performed:

 Method
 Description
 Analyst Comments

 1
 SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: June 29, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36889
Sample ID: 584114004
Matrix: Ground Water
Collect Date: 21-JUN-22 11:09

Receive Date: 24-JUN-22 Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF Analyst Date	Time Batch Method	
Mercury Analysis	c-CVAA								

Mercury Analysis-CVAA

7470 Cold Vapor Mercury, Liquid "As Received"

Mercury U ND 0.0670 0.200 ug/L 1.00 1 JP2 06/29/22 1034 2282950 1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	06/28/22	1344	2282947

The following Analytical Methods were performed:

 Method
 Description
 Analyst Comments

 1
 SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 6 of 23 SDG: 584114

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: June 29, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36890
Sample ID: 584114005
Matrix: Ground Water
Collect Date: 21-JUN-22 11:14

Receive Date: 24-JUN-22 Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF Analyst Date	Time Batch	Method
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Project:

Client ID:

Mercury Analysis-CVAA

7470 Cold Vapor Mercury, Liquid "As Received"

Mercury U ND 0.0670 0.200 ug/L 1.00 1 JP2 06/29/22 1036 2282950 1

The following Prep Methods were performed:

MethodDescriptionAnalystDateTimePrep BatchSW846 7470A PrepEPA 7470A Mercury Prep LiquidRM406/28/2213442282947

The following Analytical Methods were performed:

 Method
 Description
 Analyst Comments

 1
 SW846 7470A

SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: June 29, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36891
Sample ID: 584114006
Matrix: Ground Water
Collect Date: 21-JUN-22 12:31
Receive Date: 24-JUN-22

Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Ana	alyst Date	Time Batc	h Method
Mercury Analysis-CV	'AA										
7470 Cold Vapor Mer	cury, Liquid "A	As Received"									
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	06/29/22	1041 22829:	50 1
The following Prep M	lethods were pe	erformed:									
Method	Description	1		Analyst	Date		Time	e	Prep Batch		**
SW846 7470A Prep	EPA 7470A N	Mercury Prep Liquid		RM4	06/28/22		1344	:	2282947		
The following Analyst	ical Mathaday	iora parformadi									

The following Analytical Methods were performed:

MethodDescriptionAnalyst Comments1SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 8 of 23 SDG: 584114

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: June 29, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO₃

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36892 Sample ID: 584114007 Matrix: Ground Water Collect Date: 21-JUN-22 13:23 Receive Date: 24-JUN-22

Client Collector:

Parameter	Qualifier	Result	DL	RL	Units	PF	DF Analyst Date	Time Batch Method
Marcury Analysi	CVAA							

Mercury Analysis-CVAA

7470 Cold Vapor Mercury, Liquid "As Received"

0.0670 0.200 06/29/22 1043 2282950 ug/L

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	06/28/22	1344	2282947

The following Analytical Methods were performed:

Method Description **Analyst Comments** SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor RL: Reporting Limit MDA: Minimum Detectable Activity

MDC: Minimum Detectable Concentration **SQL**: Sample Quantitation Limit

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: June 29, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO₃

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36893 Sample ID: 584114008 Matrix: Ground Water Collect Date: 21-JUN-22 14:23

Receive Date: 24-JUN-22 Client Collector:

Parameter	Qualifier	Result	DL	RL	Units	PF	DF Analyst Date	Time Batch	Method
Mercury Analysis-CVA	A								

7470 Cold Vapor Mercury, Liquid "As Received"

ug/L Mercury 0.0670 0.200 06/29/22 1045 2282950

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	06/28/22	1344	2282947

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 7470A	-

Notes:

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor MDA: Minimum Detectable Activity RL: Reporting Limit

MDC: Minimum Detectable Concentration **SQL**: Sample Quantitation Limit

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Certificate of Analysis

Project:

Client ID:

Report Date: June 29, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti ABS Lab Analytical Project:

Client Sample ID: AF36874 Sample ID: 584114009 Matrix: Ground Water Collect Date: 22-JUN-22 10:27

Receive Date: 24-JUN-22 Client Collector:

Parameter	Qualifier	Result	DL	RL	Units	PF	DF Analyst Date	Time Batch Method
N. f	CTAA							

Mercury Analysis-CVAA

7470 Cold Vapor Mercury, Liquid "As Received"

ND 0.0670 0.200 ug/L 06/29/22 1046 2282950

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	06/28/22	1344	2282947

The following Analytical Methods were performed:

Method Description **Analyst Comments** SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor RL: Reporting Limit MDA: Minimum Detectable Activity

MDC: Minimum Detectable Concentration **SQL**: Sample Quantitation Limit

Page 11 of 23 SDG: 584114

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: June 29, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36861
Sample ID: 584114010
Matrix: Ground Water
Collect Date: 22-JUN-22 12:53
Receive Date: 24-JUN-22

Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Ana	lyst Date	Time Batch	Method
Mercury Analysis-CVA	A										
7470 Cold Vapor Mercu	ry, Liquid "A	As Received"									
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	06/29/22	1048 2282950	1
The following Prep Met	hods were pe	rformed:									
Method	Description	1		Analyst	Date		Time	e I	Prep Batch		
SW846 7470A Prep	EPA 7470A M	Mercury Prep Liquid		RM4	06/28/22		1344	2	282947		

The following Analytical Methods were performed:

Method Description Analyst Comments

SW846 7470A

Analyst Comments

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 12 of 23 SDG: 584114

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: June 29, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36871
Sample ID: 584114011
Matrix: Ground Water
Collect Date: 22-JUN-22 14:45
Receive Date: 24-JUN-22

Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Anal	lyst Date	Time Batch	Method
Mercury Analysis-CV	AA										
7470 Cold Vapor Mer	cury, Liquid "/	As Received"									
Mercury	\mathbf{U}	ND	0.0670	0.200	ug/L	1.00) 1	JP2	06/29/22	1050 2282950	1
The following Prep M	ethods were pe	erformed:									
Method	Description	n		Analyst	Date		Tim	e F	rep Batch		
SW846 7470A Prep	EPA 7470A N	Mercury Prep Liquid		RM4	06/28/22		1344	2	282947		-

SW846 7470A Prep EPA 7470A Mercury Prep Liquid The following Analytical Methods were performed:

MethodDescriptionAnalyst Comments1SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 13 of 23 SDG: 584114

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: June 29, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36869
Sample ID: 584114012
Matrix: Ground Water
Collect Date: 22-JUN-22 15:40
Receive Date: 24-JUN-22

Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF Analyst Date	Time Batch	Method
77									

Mercury Analysis-CVAA

7470 Cold Vapor Mercury, Liquid "As Received"

Mercury U ND 0.0670 0.200 ug/L 1.00 1 JP2 06/29/22 1051 2282950 1

The following Prep Methods were performed:

MethodDescriptionAnalystDateTimePrep BatchSW846 7470A PrepEPA 7470A Mercury Prep LiquidRM406/28/2213442282947

The following Analytical Methods were performed:

MethodDescriptionAnalyst Comments1SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 14 of 23 SDG: 584114

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: June 29, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO₃

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36870 Sample ID: 584114013 Matrix: Ground Water Collect Date: 22-JUN-22 15:45

Receive Date: 24-JUN-22 Client Collector:

Parameter	Qualifier	Result	DL	RL	Units	PF	DF Analyst Date	Time Batch	Method
Mercury Analysis-CVA	λA								

7470 Cold Vapor Mercury, Liquid "As Received"

Mercury 0.0670 0.200 ug/L 06/29/22 1053 2282950

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	06/28/22	1344	2282947

The following Analytical Methods were performed:

Method Description **Analyst Comments** SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor MDA: Minimum Detectable Activity **RL**: Reporting Limit

MDC: Minimum Detectable Concentration **SQL**: Sample Quantitation Limit

Page 15 of 23 SDG: 584114

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Report Date: June 29, 2022

Santee Cooper P.O. Box 2946101

OCO3

Moncks Corner, South Carolina

Contact: Ms. Jeanette Gilmetti

Workorder: 584114

Parmname		NON	И	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis-Mercury Batch 2282950													
QC1205126641 L Mercury	CS	2.00				2.01	ug/L		101	(80%-120%)	JP2	06/29/2	22 10:05
QC1205126640 Mercury	ſВ				U	ND	ug/L					06/29/2	22 10:03
QC1205126642 582 Mercury	287002 MS	2.00	U	ND		1.61	ug/L		80.3	(75%-125%))	06/29/2	22 10:08
QC1205126643 582 Mercury	287002 MSD	2.00	U	ND		1.64	ug/L	2.04	81.9	(0%-20%)	Ì	06/29/2	22 10:10
QC1205126644 582 Mercury	287002 SDILT		U	ND	U	ND	ug/L	N/A		(0%-10%)	ı	06/29/2	22 10:12

Notes:

The Qualifiers in this report are defined as follows:

- < Result is less than value reported
- > Result is greater than value reported
- E %difference of sample and SD is >10%. Sample concentration must meet flagging criteria
- FB Mercury was found present at quantifiable concentrations in field blanks received with these samples. Data associated with the blank are deemed invalid for reporting to regulatory agencies
- H Analytical holding time was exceeded
- J See case narrative for an explanation
- J Value is estimated
- N Metals--The Matrix spike sample recovery is not within specified control limits
- N/A RPD or %Recovery limits do not apply.
- N1 See case narrative
- ND Analyte concentration is not detected above the detection limit
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Q One or more quality control criteria have not been met. Refer to the applicable narrative or DER.

Page 16 of 23 SDG: 584114

Page 1 of 2

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Workorder: 584114

Page 2 of 2

Parmname

NOM Sample Qual QC Units RPD% REC% Range Anlst Date Time

- R Sample results are rejected
- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Y Other specific qualifiers were required to properly define the results. Consult case narrative.
- ^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
- h Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.

- ^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where the duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
- * Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Page 17 of 23 SDG: 584114

Metals Technical Case Narrative Santee Cooper SDG #: 584114

Product: Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer

Analytical Method: SW846 7470A

Analytical Procedure: GL-MA-E-010 REV# 38

Analytical Batch: 2282950

Preparation Method: SW846 7470A Prep

Preparation Procedure: GL-MA-E-010 REV# 38

Preparation Batch: 2282947

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
584114001	AF36876
584114002	AF36901
584114003	AF36888
584114004	AF36889
584114005	AF36890
584114006	AF36891
584114007	AF36892
584114008	AF36893
584114009	AF36874
584114010	AF36861
584114011	AF36871
584114012	AF36869
584114013	AF36870
1205126640	Method Blank (MB)CVAA
1205126641	Laboratory Control Sample (LCS)
1205126644	582287002(NonSDGL) Serial Dilution (SD)
1205126642	582287002(NonSDGS) Matrix Spike (MS)
1205126643	582287002(NonSDGSD) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Page 18 of 23 SDG: 584114

Chain of Custody



Santee Cooper One Riverwood Drive Moneks Corner, SC 29461 Phone: (843)761-8000 Ext, 5148 Fnx: (843)761-4175

Customer Email/Report Recipient:			Date Results Needed by: P						roject/	Task/l	Unit #:		Rerun request for any flagged QC				
LCWILL	IA	@santeed	cooper.com		'			125	715	J_JM	62.0	7. GØ1-	1 36500	Yes	No		
														Action community with the community of t	<u>A</u>	nalysis G	roup
Labworks I (Internal us only)	and the second second	Sample Locatic Description	on /	Collection Date	Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass- G/Plastic-P)	Grab (G) or Composite (C)	Matrix(see below)	Preservative (see below)	• N	Comme Method # Reporting limit Misc. sample info any other notes		Ta:		
AF3687	76 (CBW-1		6/20/22	1416	MEW	1	G	G	GW	3		1	And Andrew Control of	X		
AF3690	ا (د	PM-1		<u> </u>	1531	1	1	G	G	GW.	3		4	The state of contract of the state of contract	X		
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Relinquis	hed by:	Employee#	Date	Time	Recei	ved by:	E	mployee	#	Date	<u> </u>	Time		eceiving (Internal C):	Use On Initial		<u> </u>
Sproun		35594	6/24/22	0935	M	12		GEL		/24/5 Date		0935 Time		oH: Yes No			
Relinquis	2	Employee#	Date Control Date	Time	TUL\	ved by	6	TEL mployee	6	Date	32	Time	Preserva Date/Tim	tive Lot#: e/Init for preserv	/ative:		
		ΓALS (all)	N.S.	rients	RAI	SC.		C.	/psui	**	T	Co	al	Flyash		Oil	
□ Ag □ Al □ As	☐ Cu ☐ Fe	☐ Sb ☐ Se ☐ Sn	TO DO	C	□ BTEX □ Napthal □ THM/H	lene	Ī	Walib	oard sum(e		D	Ultimate □ % Me □ Ash	e oisture	Ammonia LOI Carbon		ec (OH 4) Mariatica Mari	
□В	□ Li	□Sr		3-N	□ VOC □ Oil & C			O AI	IM X			□ Sulfu	r i	Mineral Analysis	- 0,	udit Recure Su I	engi.
□ Ba	□Mg	OTi	CI.		☐ E. Coli ☐ Total C				tal met luble N	letals		□ Vola	ile Matter	Sieve		salved) d Oli	Crasco
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□С₀	□Ni	□Hg			□ Rad 221 □ PCB			U Ch	lorides nicle S		al o	Fineness Particulate	Matter	Oil & Grease As	. 1		
□ Cr	□Pb	☐ CrVI			2100			⊖ Far ⊖ Sulfur						TSS		FFR	
□ Cr	□ Pb	CrVI						El Sulfur					T. I				

Contract Lab Info: ____

GEL Contract Lab Due Date (Lab Only):_

/ 27_ Send report to lcwillia@santeecooper.com sjbrown@santeecooper.com

584117/4114

Chain of Custody



Santec Cooper One Riverwood Drive Moneks Corner, SC 29461 Phone: (843)761-8000 Ext. 5148 Fax: (843)761-4175

Customer Emai	l/Report Recipient:	Date R	lesults Ne	eded b	y:	Project/Task/Unit #:							Rerun request for any flagged Q				ł QC
LCWILLIA	@santeecooper.com		//.			125	915	/ JM	02.5	7. G ØI.		36500	<u> </u>				
														E	nalys	ls Grou	пБ
Labworks ID # (Internal use only)	Sample Location/ Description	Collection Date	Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass-G/Plastic-P)	Grab (G) or Composite (C)	Matrix(see below)	Preservative (see below)	• F	∕lisc. sa	Commen # ig limit mple info er notes	its	RAD 226/228	TOTAL RAD CALC.		
AF36876	CBW-	6/20/22	1416	DEW	3	17	G	GW	2.	tig 7	470	RL CO	200 Mg/L	2	×	1	
AF36901	PM-1	1	1531	1										2	×	ı	
AF36888	CGYP-1	6/21/22	1004												١		
89	CGYP-2		1109								:						
90	CGYP-2 DUP		1114								:						
91	CG1P-3		1231		<u> </u>												
92	CGYP- 4		1323									····					
1 93	CGYP-6	<u> </u>	1423		<u> </u>									1	<u> </u>	1	
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Chain of Custody



Santee Cooper One Riverwood Drive Moncks Corner, SC 29461 Phone: (843)761-8000 Ext, 5148 Fax: (843)761-4175

Customer Email/Report Recipient:			Date Results Needed by:					Project/Task/Unit #:						Rerun request for any flagged Q0				qc		
L	CWILLIA		_@santee	cooper.com		/				125	915	J JW	102.	08.Gøl.3	/_36500	Yes	No			
										,							A	nalysi	Group	ž
(int	Labworks ID # Sample Location/		on/	Collection Date		Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass-G/Plasstore)	Grab (G) or Composite (C)	Matrix(see below)	Preservative (see	Metl Repo Misc Any	Comment of # orting limit . sample info other notes		RMD 226/228	TOTAL RAD CALC	Hg		
-0.55	90819	overes and placed in	MP-12		6/21	1=	JC-10	DEW						ttn-747	l #1.∠0.	200 49/L		man)diperior	4	Procession
AF	36874		AP-13		6/22			DEX	3	P	G	GW	2	1119			2	1	18	
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A R	Slinguished b	y:	Employeess	Date	Stime		Recei	ed by:	E	mployee	# G	Date	do-	Time	Date/Time	/Init for preserva	ative:			
	Ag	Cu Fe	ALS (all) Sb Sc Sn Sr Ti Ti V Zn Hg CrVI	L NH El F El GI I NO I Br L NO II SO4	C C TTPO4 3-N 2		MI: BTEX Napithal THM/H VOC Oil & G E Coli Total Cc pH Dissolve Dissolve Rad 226 Rad 228	ene AA rease sliform d As d Fe		Watibe Cyp balo A TO D To D So D Po D So D Su D Su D Su D Su D Su D Su D Su D Su	ostrat(e se) IM K tal mete lable M raty (Ca Moistar Ifacs	iis etals SO(4) e	0	Coal Ultimate □ % Moist □ Ash □ Sulfur □ BTUs □ Volatile □ CHN ther Tests: XRF Scan HGI Fineness Particulate Ma	mre Daniel Danie	Fivash Ammonia LOI % Carbon Mineral Analysis Sieve % Moisture MPDES Oil & Grease As	Constitution of the consti	Alorst dor idits leaves soulve di Cill achtroi ctals in c. Cu,	Qual. un Sarcegh d'Gaster	S

	GEL Laboratories LLC				SAMPLE RECEIPT & REVIEW FORM
Cli	ents SCNO			sn	G/AR/COC/Work Order: 584105/4103/4102/4117/
Rec	ceived By: MVH				te Received: 00 2012022
	Carrier and Tracking Number				Circle Applicable: FedEx Express FedEx Ground UPS Field Services Courfer Other
Sus	pected Hazard Information	Yes	N ₀	*If	Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)S	hipped as a DOT Hazardous?		X	Haz	tard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? YesNo
	Did the client designate the samples are to be ived as radioactive?		X,	CO	C notation or radioactive stickers on containers equal client designation.
	Did the RSO classify the samples as pactive?		X	Ma	ximum Net Counts Observed* (Observed Counts - Area Background Counts):CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
	Did the client designate samples are hazardous?		X		C notation or hazard labels on containers equal client designation. D or E is yes, select Hazards below. PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:
	Sample Receipt Criteria	Yes	N.	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and scaled?	Ź	2		Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	X			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	Samples requiring cold preservation within $(0 \le 6 \text{ deg. C})$?*	X			Preservation Method: Wet Ice Ice Packs Dry ice None Other: *all temperatures are recorded in Celsius TEMP:
4	Daily check performed and passed on IR temperature gun?	X			Temperature Device Serial #: IR2-21 Secondary Temperature Device Serial # (If Applicable):
5	Sample containers intact and sealed?	X			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6	Samples requiring chemical preservation at proper pH?			X	Sample ID's and Containers Affected: If Preservation added, Lot#: 200-001-8P
7	Do any samples require Volatile Analysis?			X	If Yes, are Encores or Soil Kits present for solids? Yes No NA (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes No NA (If unknown, select No) Are liquid VOA vials free of headspace? Yes No NA Sample ID's and containers affected:
8	Samples received within holding time?	X			ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	X			ID's and containers affected:
10	Date & time on COC match date & time on bottles?	X			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
11	Number of containers received match number indicated on COC?	X			Circle Applicable: No container count on COC Other (describe)
12	Are sample containers identifiable as GEL provided by use of GEL labels?			X	
13	COC form is properly signed in relinquished/received sections?	3			Circle Applicable: Not relinquished Other (describe)

GL-CHL-SR-001 Rev 7

List of current GEL Certifications as of 29 June 2022

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-0651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	90129
Kentucky Wastewater	90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2019020
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	SC000122022-5
New Hampshire NELAP	2054
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2019–165
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235-22-20
Utah NELAP	SC000122021-36
	VT87156
Vermont Virginia NEL AD	
Virginia NELAP	460202
Washington	C780











PO Box 30712 Charleston, SC 29417 2040 Savage Road Charleston, SC 29407 P 843,556,8171 F 843.766.1178

gel.com

July 26, 2022

Ms. Jeanette Gilmetti Santee Cooper P.O. Box 2946101 OCO3 Moncks Corner, South Carolina 29461

Re: ABS Lab Analytical Work Order: 584293

Dear Ms. Gilmetti:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on June 28, 2022. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4289.

Sincerely,

Julie Robinson Project Manager

Purchase Order: 398684

Enclosures



2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report for

SOOP001 Santee Cooper

Client SDG: 584293 GEL Work Order: 584293

The Qualifiers in this report are defined as follows:

- * A quality control analyte recovery is outside of specified acceptance criteria
- ** Analyte is a Tracer compound
- ** Analyte is a surrogate compound
- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Julie Robinson.

Reviewed by

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: July 26, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti ABS Lab Analytical Project:

Client Sample ID: AF36868 Sample ID: 584293001 Matrix: **Ground Water** Collect Date: 23-JUN-22 10:05 Receive Date:

28-JUN-22

Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Anal	yst Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting	e I									
GFPC, Ra228, Liquid ".	As Received"										
Radium-228	U	1.21	+/-1.08	1.74	3.00	pCi/L		JXC9	07/07/22	1021 2283618	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"								
Radium-226+228 Sum		1.97	+/-1.13			pCi/L		1 NXL	07/25/22	0839 2287052	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"									
Radium-226		0.756	+/-0.325	0.344	1.00	pCi/L		LXP1	07/13/22	0836 2283604	3
The following Analytic	al Methods w	ere perfo	ormed:								
Method	Description		·			A	Analys	st Commen	ts		

Method	Description	Analyst Commer
1	EPA 904.0/SW846 9320 Modified	·

2 Calculation EPA 903.1 Modified

Collector:

Surrogate/Tracer Recovery Test Result **Nominal** Recovery% Acceptable Limits Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 68.1 (15%-125%)

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor RL: Reporting Limit MDA: Minimum Detectable Activity

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: July 26, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36867
Sample ID: 584293002
Matrix: Ground Water
Collect Date: 23-JUN-22 11:16

Receive Date: 28-JUN-22 Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analyst Da	e Time Batch	Method
Rad Gas Flow Proportio	nal Counting	6)								
GFPC, Ra228, Liquid "A	As Received"									
Radium-228	U	1.11	+/-1.54	2.64	3.00	pCi/L		JXC9 07/12	22 0911 2283618	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"							
Radium-226+228 Sum		1.99	+/-1.58			pCi/L		1 NXL1 07/25	22 0839 2287052	2
Rad Radium-226										
Lucas Cell, Ra226, Liqu	iid "As Recei	ved"								
Radium-226		0.876	+/-0.354	0.311	1.00	pCi/L		LXP1 07/13	22 0836 2283604	. 3
The following Analytic	al Methods w	ere perfo	ormed:							
3.6.21 1	T									

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	•

2 Calculation 3 EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

67.7 (15%-125%)

Notes

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: July 26, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti ABS Lab Analytical Project:

Client Sample ID: AF36866 Sample ID: 584293003 Matrix: **Ground Water** Collect Date: 23-JUN-22 12:15 28-JUN-22

Receive Date: Client Collector:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analyst I	Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting	6)									
GFPC, Ra228, Liquid "A	As Received"										
Radium-228	U	0.955	+/-1.03	1.72	3.00	pCi/L		JXC9 07/	07/22	1022 2283618	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"								
Radium-226+228 Sum		2.80	+/-1.12			pCi/L		1 NXL1 07/	25/22	0839 2287052	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"									
Radium-226		1.84	+/-0.440	0.279	1.00	pCi/L		LXP1 07/	13/22	0836 2283604	3
The following Analytic	al Methods w	ere perfo	ormed:								
31.6.14. 4								~			

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	•

2 Calculation EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result **Nominal** Recovery% Acceptable Limits Barium-133 Tracer

GFPC, Ra228, Liquid "As Received" (15%-125%)

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor RL: Reporting Limit MDA: Minimum Detectable Activity

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: July 26, 2022

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Client

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36865
Sample ID: 584293004
Matrix: Ground Water
Collect Date: 23-JUN-22 13:27
Receive Date: 28-JUN-22

Client ID: SOOP001

SOOP00119

Project:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proportion	nal Counting										
GFPC, Ra228, Liquid "A	As Received"										
Radium-228		6.09	+/-1.31	1.33	3.00	pCi/L		JXC9	07/12/22	0911 2283618	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"								
Radium-226+228 Sum		11.4	+/-1.50			pCi/L		1 NXL1	07/25/22	0839 2287052	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	ıid "As Recei	ved"									
Radium-226		5.28	+/-0.719	0.348	1.00	pCi/L		LXP1	07/13/22	0836 2283604	3
The following Analytical Methods were performed:											

MethodDescriptionAnalyst Comments1EPA 904.0/SW846 9320 Modified

2 Calculation 3 EPA 903.1 Modified

Collector:

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

98.5 (15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: July 26, 2022

Company: Santee Cooper Address: P.O. Box 2946101

OCO₃

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36864
Sample ID: 584293005
Matrix: Ground Water
Collect Date: 23-JUN-22 14:49
Receive Date: 28-JUN-22

Client

Client ID: SOOP001

Analyst Comments

SOOP00119

Project:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proportional Counting											
GFPC, Ra228, Liquid "A	As Received"										
Radium-228		2.26	+/-1.35	2.09	3.00	pCi/L		JXC9	07/07/22	1022 2283618	1
Radium-226+Radium-228 Calculation "See Parent Products"											
Radium-226+228 Sum		2.97	+/-1.39			pCi/L		1 NXL1	07/25/22	0839 2287052	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	iid "As Recei	ved"									
Radium-226		0.713	+/-0.313	0.337	1.00	pCi/L		LXP1	07/13/22	0836 2283604	3
The following Analytic	The following Analytical Methods were performed:										

Method Description

Calculation

3 EPA	903.1 Modified				
Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 81.1 (15%-125%)

Notes:

2

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

Collector:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: July 26, 2022

Company: Santee Cooper Address: P.O. Box 2946101

OCO₃

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36863
Sample ID: 584293006
Matrix: Ground Water
Collect Date: 23-JUN-22 16:08
Receive Date: 28-JUN-22

Client

Client ID: SOOP001

Analyst Comments

SOOP00119

Project:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proportional Counting											
GFPC, Ra228, Liquid "A	As Received"										
Radium-228	U	0.0795	+/-0.893	1.66	3.00	pCi/L		JXC9	07/07/22	1022 2283618	1
Radium-226+Radium-228 Calculation "See Parent Products"											
Radium-226+228 Sum		3.86	+/-1.08			pCi/L		1 NXL1	07/25/22	0839 2287052	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	iid "As Recei	ved"									
Radium-226		3.78	+/-0.601	0.188	1.00	pCi/L		LXP1	07/13/22	0836 2283604	3
The following Analytic	al Methods w	ere perfo	ormed:								

Method	Description	
1	EPA 904.0/SW846 9320 Modified	
2	Calculation	

3 EPA 903.1 Modified

Collector:

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

86.3 (15%-125%)

Notes

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Report Date: July 26, 2022

Santee Cooper P.O. Box 2946101

OCO3

Moncks Corner, South Carolina

Contact: Ms. Jeanette Gilmetti

Workorder: 584293

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range Anlst	Date Time
Rad Gas Flow Batch 2283618									
QC1205128000 584293001 DU Radium-228	UP U Uncertainty	1.21 +/-1.08	U	0.877 +/-1.62	pCi/L	N/A		N/A JXC9	07/07/22 10:27
QC1205128001 LCS Radium-228	45.0 Uncertainty			43.5 +/-3.39	pCi/L		96.7	(75%-125%)	07/07/22 10:22
QC1205127999 MB Radium-228	Uncertainty		U	0.456 +/-0.900	pCi/L				07/07/22 10:21
Rad Ra-226 Batch 2283604									
QC1205127964 584293001 DI Radium-226	UP Uncertainty	0.756 +/-0.325		0.607 +/-0.283	pCi/L	21.9		(0% - 100%) LXP1	07/13/22 09:08
QC1205127966 LCS Radium-226	26.6 Uncertainty			21.8 +/-1.44	pCi/L		81.8	(75%-125%)	07/13/22 09:08
QC1205127963 MB Radium-226	Uncertainty		U	0.0825 +/-0.194	pCi/L				07/13/22 09:08
QC1205127965 584293001 M Radium-226	S 131 Uncertainty	0.756 +/-0.325		125 +/-7.81	pCi/L		94.3	(75%-125%)	07/13/22 09:08

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

The Qualifiers in this report are defined as follows:

** Analyte is a Tracer compound

< Result is less than value reported

> Result is greater than value reported

BD Results are either below the MDC or tracer recovery is low

FA Failed analysis.

Page 9 of 15 SDG: 584293

Page 1 of 2

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Workorder: 584293 Page 2 of 2 Parmname **NOM** Sample Qual QC Units RPD% REC% Range Anlst Date Time Η Analytical holding time was exceeded J See case narrative for an explanation J Value is estimated K Analyte present. Reported value may be biased high. Actual value is expected to be lower. L Analyte present. Reported value may be biased low. Actual value is expected to be higher. M M if above MDC and less than LLD REMP Result > MDC/CL and < RDL M N/A RPD or %Recovery limits do not apply. N1See case narrative ND Analyte concentration is not detected above the detection limit NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier Q One or more quality control criteria have not been met. Refer to the applicable narrative or DER. R Sample results are rejected U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD. UI Gamma Spectroscopy--Uncertain identification Gamma Spectroscopy--Uncertain identification UJ UL, Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias. X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier Y Other specific qualifiers were required to properly define the results. Consult case narrative.

^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.

h Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where the duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Page 10 of 15 SDG: 584293

Radiochemistry Technical Case Narrative Santee Cooper SDG #: 584293

Product: Radium-226+Radium-228 Calculation

Analytical Method: Calculation

Analytical Procedure: GL-RAD-D-003 REV# 45

Analytical Batch: 2287052

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
584293001	AF36868
584293002	AF36867
584293003	AF36866
584293004	AF36865
584293005	AF36864
584293006	AF36863

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: GFPC, Ra228, Liquid

Analytical Method: EPA 904.0/SW846 9320 Modified **Analytical Procedure:** GL-RAD-A-063 REV# 5

Analytical Batch: 2283618

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
584293001	AF36868
584293002	AF36867
584293003	AF36866
584293004	AF36865
584293005	AF36864
584293006	AF36863
1205127999	Method Blank (MB)
1205128000	584293001(AF36868) Sample Duplicate (DUP)
1205128001	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Page 11 of 15 SDG: 584293

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Recounts

Samples 584293002 (AF36867) and 584293004 (AF36865) were re-eluted and recounted to verify sample results. The recounts are reported.

Product: Lucas Cell, Ra226, Liquid Analytical Method: EPA 903.1 Modified

Analytical Procedure: GL-RAD-A-008 REV# 15

Analytical Batch: 2283604

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
584293001	AF36868
584293002	AF36867
584293003	AF36866
584293004	AF36865
584293005	AF36864
584293006	AF36863
1205127963	Method Blank (MB)
1205127964	584293001(AF36868) Sample Duplicate (DUP)
1205127965	584293001(AF36868) Matrix Spike (MS)
1205127966	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

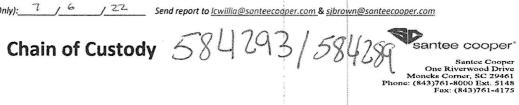
Additional Comments

The matrix spike, 1205127965 (AF36868MS), aliquot was reduced to conserve sample volume.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

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Leworks ID # Sample Location Description Descripti	Cust	Customer Email/Report Recipient:				Date Re	esults Ne	eded b	y:		Pr	oject/	Task/l	Jnit #:		Rerun request	for ar	y fla	ged QC	
Labworks ID # Comments Description D	Lc	LCWILLIA @santeecooper.com						125915 / JM02.08. GØ1.3 / 36500 Yes					No							
Description Description																man, C. S. San	(Non-limiterally)	A	nalysis	Group
67	(Internal use Description			1	Collection Date	Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass-G/Plastic-P)	Grab (G) or Composite (C)	Matrix(see below)	Preservative (see below)	• R	ethod # eporting limit lisc, sample in		226/	\$	4		
Relinquished by: Employee# Date Time Received by: Employee # Date Time TEMP (**C): Initial: Temployee# Date Time Received by: Employee # Date Time TEMP (**C): Initial: TEMP (**C):	AF	3686	8	CA	P-8		6/23/22	1005	閚	3	P着	G	GW	¥2.	HG	1470 RL<	0.200 49/L	1	×	1
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Nutrients	R	elinquish	ed by:		Employee#	Date	Time									Ш.,				
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□ METALS (all)	R	eiinquish	ed by:	_	Employee#	" Date"	∀ Time	Recen	red by:		mployee	9 #	Date	•	ime	Date /Ti	ma/Init for procor	untina		
□ Ag □ Cu □ Sb □ TOC □ BTEX □ Wallboard □ Ultimate □ Anmonia □ Trans. Oils □ As □ K □ Sn □ TP/TPO4 □ VOC □ THM/HAA □ Wallboard □ Wallboard □ Wallboard □ Ultimate □ Anmonia □ Trans. Oils □ % Moisture □ LOI □ % Moisture □ LOI □ % Moisture □ LOI □ % Moisture □ Color □ AlM □ Sulfur □ Mineral □ Dielectric □ Dielectric □ TOC □ BTUs □ Analysis □ IFI □ Diesolved □ Total Coliform □ Total metals □ Volatile Matter □ Sieve □ Dissolved □ Dissolved □ CHN □ % Moisture □ Used Oil □ Princess □ Princess □ Princess □ Fineness □ Oil & Grease □ Princess □ Oil & Grease □ Princess □ Oil & Grease □ Princess □ Princess □ Oil & Grease □ Princess □ Princess □ Oil & Grease □ Oil & Grease □ Dissolved □ Dissolved □ Dissol	L									500000					Owner of the owner owner of the owner o	Date, III	ne/ intro preser	vauve.		
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□ As □ K □ Sn □ TP/TPO4 □ THM/HAA □ Color □ Ash □ Ash □ Color □ Ash □ Mineral □ Disecuric □ TOC □ BTUs □ Analysis □ IFI □ Dissolve □ CHN □ Youtable Matter □ Sieve □ Dissolve □ Dissolve □ Dissolve □ CHN □ Youtable Matter □ Youtable Matter □ Sieve □ Dissolve □ Dissolve □ Dissolve □ CHN □ Youtable Matter □ Youtable Matter □ Youtable Matter □ Sieve □ Dissolve □ Dissolve □ Purity (CaSO4) □ CHN □ Volatile Matter □ Youtable Matter <td< td=""><td>-</td><td></td><td>PARKET PARKS CLA</td><td>100000000000000000000000000000000000000</td><td></td><td>\$0.000 constant and a second an</td><td>GASSITORNESSOSIBILIDADES XXXXX</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	-		PARKET PARKS CLA	100000000000000000000000000000000000000		\$0.000 constant and a second an	GASSITORNESSOSIBILIDADES XXXXX													
□ B □ Li □ Sr □ NH3-N □ VOC □ Oil & Grease □ E. Coli □ Total Coliform □ Dissolved As □ Dissolved As □ Dissolved Fe □ NO □ V □ NO □ Dissolved Fe □ Cd □ Na □ Zn □ SO4 □ Rad 226 □ Rad 228 □ CO □ Ni □ Hg □ NO □ V □ No □ No □ No □ No □ No □ No □ No	5200000		200000000										TII			oisture		D(olor	
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□ Cd □ Na □ Zn □ SO4 □ Rad 226 □ PH □ Hg □ Chlorides □ Particulate Matter □ ASS □ CASE □ CAS	2/1/2/16/					□ Br		☐ Dissolv				A fire to a too to the or our			other Tes	ts:		01	dashpo	int
□ Co □ Ni □ Hg □ PCB □ Particle Size □ Particulate Matter □ As □ TX □ COVER	57,0 (Sep. 03),03		195011038650			\$2000 September 2000	THE STATE OF THE S							NO STORY						in oil ,Cr,Ni,Pb
Paricie Size Cranicular Mante	10/4/2					C 2C	14	☐ Rad 228			0.01	hlorides			Fineness				Hg)	
								□ PCB					120		Particulate	Matter				
					Internation Co.	<u></u>								الا						

CEL Laboratories	LLC				SAMPLE RECEIPT & REVIEW FORM
Client: 5000			s		/AR/COC/Work Order: 584295/589294/584293/584289 V-C
Received By: Tye					Received: (1) 28 22
Carrier and Tracking Numb	er				Circle Applicable: FedEx Express FedEx Ground UPS Field Services Courier Other
Suspected Hazard Information	Yes	å		If N	et Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		L	M	Aazar	rd Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? YesNo
B) Did the client designate the samples received as radioactive?	re to be	-	6	coc	notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		8	A	Maxii	mum Net Counts Observed* (Observed Counts - Area Background Counts):CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Did the client designate samples are	nazardous?	L			notation or hazard labels on containers equal client designation.
E) Did the RSO identify possible hazard	s?	940	I	f D'c	or E is yes, select Hazards below. PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:
Sample Receipt Criteria	Ze Z	Y	, ,	2	Comments/Qualifiers (Required for Non-Conforming Items)
Shipping containers received in sealed?				-	Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2 Chain of custody documents ind with shipment?	luded	1		L	Circle Applicable: Client contacted and provided COC COC created upon receipt
3 Samples requiring cold preserve within (0 ≤ 6 deg. C)?*	ation c	1			Preservation Method: Wet Ice Jace Packs Dry ice None Other: *all temperatures are recorded in Celsius TEMP:
Daily check performed and pastemperature gun?	sed on IR			5	Temperature Device Serial #: <u>IR2-20</u> Secondary Temperature Device Serial # (If Applicable):
5 Sample containers intact and se	aled?			ľ	Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6 Samples requiring chemical pre at proper pH?	servation	1		I	Sample ID's and Containers Affected: If Preservation added, Lot#:
7 Do any samples require Vo Analysis?	latile			2	If Yes, are Encores or Soil Kits present for solids? YesNoNA(If yes, take to VOA Freezer) Do-fiquid VOA vials contain acid preservation? YesNoNA(If unknown, select No) Are liquid VOA vials free of headspace? YesNoNA Sample ID's and containers affected:
8 Samples received within holding	g time?			I	ID's and tests affected:
9 Sample ID's on COC match ID' bottles?	s on L			I	ID's and containers affected:
Date & time on COC match date on bottles?	e & time	1		_	Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
Number of containers received number indicated on COC?	la com			ľ	Circle Applicable: No container count on COC Other (describe)
Are sample containers identifia GEL provided by use of GEL I	abels?			4	
13 COC form is properly signed in relinquished/received sections?		1		(Circle Applicable: Not relinquished Other (describe)
Comments (Use Continuation Form if n	eeded):				1/4)

List of current GEL Certifications as of 26 July 2022

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-0651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	90129
Kentucky Wastewater	90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine Maine	2019020
24 1786/49 (26/219/079/078)	2019020
Maryland	p
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	SC000122022-5
New Hampshire NELAP	2054
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2019–165
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235-22-20
Utah NELAP	SC000122021-36
	VT87156
vermont	V 10/130
Vermont Virginia NELAP	460202











PO Box 30712 Charleston, SC 29417 2040 Savage Road Charleston, SC 29407 P 843.556.8171 F 843.766.1178

gel.com

July 25, 2022

Ms. Jeanette Gilmetti Santee Cooper P.O. Box 2946101 OCO3 Moncks Corner, South Carolina 29461

Re: ABS Lab Analytical Work Order: 584117

Dear Ms. Gilmetti:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on June 24, 2022. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4289.

Sincerely,

Julie Robinson Project Manager

Purchase Order: 398684

Enclosures



2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report for

SOOP001 Santee Cooper

Client SDG: 584117 GEL Work Order. 584117

The Qualifiers in this report are defined as follows:

- * A quality control analyte recovery is outside of specified acceptance criteria
- ** Analyte is a Tracer compound
- ** Analyte is a surrogate compound
- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Julie Robinson.

Reviewed by _____

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: July 25, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36876
Sample ID: 584117001
Matrix: Ground Water
Collect Date: 20-JUN-22 14:16

Receive Date: 24-JUN-22 Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analyst Date	Time Batch	Method
Rad Gas Flow Proportion	nal Counting	e								
GFPC, Ra228, Liquid "A	As Received"									
Radium-228	U	0.588	+/-0.926	1.61	3.00	pCi/L		JXC9 07/07/22	0845 2282277	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"							
Radium-226+228 Sum		1.29	+/-0.972			pCi/L		NXL1 07/14/22	0846 2282276	2
Rad Radium-226										
Lucas Cell, Ra226, Liqu	iid "As Recei	ved"								
Radium-226		0.702	+/-0.297	0.269	1.00	pCi/L		LXP1 07/12/22	0821 2282268	3
The following Analytic	al Methods w	ere perfo	ormed:							

	ED 1 00 1 0 (GW) 0 1 0 000 0 1 1 1 1 1 1 1	I may be committed
Method	Description	Analyst Comments

1 EPA 904.0/SW846 9320 Modified

2 Calculation 3 EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			86.7	(15%-125%)

Notes

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 3 of 23 SDG: 584117

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: July 25, 2022

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36901
Sample ID: 584117002
Matrix: Ground Water
Collect Date: 20-JUN-22 15:31
Receive Date: 24-JUN-22

Client

Client ID: SOOP001

Analyst Comments

SOOP00119

Project:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analyst Da	te	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Ra228, Liquid "As Received"												
Radium-228	U	1.17	+/-0.923	1.45	3.00	pCi/L		JXC9 07/0	/22	0845	2282277	1
Radium-226+Radium-2												
Radium-226+228 Sum		2.07	+/-0.996			pCi/L		NXL1 07/14	/22	0846	2282276	2
Rad Radium-226												
Lucas Cell, Ra226, Liqu	iid "As Recei	ved"										
Radium-226		0.900	+/-0.374	0.431	1.00	pCi/L		LXP1 07/12	/22	0821	2282268	3
The following Analytic	al Methods w	ere perfo	ormed:									

1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

78.6 (15%-125%)

Notes:

Method

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

Collector:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

Description

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 4 of 23 SDG: 584117

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Analyst Comments

Report Date: July 25, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36888 Sample ID: 584117003 Matrix: Ground Water Collect Date: 21-JUN-22 10:04 24-JUN-22 Receive Date:

Client Collector:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analyst Date	Time Batch	Method	
Rad Gas Flow Proportion	onal Counting										
GFPC, Ra228, Liquid "As Received"											
Radium-228	U	1.85	+/-1.22	1.88	3.00	pCi/L		JXC9 07/07/22	0845 2282277	1	
Radium-226+Radium-228 Calculation "See Parent Products"											
Radium-226+228 Sum		3.26	+/-1.30			pCi/L		NXL1 07/14/22	0846 2282276	2	
Rad Radium-226											
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"									
Radium-226		1.40	+/-0.453	0.418	1.00	pCi/L		LXP1 07/12/22	0821 2282268	3	
The following Analytic	al Methods w	ere perfo	ormed:								

The following Ana	iyucai Memous	were performed:

Description

Z	Calculation				
3	EPA 903.1 Modified				
Surrogate/T	racer Recovery Test	Result	Nominal	Recovery%	Acceptable Limit

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 77.9 (15%-125%)

Method

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor MDA: Minimum Detectable Activity RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 5 of 23 SDG: 584117

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: July 25, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36889
Sample ID: 584117004
Matrix: Ground Water
Collect Date: 21-JUN-22 11:09
Receive Date: 24-JUN-22

Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analyst Date	Time Batch	Method		
Rad Gas Flow Proportion	onal Counting	5										
GFPC, Ra228, Liquid "	As Received"											
Radium-228		1.72	+/-1.05	1.56	3.00	pCi/L		JXC9 07/07/22	0845 2282277	1		
Radium-226+Radium-228 Calculation "See Parent Products"												
Radium-226+228 Sum		2.62	+/-1.11			pCi/L		NXL1 07/14/22	0846 2282276	2		
Rad Radium-226												
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"										
Radium-226		0.891	+/-0.350	0.400	1.00	pCi/L		LXP1 07/12/22	0821 2282268	3		
The following Analytic	cal Methods w	ere perfo	ormed:									
N C (1 1	D									~		

EPA 904.0/SW846 9320 Modified
Calculation

2 Calculation 3 EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

78.3 (15%-125%)

Notes

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Project:

Client ID:

Report Date: July 25, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36890
Sample ID: 584117005
Matrix: Ground Water
Collect Date: 21-JUN-22 11:14
Receive Date: 24-JUN-22

Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analyst Date	Time Batch	Method
Rad Gas Flow Propor	tional Counting	0								
GFPC, Ra228, Liquid	"As Received"									
Radium-228	U	0.646	+/-1.08	1.87	3.00	pCi/L		JXC9 07/07/22	0845 2282277	1
Radium-226+Radium	-228 Calculatio	n "See Pa	arent Products"							
Radium-226+228 Sum		1.23	+/-1.13			pCi/L		NXL1 07/14/22	0846 2282276	2
Rad Radium-226										
Lucas Cell, Ra226, Li	quid "As Recei	ved"								
Radium-226	•	0.581	+/-0.358	0.494	1.00	pCi/L		LXP1 07/12/22	0852 2282268	3
The following Analyt	ical Methods w	ere perfo	ormed:							
Method	Description						Analys	st Comments		

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	•

2 Calculation 3 EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

84.3 (15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: July 25, 2022

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36891
Sample ID: 584117006
Matrix: Ground Water
Collect Date: 21-JUN-22 12:31
Receive Date: 24-JUN-22

Client

Client ID: SOOP001

Analyst Comments

SOOP00119

Project:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analyst Date	Time Batch	Method
Rad Gas Flow Proportio	nal Counting									
GFPC, Ra228, Liquid "A	As Received"									
Radium-228		5.24	+/-1.48	1.80	3.00	pCi/L		JXC9 07/12/2	2 0912 2282277	1
Radium-226+Radium-228 Calculation "See Parent Products"										
Radium-226+228 Sum		6.34	+/-1.53			pCi/L		NXL1 07/14/2	2 0846 2282276	2
Rad Radium-226										
Lucas Cell, Ra226, Liqu	iid "As Recei	ved"								
Radium-226		1.10	+/-0.391	0.310	1.00	pCi/L		LXP1 07/12/2	2 0852 2282268	3
The following Analytical Methods were performed:										

Surrogate/Tracer Recove	ery Test	Result	Nominal	Recovery%	Acceptable Limits
3	EPA 903.1 Modified				
2	Calculation				
1	EPA 904.0/SW846 9320 Modified				

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 82.7 (15%-125%)

Notes:

Method

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

Collector:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

Description

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 8 of 23 SDG: 584117

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: July 25, 2022

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36892
Sample ID: 584117007
Matrix: Ground Water
Collect Date: 21-JUN-22 13:23
Receive Date: 24-JUN-22

Client

Client ID: SOOP001

SOOP00119

Project:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analyst Da	e Time Batch	Method
Rad Gas Flow Proportion	nal Counting	r.								
GFPC, Ra228, Liquid "A	As Received"									
Radium-228		3.77	+/-1.42	1.97	3.00	pCi/L		JXC9 07/07/	22 0846 2282277	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"							
Radium-226+228 Sum		4.19	+/-1.44			pCi/L		NXL1 07/14	22 0846 2282276	2
Rad Radium-226										
Lucas Cell, Ra226, Liqu	ıid "As Recei	ved"								
Radium-226		0.415	+/-0.258	0.352	1.00	pCi/L		LXP1 07/12	22 0852 2282268	3
The following Analytic	al Methods w	ere perfo	ormed:							
Method	Description					A	Analys	st Comments		

Method	Description	
1	EPA 904.0/SW846 9320 Modified	

2 Calculation 3 EPA 903.1 Modified

Collector:

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

82.9 (15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 9 of 23 SDG: 584117

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: July 25, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36893
Sample ID: 584117008
Matrix: Ground Water
Collect Date: 21-JUN-22 14:23
Receive Date: 24-JUN-22

Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analyst Date	Time Batch	Method
Rad Gas Flow Proporti	onal Counting									
GFPC, Ra228, Liquid '	'As Received"									
Radium-228		3.76	+/-1.32	1.72	3.00	pCi/L		JXC9 07/07/22	0846 2282277	1
Radium-226+Radium-2	228 Calculatio	n "See Pa	arent Products"							
Radium-226+228 Sum		5.80	+/-1.40			pCi/L		NXL1 07/14/22	0846 2282276	2
Rad Radium-226										
Lucas Cell, Ra226, Liq	uid "As Recei	ved"								
Radium-226		2.04	+/-0.491	0.314	1.00	pCi/L		LXP1 07/12/22	0852 2282268	3
The following Analytic	cal Methods w	ere perfo	ormed:							
Mathad	Description						1 nolv.	at Comments		

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	<u> </u>

2 Calculation 3 EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 81.9 (15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 10 of 23 SDG: 584117

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: July 25, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36874
Sample ID: 584117009
Matrix: Ground Water
Collect Date: 22-JUN-22 10:27

Receive Date: 24-JUN-22 Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analyst Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting									
GFPC, Ra228, Liquid "	As Received"									
Radium-228	U	1.55	+/-1.31	2.13	3.00	pCi/L		JXC9 07/07/22	0846 2282277	1
Radium-226+Radium-2	228 Calculatio	n "See Pa	arent Products"							
Radium-226+228 Sum		1.79	+/-1.33			pCi/L		NXL1 07/14/22	0846 2282276	2
Rad Radium-226										
Lucas Cell, Ra226, Liq	uid "As Recei	ved"								
Radium-226	U	0.236	+/-0.231	0.363	1.00	pCi/L		LXP1 07/12/22	0852 2282268	3
The following Analytic	cal Methods w	ere perfo	ormed:							
Method	Description						Analys	st Comments		

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	•
2	Calculation	
3	EPA 903.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			83	(15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 11 of 23 SDG: 584117

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Units

Client ID:

PF

Report Date: July 25, 2022

DF Analyst Date Time Batch Method

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36861
Sample ID: 584117010
Matrix: Ground Water
Collect Date: 22-JUN-22 12:53
Receive Date: 24-JUN-22

Qualifier

TIDL 22 12.52

Result Uncertainty

Collector: Client

Rad Gas Flow Proportional Counting									
GFPC, Ra228, Liquid "As Received"									
U	0.947	+/-0.985	1.64	3.00	pCi/L	JXC9	07/07/22	0847 2282277	1
Radium-226+Radium-228 Calculation "See Parent Products"									
	2.12	+/-1.06			pCi/L	NXL1	07/14/22	0846 2282276	2
Lucas Cell, Ra226, Liquid "As Received"									
	1.18	+/-0.394	0.250	1.00	pCi/L	LXP1	07/12/22	0925 2282268	3
The following Analytical Methods were performed:									
Description Analyst Comments									
EPA 904.0/SW846 9320 Modified									
	As Received" 28 Calculation aid "As Received" al Methods we Description	As Received" 0.947 28 Calculation "See Pare 2.12 aid "As Received" 1.18 cal Methods were perform Description	As Received" U 0.947 +/-0.985 28 Calculation "See Parent Products" 2.12 +/-1.06 and "As Received" 1.18 +/-0.394 and Methods were performed: Description	As Received" U 0.947 +/-0.985 1.64 28 Calculation "See Parent Products" 2.12 +/-1.06 and "As Received" 1.18 +/-0.394 0.250 and Methods were performed: Description	As Received" U 0.947 +/-0.985 1.64 3.00 28 Calculation "See Parent Products" 2.12 +/-1.06 and "As Received" 1.18 +/-0.394 0.250 1.00 and Methods were performed: Description	As Received" U 0.947 +/-0.985 1.64 3.00 pCi/L 28 Calculation "See Parent Products" 2.12 +/-1.06 pCi/L and "As Received" 1.18 +/-0.394 0.250 1.00 pCi/L and Methods were performed: Description Analy	As Received" U 0.947 +/-0.985 1.64 3.00 pCi/L JXC9 28 Calculation "See Parent Products" 2.12 +/-1.06 pCi/L NXL1 and "As Received" 1.18 +/-0.394 0.250 1.00 pCi/L LXP1 and Methods were performed: Description Analyst Comments	As Received" U 0.947 +/-0.985 1.64 3.00 pCi/L JXC9 07/07/22 28 Calculation "See Parent Products" 2.12 +/-1.06 pCi/L NXL1 07/14/22 and "As Received" 1.18 +/-0.394 0.250 1.00 pCi/L LXP1 07/12/22 and Methods were performed: Description Analyst Comments	As Received" U 0.947 +/-0.985 1.64 3.00 pCi/L JXC9 07/07/22 0847 2282277 28 Calculation "See Parent Products" 2.12 +/-1.06 pCi/L NXL1 07/14/22 0846 2282276 and "As Received" 1.18 +/-0.394 0.250 1.00 pCi/L LXP1 07/12/22 0925 2282268 and Methods were performed: Description Analyst Comments

RL

MDC

EPA 904.0/SW846 9320 Modified
Calculation
EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

86.9 (15%-125%)

Notes:

Parameter

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: July 25, 2022

Company: Santee Cooper Address: P.O. Box 2946101

OCO₃

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36871 Sample ID: 584117011 Matrix: Ground Water Collect Date: 22-JUN-22 14:45 Receive Date: 24-JUN-22

Client

Project: Client ID: SOOP001

SOOP00119

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proportion	nal Counting	e I									
GFPC, Ra228, Liquid "A	As Received"										
Radium-228	U	1.30	+/-1.12	1.81	3.00	pCi/L		JXC9	07/07/22	0847 2282277	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"								
Radium-226+228 Sum		2.24	+/-1.18			pCi/L		NXL1	07/14/22	0846 2282276	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	iid "As Recei	ved"									
Radium-226		0.936	+/-0.387	0.345	1.00	pCi/L		LXP1	07/12/22	0925 2282268	3
The following Analytic	al Methods w	ere perfo	ormed:								

Method Description **Analyst Comments** EPA 904.0/SW846 9320 Modified

2 Calculation EPA 903.1 Modified

Collector:

Surrogate/Tracer Recovery Test Result **Nominal** Recovery% Acceptable Limits Barium-133 Tracer GFPC, Ra228, Liquid "As Received" (15%-125%)

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor MDA: Minimum Detectable Activity RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 13 of 23 SDG: 584117

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Certificate of Analysis

Project:

Client ID:

Report Date: July 25, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36869
Sample ID: 584117012
Matrix: Ground Water
Collect Date: 22-JUN-22 15:40

Receive Date: 24-JUN-22 Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analyst Date	Time Batch	Method
Rad Gas Flow Proporti	onal Counting									
GFPC, Ra228, Liquid '	'As Received"									
Radium-228		2.45	+/-0.946	1.14	3.00	pCi/L		JXC9 07/07/22	0847 2282277	1
Radium-226+Radium-2	228 Calculatio	n "See Pa	arent Products"							
Radium-226+228 Sum		2.99	+/-0.987			pCi/L		NXL1 07/14/22	0846 2282276	2
Rad Radium-226										
Lucas Cell, Ra226, Liq	uid "As Recei	ved"								
Radium-226		0.538	+/-0.279	0.331	1.00	pCi/L		LXP1 07/12/22	0925 2282268	3
The following Analytic	cal Methods w	ere perfo	ormed:							
Mathad	Description		·				\ nolve	et Commonts		

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	•

2 Calculation

3 EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

84.9 (15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Analyst Comments

Report Date: July 25, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO₃

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36870 Sample ID: 584117013 Matrix: Ground Water Collect Date: 22-JUN-22 15:45 Receive Date: 24-JUN-22

Client Collector:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analyst Date	Time Batch	Method
Rad Gas Flow Proportio	nal Counting	e								
GFPC, Ra228, Liquid "A	As Received"									
Radium-228		4.25	+/-1.46	1.86	3.00	pCi/L		JXC9 07/07/22	0943 2282277	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"							
Radium-226+228 Sum		4.38	+/-1.48			pCi/L		NXL1 07/14/22	0846 2282276	2
Rad Radium-226										
Lucas Cell, Ra226, Liqu	iid "As Recei	ved"								
Radium-226	U	0.124	+/-0.242	0.445	1.00	pCi/L		LXP1 07/12/22	0925 2282268	3
The following Analytic	al Methods w	ere perfo	ormed:							

1116 10110 111118 1	ridity trous structure dis trose po	110111041
Method	Description	

EPA 904.0/SW846 9320 Modified

2 Calculation EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result **Nominal** Recovery% Acceptable Limits Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 81.3 (15%-125%)

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma). Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor MDA: Minimum Detectable Activity **RL**: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Report Date: July 25, 2022

Santee Cooper P.O. Box 2946101

OCO3

Moncks Corner, South Carolina

Contact: Ms. Jeanette Gilmetti

Workorder: 584117

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range An	lst	Date Time
Rad Gas Flow Batch 2282277										
QC1205124936 584117001 DUP Radium-228	U	0.588		2.63	pCi/L	127*		(0% - 100%) J	XC9	07/07/22 08:44
Radium-228	Uncertainty	+/-0.926		+/-1.11	pCI/L	12/"		(0% - 100%) J.	АСЭ	07/07/22 08:44
QC1205124937 LCS										
Radium-228	45.3			37.8	pCi/L		83.3	(75%-125%)		07/07/22 08:45
	Uncertainty			+/-3.15						
QC1205124935 MB			**	0.000	0.4					05/05/00 00 44
Radium-228	Uncertainty		U	0.990 +/ - 0.924	pCi/L					07/07/22 08:44
Rad Ra-226 Batch 2282268 ———										
QC1205124915 584117001 DUP		0.703	TT	0.224	C: /I	100		(00/ 1000/) I	37D1	07/10/22 00 25
Radium-226	Uncertainty	0.702 +/-0.297	U	0.234 +/-0.184	pCi/L	100		(0% - 100%) L	XPI	07/12/22 09:25
	and the state of t									
QC1205124917 LCS Radium-226	26.5			21.9	pCi/L		82.4	(75%-125%)		07/12/22 09:58
	Uncertainty			+/-1.66				,		
QC1205124914 MB										
Radium-226			U	0.190	pCi/L					07/12/22 09:25
	Uncertainty			+/-0.263						
QC1205124916 584117001 MS										
Radium-226	131	0.702 +/-0.297		100 +/-7.68	pCi/L		76.2	(75%-125%)		07/12/22 09:58
	Uncertainty	T/-U.29/		±/-/.∪8						

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

The Qualifiers in this report are defined as follows:

** Analyte is a Tracer compound

< Result is less than value reported

> Result is greater than value reported

BD Results are either below the MDC or tracer recovery is low

FA Failed analysis.

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Page 1 of 2

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Workorder: 584117 Page 2 of 2 Parmname **NOM** Sample Qual QC Units RPD% REC% Range Anlst Date Time Н Analytical holding time was exceeded J See case narrative for an explanation J Value is estimated K Analyte present. Reported value may be biased high. Actual value is expected to be lower. L Analyte present. Reported value may be biased low. Actual value is expected to be higher. M M if above MDC and less than LLD REMP Result > MDC/CL and < RDL M N/A RPD or %Recovery limits do not apply. N1See case narrative ND Analyte concentration is not detected above the detection limit NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier Q One or more quality control criteria have not been met. Refer to the applicable narrative or DER. R Sample results are rejected U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD. UI Gamma Spectroscopy--Uncertain identification Gamma Spectroscopy--Uncertain identification UJ UL, Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias. X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier Y Other specific qualifiers were required to properly define the results. Consult case narrative.

^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.

h Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where the duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Page 17 of 23 SDG: 584117

Radiochemistry Technical Case Narrative Santee Cooper SDG #: 584117

Product: GFPC, Ra228, Liquid

Analytical Method: EPA 904.0/SW846 9320 Modified **Analytical Procedure:** GL-RAD-A-063 REV# 5

Analytical Batch: 2282277

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
584117001	AF36876
584117002	AF36901
584117003	AF36888
584117004	AF36889
584117005	AF36890
584117006	AF36891
584117007	AF36892
584117008	AF36893
584117009	AF36874
584117010	AF36861
584117011	AF36871
584117012	AF36869
584117013	AF36870
1205124935	Method Blank (MB)
1205124936	584117001(AF36876) Sample Duplicate (DUP)
1205124937	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Duplication Criteria between QC Sample and Duplicate Sample

The Sample and the Duplicate, (See Below), did not meet the relative percent difference requirement; however, they do meet the relative error ratio requirement with the value listed below.

Sample	Analyte	Value
1205124936 (AF36876DUP)	Radium-228	RPD 127* (0.0%-100.0%) RER 2.5 (0-3)

Technical Information

Recounts

Sample 584117006 (AF36891) was re-eluted and recounted to verify sample result. The recount is reported.

Page 18 of 23 SDG: 584117

Product: Lucas Cell, Ra226, Liquid Analytical Method: EPA 903.1 Modified

Analytical Procedure: GL-RAD-A-008 REV# 15

Analytical Batch: 2282268

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
584117001	AF36876
584117002	AF36901
584117003	AF36888
584117004	AF36889
584117005	AF36890
584117006	AF36891
584117007	AF36892
584117008	AF36893
584117009	AF36874
584117010	AF36861
584117011	AF36871
584117012	AF36869
584117013	AF36870
1205124914	Method Blank (MB)
1205124915	584117001(AF36876) Sample Duplicate (DUP)
1205124916	584117001(AF36876) Matrix Spike (MS)
1205124917	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

Additional Comments

The matrix spike, 1205124916 (AF36876MS), aliquot was reduced to conserve sample volume.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Page 19 of 23 SDG: 584117

Contract Lab Info: GEL

Contract Lab Due Date (Lab Only): 7 / 5 / 22

584117/4114

Send report to lcwillia@santeecooper.com sjbrown@santeecooper.com sjbrown.com <a href="mailt

Chain of Custody



Santee Cooper One Riverwood Drive Moneks Corner, SC 29461 Phone: (843)761-8000 Ext. 5148 Fax: (843)761-4175

Customer Email	/Report Recipient:	Date Resu	ilts Needed by:		Project/Tas	sk/Unit #:	Rerun request	for an	y fla	gged QC
LCWILLIA	@santeecooper.com			1259	15 / JM02	.07.601.1	365∞ Yes	No		
				1		ı		A		s Group
Labworks ID # (Internal use only)	Sample Location/ Description	Collection Date	Collection Time Sample Collector	Total # of containers Bottle type: (Glass-G/Plastic-P)	Grab (G) or Composite (C) Matrix(see below)	Misc.	Comments d # ing limit sample info her notes	RAD 226/228	TOTAL RAD CALC.	H9
AF36876	CBW-I	6/20/22 11	416 DEW	3 P	G GW	2 Hg 7470	RL 40.200 Mg/L	2	×	1
AF36901	PM-1	1:	531 1					2.	×	ı
AF36888	CGYP-1	6/21/22 10	co4			ā.		1	١	
89	CGYP-2	1 110	09							
90	COYP-2 DUP		(4							
91	CG1 Þ-3	12	231							
92	CGYP-4]]]]]]	323							
1 93	C646-6	14	23						\perp]
	2									
Relinquished by:	Employee# Date	Time	Received by:	Employee #	Date	Time	Sample Receiving (Internal U TEMP (°C):	Jse Onl Initial:		
Myrown Relinquished by:	89594 6/24/22 Employee# Date	Of the	Received by:	G E L_ Employee#	6/24/22 Date	935 Time	Correct pH: Yes No			
1010	682 6262	1511	HINAM	BH	66912	01515	Preservative Lot#:			
Relinquished by:	Employees Date	Time	Received by!	Employee #	Date	Time				
[7] 347	Transcount		V N				Date/Time/Init for preserva	itive:		
□ MI □ Ag □ Co □ Al □ Fe □ As □ K □ B □ Li □ Ba □ M □ Be □ M □ Ca □ M □ Cd □ Ni □ Co □ Ni □ Cr □ Pb	Sb)C IIN DT DT DT DT DT DT DT D	Dissolved As Dissolved Fe Lad 226 Lad 228	Wallboa Gypst below, AlM TOC Total Solul Parit 9 M Sulfi 0"pt Chlos	im(all) t. metals ofe Memls y (CaSO4) ofstore tes	Coal ☐ Ultimate ☐ % Moisture ☐ Ash ☐ Sulfur ☐ BTUs ☐ Volatile M. ☐ CHN Other Tests: ☐ XRF Scan ☐ HGI ☐ Fineness Particulate Matte	## Carbon Mineral Analysis Analysis Mineral Mi	CACORD IN CACORD	Monerality adjry active swolve d CM adjry active ac	Onal. are sure Strength d'Gases

7 / 5

Chain of Custody



Santee Cooper One Riverwood Drive Moneks Corner, SC 29461 Phone: (843)761-8000 Ext. 5148 Fax: (843)761-4175

LCWIL						eded b			rı	ojett	1 asky	Unit #:	Kerui	n request	tor ar	iy na	ggeo	QC
	HA	@sante	eecooper.com	www.uu.uu.	<i></i>			125	915	1 JW	102.	08.Gøl.3	1_36500	Yes	No			
															A	nalysi	s Grou	P
Labworks I (Internal us only)	223 (4.77 / 200)	Sample Loca Description		Collection Date	Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass-G/Plastic-P)	Grab (G) or Composite (C)	Matrix(see below)	Preservative (see	Misc	Comments and # orting limit . sample info other notes		RAD 226/228	TOTAL RAD CALC	Hg	
AF-200		CAP 12		6/21/2	F-15-18	DEW	Security 1				and the same of th	tha- 747	1 RL < 0.200	ug/L	e=2		+	salvent results
3687 AF-8		CAP-13		6/22/2		DEX	3	P	G	GW	2				2	1	100	
	61	CAP-1	TO THE THE THE THE THE THE THE THE THE THE		1253		ı	1			1							
8	71	OAP-10			1445													
	369	CAP-9			1240								**************************************					
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	0.10	7(1 1 1			1010							8		***************************************				
		***************************************												***************************************				
											<u> </u>		***************************************					
										L			Sample Receiving	(Internal L	Jse On	ly)		***********
Relinquish AMTOUR Relinquish	n	Employe 35594 Employe	6/24/22	Time D99/	DA	red by:		mployee mployee		Date 6/24/ Date	/22	Time	TEMP (°C): Correct pH: Y Preservative Lot	es No				
Relinquish) hed by:	Employe	ett ball	Stime	Recei	ed.by:	(^ E	mployee	" (C	Date	20-	ISIS Time	Freservauve Loi	.#:				
					\ \ \ \ \ \								Date/Time/Init fo	or preserva	itive:			
□Ag	☐ Cu		E30	rients	<u>MI</u> : □ BTEX	sc.		<u>G</u> y Walib	(DSUI	ū		<u>Coal</u> Ultimate	<u>Fiva</u>	STATE OF THE PARTY		<u>Q</u> ;	Qual	
□ Al	□ Fe	□ Se	D0		□ Napthal				sum(a	U		□ % Moist	ire □ LOI □ % Car			Aloes No		
□В	□Li		Z NH		□ VOC □ Oil & G	rease		ijΑ	IM			□ Sulfur	11 Miner	al [A	cidity	Sireng	di
□ Ba	□ M ₁		D.F.		□ E. Coli			U To	tal met			☐ BTUs ☐ Volatile		alysis	LF.	T	al Car	
□ Be	□ Mı	ı 🗆 Tī	SNO	2	Total Co □ pH				luble M my (Ca			□ CHN	□ % Mo		Use	d Oil		
□ Ca	□Мо	, uv	Br NO	1	☐ Dissolve			17%	Moistur Hites			ther Tests: XRF Scan		I) [1]) (1)	ashpo Clais I	n n eri	
□ Cd	□Na	□Zn			☐ Rad 226			⊈pH			1 =	HGI	NPD Doil&G		(i	l. Cd	Či,Ni,	Pb
□Со	□Ni	□Hg			☐ Rad 228 ☐ PCB				dorides rticle Si	78		Fineness Particulate Ma	tter UAs		7) 7			
□ Cr	□РЬ	□ Cr	VI					Sulfar					HTSS	T	GO	E E.R.		

Cli	ent; (C)(O			sn	SAMPLE RECEIPT & REVIEW FORM G/AR/COC/Work Order: 584105/4103/4102/4117/
Re	ceived By: MVH				te Received: Op 12412022
	Carrier and Tracking Number				Circle Applicable: FedEx Express FedEx Ground UPS Field Services Courfer Other
Sus	spected Hazard Information	Yes	N _o	*If	Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)S	Shipped as a DOT Hazardous?		X	Haz	ard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes No
	Did the client designate the samples are to be eived as radioactive?		X	CO	C notation or radioactive stickers on containers equal client designation.
	Did the RSO classify the samples as oactive?		X	Max	ximum Net Counts Observed* (Observed Counts - Area Background Counts):CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
<u>)</u>	Did the client designate samples are hazardous?		X		C notation or hazard labels on containers equal client designation. or E is yes, select Hazards below.
<u>:) I</u>	Did the RSO identify possible hazards?		X		PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:
	Sample Receipt Criteria	Yes	Z	%	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and scaled?	X			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	X			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	Samples requiring cold preservation within $(0 \le 6 \text{ deg. C})$?*	X			Preservation Method: Wet Ice Ice Packs Dry ice None Other: *all temperatures are recorded in Celsius TEMP:
4	Daily check performed and passed on IR temperature gun?	X			Temperature Device Serial #: <u>IR2-21</u> Secondary Temperature Device Serial # (If Applicable):
5	Sample containers intact and sealed?	X			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6	Samples requiring chemical preservation at proper pH?		Mosesson	X	Sample ID's and Containers Affected: If Preservation added, Lot#: 200-00-18P
7	Do any samples require Volatile Analysis?			X	If Yes, are Encores or Soil Kits present for solids? YesNoNA(If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? YesNoNA(If unknown, select No) Are liquid VOA vials free of headspace? YesNoNA Sample ID's and containers affected:
8	Samples received within holding time?	X			TD's and tests affected:
9	Sample ID's on COC match ID's on bottles?	X		*****	ID's and containers affected:
10	Date & time on COC match date & time on bottles?	X			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
11	Number of containers received match number indicated on COC?	X			Circle Applicable: No container count on COC Other (describe)
12	Are sample containers identifiable as GEL provided by use of GEL labels?	9		X	
	COC form is properly signed in relinquished/received sections?	2			Circle Applicable: Not relinquished Other (describe)
13		3			Circle Applicable: Not relinquished Other (describe)

List of current GEL Certifications as of 25 July 2022

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PO Box 30712 Charleston, SC 29417 2040 Savage Road Charleston, SC 29407 P 843,556,8171 F 843.766.1178

gel.com

July 26, 2022

Ms. Jeanette Gilmetti Santee Cooper P.O. Box 2946101 OCO3 Moncks Corner, South Carolina 29461

Re: ABS Lab Analytical Work Order: 584293

Dear Ms. Gilmetti:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on June 28, 2022. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4289.

Sincerely,

Julie Robinson Project Manager

Purchase Order: 398684

Enclosures



2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report for

SOOP001 Santee Cooper

Client SDG: 584293 GEL Work Order: 584293

The Qualifiers in this report are defined as follows:

- * A quality control analyte recovery is outside of specified acceptance criteria
- ** Analyte is a Tracer compound
- ** Analyte is a surrogate compound
- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Julie Robinson.

Reviewed by

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: July 26, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti ABS Lab Analytical Project:

Client Sample ID: AF36868 Sample ID: 584293001 Matrix: Ground Water Collect Date: 23-JUN-22 10:05 Receive Date:

28-JUN-22

Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Anal	yst Date	Time Batch	Method
Rad Gas Flow Proportional Counting											
GFPC, Ra228, Liquid ".	As Received"										
Radium-228	U	1.21	+/-1.08	1.74	3.00	pCi/L		JXC9	07/07/22	1021 2283618	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"								
Radium-226+228 Sum		1.97	+/-1.13			pCi/L		1 NXL	07/25/22	0839 2287052	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"									
Radium-226		0.756	+/-0.325	0.344	1.00	pCi/L		LXP1	07/13/22	0836 2283604	3
The following Analytical Methods were performed:											
Method	Description		·			A	Analys	st Commen	ts		

Method	Description	Analyst Commer
1	EPA 904.0/SW846 9320 Modified	·

2 Calculation EPA 903.1 Modified

Collector:

Surrogate/Tracer Recovery Test Result **Nominal** Recovery% Acceptable Limits Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 68.1 (15%-125%)

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor RL: Reporting Limit MDA: Minimum Detectable Activity

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Project:

Client ID:

Report Date: July 26, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36867
Sample ID: 584293002
Matrix: Ground Water
Collect Date: 23-JUN-22 11:16

Receive Date: 28-JUN-22 Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analyst Da	e Time Batch	Method
Rad Gas Flow Proportio	nal Counting	67								
GFPC, Ra228, Liquid "A	As Received"									
Radium-228	U	1.11	+/-1.54	2.64	3.00	pCi/L		JXC9 07/12	22 0911 2283618	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"							
Radium-226+228 Sum		1.99	+/-1.58			pCi/L		1 NXL1 07/25	22 0839 2287052	2
Rad Radium-226										
Lucas Cell, Ra226, Liqu	iid "As Recei	ved"								
Radium-226		0.876	+/-0.354	0.311	1.00	pCi/L		LXP1 07/13	22 0836 2283604	. 3
The following Analytical Methods were performed:										
3.6.21 1	T									

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	•

2 Calculation 3 EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

67.7 (15%-125%)

Notes

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Project:

Client ID:

Report Date: July 26, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti ABS Lab Analytical Project:

Client Sample ID: AF36866 Sample ID: 584293003 Matrix: Ground Water Collect Date: 23-JUN-22 12:15 28-JUN-22

Receive Date: Client Collector:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analyst I	Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting	6)									
GFPC, Ra228, Liquid "A	As Received"										
Radium-228	U	0.955	+/-1.03	1.72	3.00	pCi/L		JXC9 07/	07/22	1022 2283618	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"								
Radium-226+228 Sum		2.80	+/-1.12			pCi/L		1 NXL1 07/	25/22	0839 2287052	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"									
Radium-226		1.84	+/-0.440	0.279	1.00	pCi/L		LXP1 07/	13/22	0836 2283604	3
The following Analytical Methods were performed:											
31.6.14. 4								~			

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	•

2 Calculation EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result **Nominal** Recovery% Acceptable Limits Barium-133 Tracer

GFPC, Ra228, Liquid "As Received" (15%-125%)

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor RL: Reporting Limit MDA: Minimum Detectable Activity

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: July 26, 2022

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Client

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36865
Sample ID: 584293004
Matrix: Ground Water
Collect Date: 23-JUN-22 13:27
Receive Date: 28-JUN-22

Client ID: SOOP001

SOOP00119

Project:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proportion	nal Counting										
GFPC, Ra228, Liquid "A	As Received"										
Radium-228		6.09	+/-1.31	1.33	3.00	pCi/L		JXC9	07/12/22	0911 2283618	1
Radium-226+Radium-228 Calculation "See Parent Products"											
Radium-226+228 Sum		11.4	+/-1.50			pCi/L		1 NXL1	07/25/22	0839 2287052	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	ıid "As Recei	ved"									
Radium-226		5.28	+/-0.719	0.348	1.00	pCi/L		LXP1	07/13/22	0836 2283604	3
The following Analytical Methods were performed:											

MethodDescriptionAnalyst Comments1EPA 904.0/SW846 9320 Modified

2 Calculation 3 EPA 903.1 Modified

Collector:

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

98.5 (15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: July 26, 2022

Company: Santee Cooper Address: P.O. Box 2946101

OCO₃

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36864
Sample ID: 584293005
Matrix: Ground Water
Collect Date: 23-JUN-22 14:49
Receive Date: 28-JUN-22

Client

Client ID: SOOP001

Analyst Comments

SOOP00119

Project:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proportio	nal Counting	Ø.									
GFPC, Ra228, Liquid "A	As Received"										
Radium-228		2.26	+/-1.35	2.09	3.00	pCi/L		JXC9	07/07/22	1022 2283618	1
Radium-226+Radium-228 Calculation "See Parent Products"											
Radium-226+228 Sum		2.97	+/-1.39			pCi/L		1 NXL1	07/25/22	0839 2287052	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	iid "As Recei	ved"									
Radium-226		0.713	+/-0.313	0.337	1.00	pCi/L		LXP1	07/13/22	0836 2283604	3
The following Analytical Methods were performed:											

Method Description

Calculation

3 EPA	903.1 Modified				
Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 81.1 (15%-125%)

Notes:

2

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

Collector:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: July 26, 2022

Company: Santee Cooper Address: P.O. Box 2946101

OCO₃

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36863
Sample ID: 584293006
Matrix: Ground Water
Collect Date: 23-JUN-22 16:08
Receive Date: 28-JUN-22

Client

Client ID: SOOP001

Analyst Comments

SOOP00119

Project:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proportion	nal Counting										
GFPC, Ra228, Liquid "A	As Received"										
Radium-228	U	0.0795	+/-0.893	1.66	3.00	pCi/L		JXC9	07/07/22	1022 2283618	1
Radium-226+Radium-228 Calculation "See Parent Products"											
Radium-226+228 Sum		3.86	+/-1.08			pCi/L		1 NXL1	07/25/22	0839 2287052	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	iid "As Recei	ved"									
Radium-226		3.78	+/-0.601	0.188	1.00	pCi/L		LXP1	07/13/22	0836 2283604	3
The following Analytical Methods were performed:											

Method	Description	
1	EPA 904.0/SW846 9320 Modified	
2	Calculation	

3 EPA 903.1 Modified

Collector:

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

86.3 (15%-125%)

Notes

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Report Date: July 26, 2022

Santee Cooper P.O. Box 2946101

OCO3

Moncks Corner, South Carolina

Contact: Ms. Jeanette Gilmetti

Workorder: 584293

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range Anlst	Date Time
Rad Gas Flow Batch 2283618									
QC1205128000 584293001 DU Radium-228	UP U Uncertainty	1.21 +/-1.08	U	0.877 +/-1.62	pCi/L	N/A		N/A JXC9	07/07/22 10:27
QC1205128001 LCS Radium-228	45.0 Uncertainty			43.5 +/-3.39	pCi/L		96.7	(75%-125%)	07/07/22 10:22
QC1205127999 MB Radium-228	Uncertainty		U	0.456 +/-0.900	pCi/L				07/07/22 10:21
Rad Ra-226 Batch 2283604									
QC1205127964 584293001 Dt Radium-226	UP Uncertainty	0.756 +/-0.325		0.607 +/-0.283	pCi/L	21.9		(0% - 100%) LXP1	07/13/22 09:08
QC1205127966 LCS Radium-226	26.6 Uncertainty			21.8 +/-1.44	pCi/L		81.8	(75%-125%)	07/13/22 09:08
QC1205127963 MB Radium-226	Uncertainty		U	0.0825 +/-0.194	pCi/L				07/13/22 09:08
QC1205127965 584293001 M Radium-226	S 131 Uncertainty	0.756 +/-0.325		125 +/-7.81	pCi/L		94.3	(75%-125%)	07/13/22 09:08

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

The Qualifiers in this report are defined as follows:

** Analyte is a Tracer compound

< Result is less than value reported

> Result is greater than value reported

BD Results are either below the MDC or tracer recovery is low

FA Failed analysis.

Page 9 of 15 SDG: 584293

Page 1 of 2

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Workorder: 584293 Page 2 of 2 Parmname **NOM** Sample Qual QC Units RPD% REC% Range Anlst Date Time Н Analytical holding time was exceeded J See case narrative for an explanation J Value is estimated K Analyte present. Reported value may be biased high. Actual value is expected to be lower. L Analyte present. Reported value may be biased low. Actual value is expected to be higher. M M if above MDC and less than LLD REMP Result > MDC/CL and < RDL M N/A RPD or %Recovery limits do not apply. N1See case narrative ND Analyte concentration is not detected above the detection limit NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier Q One or more quality control criteria have not been met. Refer to the applicable narrative or DER. R Sample results are rejected U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD. UI Gamma Spectroscopy--Uncertain identification Gamma Spectroscopy--Uncertain identification UJ UL, Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias. X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier Y Other specific qualifiers were required to properly define the results. Consult case narrative.

^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.

h Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where the duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Page 10 of 15 SDG: 584293

Radiochemistry Technical Case Narrative Santee Cooper SDG #: 584293

Product: Radium-226+Radium-228 Calculation

Analytical Method: Calculation

Analytical Procedure: GL-RAD-D-003 REV# 45

Analytical Batch: 2287052

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
584293001	AF36868
584293002	AF36867
584293003	AF36866
584293004	AF36865
584293005	AF36864
584293006	AF36863

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: GFPC, Ra228, Liquid

Analytical Method: EPA 904.0/SW846 9320 Modified **Analytical Procedure:** GL-RAD-A-063 REV# 5

Analytical Batch: 2283618

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
584293001	AF36868
584293002	AF36867
584293003	AF36866
584293004	AF36865
584293005	AF36864
584293006	AF36863
1205127999	Method Blank (MB)
1205128000	584293001(AF36868) Sample Duplicate (DUP)
1205128001	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Page 11 of 15 SDG: 584293

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Recounts

Samples 584293002 (AF36867) and 584293004 (AF36865) were re-eluted and recounted to verify sample results. The recounts are reported.

Product: Lucas Cell, Ra226, Liquid Analytical Method: EPA 903.1 Modified

Analytical Procedure: GL-RAD-A-008 REV# 15

Analytical Batch: 2283604

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
584293001	AF36868
584293002	AF36867
584293003	AF36866
584293004	AF36865
584293005	AF36864
584293006	AF36863
1205127963	Method Blank (MB)
1205127964	584293001(AF36868) Sample Duplicate (DUP)
1205127965	584293001(AF36868) Matrix Spike (MS)
1205127966	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

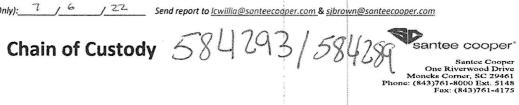
Additional Comments

The matrix spike, 1205127965 (AF36868MS), aliquot was reduced to conserve sample volume.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Page 12 of 15 SDG: 584293



Leworks ID # Sample Location Description Descripti	Cust	omer E	mail/	Rep	ort Recipie	nt:	Date Re	esults Ne	eded b	y:		Pr	oject/	Task/l	Jnit #:		Rerun request	for ar	y fla	ged QC
Labworks ID # Comments Description D	Lc	WILLIA	۲-		@santeeco	ooper.com					125	915	J_JM	52.05	s. Gøl.	3/3650	yes	No		
Description Description																man, C. S. San	(Non-philipse)	A	nalysis	Group
67	(Inte	ernal use				1	Collection Date	Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass-G/Plastic-P)	Grab (G) or Composite (C)	Matrix(see below)	Preservative (see below)	• R	ethod # eporting limit lisc, sample in		226/	\$	4
Relinquished by: Employee# Date Time Received by: Employee # Date Time TEMP (**C): Initial: Temployee# Date Time Received by: Employee # Date Time TEMP (**C): Initial: TEMP (**C): AF	3686	8	CA	P-8		6/23/22	1005	閚	3	P着	G	GW	¥2.	HG	1470 RL<	0.200 49/L	1	×	1	
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Relinquished by: Employee# Date Time Received by: Employee# Date Time Date/Time/Init for preservative:		,												<u></u>	<u></u>					
Relinquished by: Employee# Date Time Received by: Employee # Date Time Preservative Lot#: METALS (all)	R	elinquish	ed by:		Employee#	Date	Time	Receiv	red by:	E	mployee	#	Date	•	Time					
Refinquished by: Employee# Date lime Received by: Employee# Date lime Preservative Lot#: METALS (all	- 11							All	2	NIS SOLD PASSERS					2 2 20	Correct	pH: Yes N	0		
Nutrients	R	elinquish	ed by:		Employee#	Date	Time									Ш.,				
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□ METALS (all)	R	eiinquish	ed by:	_	Employee#	" Date"	∀ Time	Recen	red by:		mployee	9 #	Date	•	ime	Date /Ti	ma/Init for procor	untina		
□ Ag □ Cu □ Sb □ TOC □ BTEX □ Wallboard □ Ultimate □ Anmonia □ Trans. Oils □ As □ K □ Sn □ TP/TPO4 □ VOC □ THM/HAA □ Wallboard □ Wallboard □ Wallboard □ Ultimate □ Anmonia □ Trans. Oils □ % Moisture □ LOI □ % Moisture □ LOI □ % Moisture □ LOI □ % Moisture □ Color □ AlM □ Sulfur □ Mineral □ Dielectric □ Dielectric □ TOC □ BTUs □ Analysis □ IFI □ Diesolved □ Total Coliform □ Total metals □ Volatile Matter □ Sieve □ Dissolved □ Dissolved □ CHN □ % Moisture □ Used Oil □ Princess □ Princess □ Princess □ Fineness □ Fineness □ Oil & Grease □ PR □ Cd □ Na □ Total □ Dissolved As □ Soluble Metals □ Wallboard □ CHN □ Wallboard □ Princess □ Oil & Grease □ Dissolved □ Princess □ Pr	L									500000					Owner of the owner owner	Date, III	ne/ intro preser	vauve.		
□ Al □ Fe □ Se □ IOC □ BTEX □ Wallboard □ Uttimate □ Ammonia □ %Moisture □ LOI □ Ashlum □ LOI □ Ashlum □ LOI				_		Nut	rients	MI	SC.		<u>G</u> y	/psu	<u>m</u>		<u>Co</u>	<u>al</u>	<u>Flyash</u>		<u>Oi</u>	<u>I</u>
□ As □ K □ Sn □ TP/TPO4 □ THM/HAA □ Color □ Ash □ Ash □ Color □ Ash □ Color □ Ash □ Color □ Ash □ Color □ Ash □ Soluble □ TOC □ Ash □ Mineral □ Disectric □ TOC □ BTUs □ Analysis □ IFI □ Dissolve □ CHN □ Youtable Matter □ Sieve □ Dissolve □ Dissolve □ Used Oil □ Used Oil □ CHN □ Volatile Matter □ Youtable Matter □ Sieve □ Dissolve □ Dissolve □ Dissolve □ CHN □ Volatile Matter □ Youtable Matter □ Sieve □ Dissolve □ Purity (CaSO4) □ CHN □ Volatile Matter □ Volatile Matter □ Sieve □ Dissolve □ Dissolve □ Purity (CaSO4) □ Volatile Matter □ Youtable Matter □ Volatile M	-		PARKET PARKS CLA	100000000000000000000000000000000000000		\$0.000 CONTRACTOR (CONTRACTOR)	GASSITORNESSOSIBILIDADES XXXXX													
□ B □ Li □ Sr □ NH3-N □ VOC □ Oil & Grease □ E. Coli □ Total Coliform □ Dissolved As □ Dissolved As □ Dissolved Fe □ NO □ V □ NO □ Dissolved Fe □ Cd □ Na □ Zn □ SO4 □ Rad 226 □ Rad 228 □ CO □ Ni □ Hg □ NO □ V □ No □ No □ No □ No □ No □ No □ No	5200000		200000000										TII			oisture		D(olor	
□ Ba □ Mg □ Ti □ E. Coli □ Total metals □ Soluble Metals □ CHN □ Sieve □ Dissolved As □ Dissolved As □ Dissolved As □ Dissolved As □ Dissolved Fe □ Dissolv			20000000	0.869	Control of the Contro	UNI	CONTRACTOR CONTRACTOR		тезсе		13. A	IM			□ Sulfu		☐ Mineral			
□ Be □ Mn □ Tl □ NO2 □ PH □ Dissolved As □ Dissolved As □ Dissolved Fe □ NO3 □ SOluble Metals □ Cd □ Na □ Zn □ SO4 □ Rad 226 □ Rad 228 □ Co □ Ni □ Hg □ PCB □ Particle Size □ Particulate Matter □ Sieve □ Dissolved Matter □ Soluble Metals □ Chlorides □ Ph □ Chlorides □ Particulate Matter □ Sieve □ Dissolved □ Used Obligation □ Chlorides □ Ph □ Chlorides □ Particulate Matter □ Sieve □ Dissolved □ Used Obligation □ Chlorides □ Ph □ Chlorides □ Ph □ Chlorides □ Particulate Matter □ Sieve □ Dissolved □ Used Obligation □ Chlorides □ Ph □ Chlorides □ Ph □ Chlorides □ Particulate Matter □ Sieve □ Dissolved □ Used Obligation □ Chlorides □ Ph □ Chlorides □ Ph □ Chlorides □ Particulate Matter □ Sieve □ Dissolved □ Used Obligation □ Chlorides □ Ph □ Chlorides □ Ph □ Chlorides □ Ph □ Chlorides □ Particulate Matter □ Sieve □ Dissolved No Used Obligation □ Chlorides □ Ph □ Ch	1127		2001711-0000						icase				als					(0.1	FT	
□ Ca □ Mo □ V □ Dissolved As □ Dissolved As □ Dissolved Fe □ Sulfites □ ARF Scan □ MPDES □ Metals in (As, Cd, the photograph of the photo				10000100000	nic was executive)2		oliform		⊕ (∃ Sa	oluble N	1etals		TATE OF THE SECURITY OF THE SE					
□ Cd □ Na □ Zn □ SO4 □ Rad 226 □ PH □ Hg □ Chlorides □ Particulate Matter □ ASS □ CASE □ CAS	2/1/2/16/					□ Br		☐ Dissolv				A fire to a too to the or our			other Tes	ts:		01	dashpo	int
□ Co □ Ni □ Hg □ PCB □ Particle Size □ Particulate Matter □ As □ TX □ COVER	57,0 (Sep. 03),03		195011038650			\$2000 September 2000	THE STATE OF THE S							NO STORY						in oil ,Cr,Ni,Pb
Paricie Size Cranicular Mante	10/4/2					C 2C	14	☐ Rad 228			0.01	hlorides			Fineness				Hg)	
								□ PCB					120		Particulate	Matter				
					Internation Co.	<u></u>								الا						

CEL Laboratories	LLC				SAMPLE RECEIPT & REVIEW FORM
Client: 5000			s		/AR/COC/Work Order: 584295/589294/584293/584289 V-C
Received By: Tye					Received: (1) 28 22
Carrier and Tracking Numb	er				Circle Applicable: FedEx Express FedEx Ground UPS Field Services Courier Other
Suspected Hazard Information	Yes	å		If N	et Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		L	M	Aazar	rd Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? YesNo
B) Did the client designate the samples received as radioactive?	re to be	-	6	coc	notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		8	A	Maxii	mum Net Counts Observed* (Observed Counts - Area Background Counts):CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Did the client designate samples are	nazardous?	L			notation or hazard labels on containers equal client designation.
E) Did the RSO identify possible hazard	s?	940	I	f D'c	or E is yes, select Hazards below. PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:
Sample Receipt Criteria	Ze Z	Y	, ,	2	Comments/Qualifiers (Required for Non-Conforming Items)
Shipping containers received in sealed?				-	Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2 Chain of custody documents ind with shipment?	luded	1		L	Circle Applicable: Client contacted and provided COC COC created upon receipt
3 Samples requiring cold preserve within (0 ≤ 6 deg. C)?*	ation c	1			Preservation Method: Wet Ice Jace Packs Dry ice None Other: *all temperatures are recorded in Celsius TEMP:
Daily check performed and pastemperature gun?	sed on IR			5	Temperature Device Serial #: <u>IR2-20</u> Secondary Temperature Device Serial # (If Applicable):
5 Sample containers intact and se	aled?			ľ	Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6 Samples requiring chemical pre at proper pH?	servation	1		I	Sample ID's and Containers Affected: If Preservation added, Lot#:
7 Do any samples require Vo Analysis?	latile			2	If Yes, are Encores or Soil Kits present for solids? YesNoNA(If yes, take to VOA Freezer) Do-fiquid VOA vials contain acid preservation? YesNoNA(If unknown, select No) Are liquid VOA vials free of headspace? YesNoNA Sample ID's and containers affected:
8 Samples received within holding	g time?			I	ID's and tests affected:
9 Sample ID's on COC match ID' bottles?	s on L			I	ID's and containers affected:
Date & time on COC match date on bottles?	e & time	1		_	Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
Number of containers received number indicated on COC?	la com			ľ	Circle Applicable: No container count on COC Other (describe)
Are sample containers identifia GEL provided by use of GEL I	abels?			4	
13 COC form is properly signed in relinquished/received sections?		1		(Circle Applicable: Not relinquished Other (describe)
Comments (Use Continuation Form if n	eeded):				1/4)

List of current GEL Certifications as of 26 July 2022

State	Certification							
Alabama	42200							
Alaska	17-018							
Alaska Drinking Water	SC00012							
Arkansas	88-0651							
CLIA	42D0904046							
California	2940							
Colorado	SC00012							
Connecticut	PH-0169							
DoD ELAP/ ISO17025 A2LA	2567.01							
Florida NELAP	E87156							
Foreign Soils Permit	P330-15-00283, P330-15-00253							
Georgia	SC00012							
Georgia SDWA	967							
Hawaii	SC00012							
Idaho	SC00012							
Illinois NELAP	200029							
Indiana	C-SC-01							
Kansas NELAP	E-10332							
Kentucky SDWA	90129							
Kentucky Wastewater	90129							
Louisiana Drinking Water	LA024							
Louisiana Drinking Water Louisiana NELAP	03046 (AI33904)							
Maine Maine	2019020							
24 1786/49 (26/21/4074/2016)	2019020							
Maryland	p							
Massachusetts	M-SC012							
Massachusetts PFAS Approv	Letter							
Michigan	9976							
Mississippi	SC00012							
Nebraska	NE-OS-26-13							
Nevada	SC000122022-5							
New Hampshire NELAP	2054							
New Jersey NELAP	SC002							
New Mexico	SC00012							
New York NELAP	11501							
North Carolina	233							
North Carolina SDWA	45709							
North Dakota	R-158							
Oklahoma	2019–165							
Pennsylvania NELAP	68-00485							
Puerto Rico	SC00012							
S. Carolina Radiochem	10120002							
Sanitation Districts of L	9255651							
South Carolina Chemistry	10120001							
Tennessee	TN 02934							
Texas NELAP	T104704235-22-20							
Utah NELAP	SC000122021-36							
	VT87156							
vermont	V 10/130							
Vermont Virginia NELAP	460202							



a member of The GEL Group INC







PO Box 30712 Charleston, SC 29417 2040 Savage Road Charleston, SC 29407 P 843.556.8171 F 843.766.1178

gel.com

July 11, 2022

Ms. Jeanette Gilmetti Santee Cooper P.O. Box 2946101 OCO3 Moncks Corner, South Carolina 29461

Re: ABS Lab Analytical Work Order: 584794

Dear Ms. Gilmetti:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 01, 2022. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4289.

Sincerely,

Julie Robinson Project Manager

Purchase Order: 398684

Enclosures



2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report for

SOOP001 Santee Cooper

Client SDG: 584794 GEL Work Order: 584794

The Qualifiers in this report are defined as follows:

- * A quality control analyte recovery is outside of specified acceptance criteria
- ** Analyte is a Tracer compound
- ** Analyte is a surrogate compound
- J See case narrative for an explanation
- J Value is estimated
- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Julie Robinson.

Reviewed by

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Analyst Comments

Report Date: July 11, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36885
Sample ID: 584794001
Matrix: Ground Water
Collect Date: 29-JUN-22 09:30
Receive Date: 01-JUL-22

Receive Date: 01-JUI
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analy	st Date	Time Batch	Method
Carbon Analysis											
SM 5310 B Total Org	anic Carbon "A	s Received"									
Total Organic Carbon Aver	rage J	0.441	0.330	1.00	mg/L		1	TSM	07/02/22	2307 2284974	1
Mercury Analysis-CV	'AA										
7470 Cold Vapor Mei	cury, Liquid "A	As Received"									
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1.	JP2	07/11/22	1455 2287509	2
The following Prep M	lethods were pe	erformed:									
Method	Description	1		Analyst	Date	8	Time	e Pi	rep Batch		
SW846 7470A Prep	EPA 7470A N	Mercury Prep Liquid		RM4	07/08/22		1233	22	87507		
The following Analys	tical Methods w	vere performed:									

Method Description

1 SM 5310 B 2 SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 3 of 29 SDG: 584794

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: July 11, 2022

SOOP00119

SOOP001

Company: Santee Cooper P.O. Box 2946101 Address:

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36886 Sample ID: 584794002 Matrix: Ground Water 29-JUN-22 10:33 Collect Date: 01-JUL-22

Receive Date: Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analy	st Date	Time Ba	tch Metl	nod
Carbon Analysis												
SM 5310 B Total Orga	nic Carbon " <i>A</i>	As Received"										
Total Organic Carbon Avera	ige J	0.643	0.330	1.00	mg/L		1	TSM	07/03/22	0006 228	4974	1
Mercury Analysis-CV	AA											
7470 Cold Vapor Merc	cury, Liquid "A	As Received"										
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/11/22	1457 228	7509	2
The following Prep Me	ethods were pe	erformed:										
Method	Description	n		Analyst	Date	,	Time	e Pi	ep Batch		•	
SW846 7470A Prep	EPA 7470A N	Mercury Prep Liquid		RM4	07/08/22		1233	22	87507			
The following Analyti	ical Methods v	vere performed:										

Method **Analyst Comments** Description SM 5310 B

SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor MDA: Minimum Detectable Activity RL: Reporting Limit

MDC: Minimum Detectable Concentration **SQL**: Sample Quantitation Limit

Page 4 of 29 SDG: 584794

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: July 11, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36887 Sample ID: 584794003 Matrix: Ground Water Collect Date: 29-JUN-22 11:40

Receive Date: 01-JUL-22 Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Anal	yst Date	Time Batch	Method
Carbon Analysis											
SM 5310 B Total Org	ganic Carbon " <i>A</i>	As Received"									
Total Organic Carbon Ave	rage J	0.626	0.330	1.00	mg/L		1	TSM	07/03/22	0025 228497	4 1
Mercury Analysis-CV	VAA										
7470 Cold Vapor Me	rcury, Liquid "A	As Received"									
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/11/22	1515 228750	9 2
The following Prep N	Methods were pe	erformed:									
Method	Description	n		Analyst	Date		Time	e P	rep Batch		
SW846 7470A Prep	EPA 7470A N	Mercury Prep Liquid		RM4	07/08/22		1233	22	287507		
The following Analy	tical Mathada v	wara narfarmad									

The following Analytical Methods were performed:

Method Description Analyst Comments

SM 5310 B

Analyst Comments

2 SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: July 11, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36877
Sample ID: 584794004
Matrix: Ground Water
Collect Date: 29-JUN-22 13:10
Receive Date: 01-JUL-22

Collector: Client

Parameter Qualifier Result DL RL Units PF DF Analyst Date Time Batch Method

Mercury Analysis-CVAA

7470 Cold Vapor Mercury, Liquid "As Received"

Mercury U ND 0.0670 0.200 ug/L 1.00 1 JP2 07/11/22 1517 2287509

The following Prep Methods were performed:

MethodDescriptionAnalystDateTimePrep BatchSW846 7470A PrepEPA 7470A Mercury Prep LiquidRM407/08/2212332287507

The following Analytical Methods were performed:

Method Description Analyst Comments

SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 6 of 29 SDG: 584794

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: July 11, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36883 Sample ID: 584794005 Matrix: Ground Water Collect Date: 29-JUN-22 14:08

Receive Date: 01-JUL-22 Client Collector:

Parameter	Qualifier	Result	DL	RL	Units	PF	DF Analyst Date	Time Batch Method
Mercury Analysis-	CVAA							

7470 Cold Vapor Mercury, Liquid "As Received"

Mercury 0.0670 0.200 ug/L 07/11/22 1519 2287509

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/08/22	1233	2287507

The following Analytical Methods were performed:

Method Description **Analyst Comments** SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor MDA: Minimum Detectable Activity RL: Reporting Limit

MDC: Minimum Detectable Concentration **SQL**: Sample Quantitation Limit

Page 7 of 29 SDG: 584794

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: July 11, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36904
Sample ID: 584794006
Matrix: Ground Water
Collect Date: 28-JUN-22 10:03

Receive Date: 01-JUL-22 Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analy	st Date	Time	e Batch	Method	
Carbon Analysis													
SM 5310 B Total 0	Organic Carbon "A												
Total Organic Carbon Average		2.32	0.330	1.00	mg/L		1	TSM	07/03/22	0105	2284974	1	
The following Analytical Methods were performed:													
Method	hod Description			Analyst Comments									
1	SM 5310 B												

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 8 of 29 SDG: 584794

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: July 11, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO₃

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36908 Sample ID: 584794007 Matrix: Ground Water Collect Date: 28-JUN-22 10:50

Receive Date: 01-JUL-22 Client Collector:

Parameter	Qualifier	Result	DL	RL	Units	PF	DF Analyst Date	Time Batch Method		
Mercury Analysis-CVAA										
7470 Cold Vapor Mercury, Liquid "As Received"										

ug/L Mercury ND 0.0670 0.200 1.00 1 JP2 07/11/22 1520 2287509

The following Prep Methods were performed:

Method Prep Batch Description Analyst Date Time SW846 7470A Prep EPA 7470A Mercury Prep Liquid RM4 07/08/22 1233 2287507

The following Analytical Methods were performed:

Method Description **Analyst Comments** SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor **RL**: Reporting Limit MDA: Minimum Detectable Activity

MDC: Minimum Detectable Concentration **SQL**: Sample Quantitation Limit

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: July 11, 2022

SOOP00119

SOOP001

Company: Santee Cooper P.O. Box 2946101 Address:

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36903 Sample ID: 584794008 Matrix: Ground Water 28-JUN-22 11:35 Collect Date: Receive Date: 01-JUL-22

Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Anal	st Date	Time Batcl	Method
Carbon Analysis											
SM 5310 B Total Orga	anic Carbon "A	As Received"									
Total Organic Carbon Avera	age	2.07	0.330	1.00	mg/L		1	TSM	07/04/22	1728 228416	9 1
Mercury Analysis-CV	AA										
7470 Cold Vapor Merc											
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/11/22	1526 228750	9 2
The following Prep Methods were performed:											
Method	Description	Description		Analyst	Date	,	Time Prep l		rep Batch		
SW846 7470A Prep	EPA 7470A N	Mercury Prep Liquid		RM4	07/08/22		1233	22	87507		
The following Analyt	ical Methods v	vere performed:									

Method **Analyst Comments** Description SM 5310 B

SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor MDA: Minimum Detectable Activity RL: Reporting Limit

MDC: Minimum Detectable Concentration **SQL**: Sample Quantitation Limit

Page 10 of 29 SDG: 584794

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: July 11, 2022

SOOP00119

SOOP001

Company: Santee Cooper P.O. Box 2946101 Address:

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36905 Sample ID: 584794009 Matrix: **Ground Water** Collect Date: 28-JUN-22 13:22

Receive Date: 01-JUL-22 Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF DF	Ana	lyst Date	Time Batch	Method
Carbon Analysis										
SM 5310 B Total Org	anic Carbon "A	As Received"								
Total Organic Carbon Aver	age	2.53	0.330	1.00	mg/L	1	TSM	07/03/22	0125 2284974	1
Mercury Analysis-CV	'AA									
7470 Cold Vapor Mer	cury, Liquid "A	As Received"								
Mercury	U	ND	0.0670	0.200	ug/L	1.00 1	JP2	07/11/22	1527 2287509	2
The following Prep M	lethods were pe	erformed:								
Method	Description	n		Analyst	Date	Tim	e I	Prep Batch		
SW846 7470A Prep	EPA 7470A N	Mercury Prep Liquid		RM4	07/08/22	1233	. 2	2287507		
The following Analyt	tical Methods v	vere performed:								

Analyst Comments Method Description SM 5310 B

SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor MDA: Minimum Detectable Activity RL: Reporting Limit

MDC: Minimum Detectable Concentration **SQL**: Sample Quantitation Limit

Page 11 of 29 SDG: 584794

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Certificate of Analysis

Project:

Client ID:

Report Date: July 11, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36906
Sample ID: 584794010
Matrix: Ground Water
Collect Date: 28-JUN-22 14:41
Receive Date: 01-JUL-22

Receive Date: 01-JUL-Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Anal	yst Date	Time Batch	Method
Carbon Analysis											
SM 5310 B Total Org	ganic Carbon " <i>A</i>	s Received"									
Total Organic Carbon Aver	rage J	0.468	0.330	1.00	mg/L		1	TSM	07/03/22	0144 2284974	1
Mercury Analysis-CV	/AA										
7470 Cold Vapor Me	rcury, Liquid "A	As Received"									
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/11/22	1529 2287509	2
The following Prep M	lethods were pe	erformed:									
Method	Description	1		Analyst	Date	3	Time	e P	rep Batch		
SW846 7470A Prep	EPA 7470A N	Mercury Prep Liquid		RM4	07/08/22		1233	2	287507		
The following Analy	4:1 Ma411										

The following Analytical Methods were performed:

	Control of the Contro	
Method	Description	Analyst Comments
1.	SM 5310 B	·

2 SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: July 11, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36907 Sample ID: 584794011 Matrix: Ground Water Collect Date: 28-JUN-22 14:46

Receive Date: 01-JUL-22 Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Anal	yst Date	Time Batch	Method
Carbon Analysis											
SM 5310 B Total Org	ganic Carbon " <i>A</i>	As Received"									
Total Organic Carbon Aver	rage J	0.521	0.330	1.00	mg/L		1	TSM	07/03/22	0203 2284974	1
Mercury Analysis-CV	/AA										
7470 Cold Vapor Mei	rcury, Liquid "A	As Received"									
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/11/22	1531 2287509	2
The following Prep M	lethods were pe	erformed:									
Method	Description	n		Analyst	Date	ä	Time	e P	rep Batch		
SW846 7470A Prep	EPA 7470A N	Mercury Prep Liquid		RM4	07/08/22		1233	2	287507		
The fellowing Analys	4:- a1 N (-41 4	roma manfamaadi									

The following Analytical Methods were performed:

MethodDescriptionAnalyst Comments1SM 5310 B

2 SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: July 11, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO₃

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36879
Sample ID: 584794012
Matrix: Ground Water
Collect Date: 30-JUN-22 09:30

Receive Date: 01-JUL-22 Collector: Client

Parameter Qualifier Result DL RL Units PF DF Analyst Date Time Batch Method

Project:

Client ID:

Mercury Analysis-CVAA

7470 Cold Vapor Mercury, Liquid "As Received"

Mercury U ND 0.0670 0.200 ug/L 1.00 1 JP2 07/11/22 1533 2287509

The following Prep Methods were performed:

MethodDescriptionAnalystDateTimePrep BatchSW846 7470A PrepEPA 7470A Mercury Prep LiquidRM407/08/2212332287507

The following Analytical Methods were performed:

Method Description Analyst Comments

SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: July 11, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

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Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36878
Sample ID: 584794013
Matrix: Ground Water
Collect Date: 30-JUN-22 10:33

Receive Date: 01-JUL-22 Collector: Client

Parameter Qualifier Result DL RL Units PF DF Analyst Date Time Batch Method

Project:

Client ID:

Mercury Analysis-CVAA

7470 Cold Vapor Mercury, Liquid "As Received"

Mercury U ND 0.0670 0.200 ug/L 1.00 1 JP2 07/11/22 1534 2287509

The following Prep Methods were performed:

MethodDescriptionAnalystDateTimePrep BatchSW846 7470A PrepEPA 7470A Mercury Prep LiquidRM407/08/2212332287507

The following Analytical Methods were performed:

Method Description Analyst Comments

SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: July 11, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36884
Sample ID: 584794014
Matrix: Ground Water
Collect Date: 30-JUN-22 11:29
Receive Date: 01-JUL-22

Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF Analyst Date	Time Batch	Method
Mercury Analysis	c-CVAA								

Mercury Analysis-CVAA

7470 Cold Vapor Mercury, Liquid "As Received"

Mercury U ND 0.0670 0.200 ug/L 1.00 1 JP2 07/11/22 1536 2287509

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/08/22	1233	2287507

The following Analytical Methods were performed:

MethodDescriptionAnalyst Comments1SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: July 11, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36880
Sample ID: 584794015
Matrix: Ground Water
Collect Date: 30-JUN-22 12:40

Receive Date: 01-JUL-22 Collector: Client

Parameter Qualifier Result DL RL Units PF DF Analyst Date Time Batch Method

Project:

Client ID:

Mercury Analysis-CVAA

7470 Cold Vapor Mercury, Liquid "As Received"

Mercury U ND 0.0670 0.200 ug/L 1.00 1 JP2 07/11/22 1538 2287509

The following Prep Methods were performed:

MethodDescriptionAnalystDateTimePrep BatchSW846 7470A PrepEPA 7470A Mercury Prep LiquidRM407/08/2212332287507

The following Analytical Methods were performed:

Method Description Analyst Comments

SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: July 11, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36881 Sample ID: 584794016 Matrix: Ground Water Collect Date: 30-JUN-22 12:45

Receive Date: 01-JUL-22 Client Collector:

Parameter	Qualifier	Result	DL	RL	Units	PF	DF Analyst Date	Time Batch Method
Mercury Analysis-CVAA								

7470 Cold Vapor Mercury, Liquid "As Received"

Mercury

ug/L 0.0670 0.200 07/11/22 1539 2287509

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch				
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/08/22	1233	2287507				
The Called in Aug. 1 (i.e. 1 Marth 1 and 1									

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 7470A	'

Notes:

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor MDA: Minimum Detectable Activity RL: Reporting Limit

MDC: Minimum Detectable Concentration **SQL**: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: July 11, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36882
Sample ID: 584794017
Matrix: Ground Water
Collect Date: 30-JUN-22 14:06

Receive Date: 01-JUL-22 Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst Date	Time Batch	Method
Mercury Analysis-CV	/AA									
7470 Cold Vapor Me	rcury, Liquid "A	As Received"								
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2 07/11/22	2 1545 2287509	1
The following Prep M	lethods were pe	rformed:								
Method	Description	1		Analyst	Date	9	Time	Prep Batcl	h	
SW846 7470A Prep	EPA 7470A M	Mercury Prep Liquid		RM4	07/08/22		1233	2287507		
TT1 C 11 ' A 1	137.4.1	C 1								

The following Analytical Methods were performed:

 Method
 Description
 Analyst Comments

 1
 SW846 7470A

SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Report Date: July 11, 2022

Page 1 of 3

Santee Cooper P.O. Box 2946101

OCO3

Moncks Corner, South Carolina

Contact: Ms. Jeanette Gilmetti

Workorder: 584794

Parmname	NOM	Sample Q	ual QC	Units	RPD%	REC%	Range A	Anlst	Date Time
Carbon Analysis Batch 2284169 ———									
QC1205130775 584794008 DUP Total Organic Carbon Average		2.07	2.18	mg/L	5.17 ^		(+/-1.00)	TSM	07/04/22 17:47
QC1205129026 LCS Total Organic Carbon Average	10.0		9.84	mg/L		98.4	(80%-120%)		07/04/22 12:23
QC1205129025 MB Total Organic Carbon Average		1	U ND	mg/L					07/04/22 12:13
QC1205130776 584794008 PS Total Organic Carbon Average	10.0	2.07	11.7	mg/L		96.1	(65%-120%)		07/04/22 18:07
Batch 2284974 ———									
QC1205130451 584794001 DUP Total Organic Carbon Average	J	0.441	J 0.444	mg/L	0.678 ^		(+/-1.00)	TSM	07/02/22 23:27
QC1205130450 LCS Total Organic Carbon Average	10.0		9.96	mg/L		99.6	(80%-120%)		07/02/22 22:57
QC1205130449 MB Total Organic Carbon Average		1	U ND	mg/L					07/02/22 22:47
QC1205130452 584794001 PS Total Organic Carbon Average	10.0 J	0.441	10.1	mg/L		96.1	(65%-120%)		07/02/22 23:46
Metals Analysis-Mercury Batch 2287509 ———									
QC1205135292 584794002 DUP Mercury	U	ND	u ND	ug/L	N/A			JP2	07/11/22 14:59

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2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

					_									
Workorder: 5	84794												Page	e 2 of 3
Parmname			NO	AI .	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis-Metals Analysis-Metals Batch 228	rcury 37509													
QC1205135289 Mercury	LCS		2.00				2.09	ug/L		104	(80%-120%)	JP2	07/11/2	2 14:46
QC1205135290 Mercury	LCSD		2.00				2.08	ug/L	0.384	104	(0%-20%)		07/11/2	2 14:48
QC1205135288 Mercury	MB					U	ND	ug/L					07/11/2	2 14:41
QC1205135293 Mercury	584794002	MS	2.00	U	ND		2.10	ug/L		105	(75%-125%)		07/11/2	22 15:01
QC1205135294 Mercury	584794002	SDILT		U	ND	U	ND	ug/L	N/A		(0%-10%)		07/11/2	22 15:12

Notes:

The Qualifiers in this report are defined as follows:

- < Result is less than value reported
- > Result is greater than value reported
- B The target analyte was detected in the associated blank.
- E %difference of sample and SD is >10%. Sample concentration must meet flagging criteria
- E General Chemistry--Concentration of the target analyte exceeds the instrument calibration range
- FB Mercury was found present at quantifiable concentrations in field blanks received with these samples. Data associated with the blank are deemed invalid for reporting to regulatory agencies
- H Analytical holding time was exceeded
- J See case narrative for an explanation
- J Value is estimated
- N Metals--The Matrix spike sample recovery is not within specified control limits
- N/A RPD or %Recovery limits do not apply.
- N1 See case narrative
- ND Analyte concentration is not detected above the detection limit
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Q One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
- R Per section 9.3.4.1 of Method 1664 Revision B, due to matrix spike recovery issues, this result may not be reported or used for regulatory compliance purposes.

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2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Workorder: 584794

Page 3 of 3

Parmname NOM Sample Qual QC Units RPD% REC% Range Anlst Date Time

- R Sample results are rejected
- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Y Other specific qualifiers were required to properly define the results. Consult case narrative.
- Z Paint Filter Test--Particulates passed through the filter, however no free liquids were observed.
- ^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
- d 5-day BOD--The 2:1 depletion requirement was not met for this sample
- e 5-day BOD--Test replicates show more than 30% difference between high and low values. The data is qualified per the method and can be used for reporting purposes
- h Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.

- ^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where the duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
- * Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

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Technical Case Narrative Santee Cooper SDG #: 584794

Metals

Product: Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer

Analytical Method: SW846 7470A

Analytical Procedure: GL-MA-E-010 REV# 38

Analytical Batch: 2287509

Preparation Method: SW846 7470A Prep

Preparation Procedure: GL-MA-E-010 REV# 38

Preparation Batch: 2287507

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
584794001	AF36885
584794002	AF36886
584794003	AF36887
584794004	AF36877
584794005	AF36883
584794007	AF36908
584794008	AF36903
584794009	AF36905
584794010	AF36906
584794011	AF36907
584794012	AF36879
584794013	AF36878
584794014	AF36884
584794015	AF36880
584794016	AF36881
584794017	AF36882
1205135288	Method Blank (MB)CVAA
1205135289	Laboratory Control Sample (LCS)
1205135290	Laboratory Control Sample Duplicate (LCSD)
1205135294	584794002(AF36886L) Serial Dilution (SD)
1205135292	584794002(AF36886D) Sample Duplicate (DUP)
1205135293	584794002(AF36886S) Matrix Spike (MS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

General Chemistry

Page 23 of 29 SDG: 584794

Product: Carbon, Total Organic Analytical Method: SM 5310 B

Analytical Procedure: GL-GC-E-093 REV# 21

Analytical Batch: 2284169

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
584794008	AF36903
1205129025	Method Blank (MB)
1205129026	Laboratory Control Sample (LCS)
1205130775	584794008(AF36903) Sample Duplicate (DUP)
1205130776	584794008(AF36903) Post Spike (PS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: Carbon, Total Organic Analytical Method: SM 5310 B

Analytical Procedure: GL-GC-E-093 REV# 21

Analytical Batch: 2284974

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
584794001	AF36885
584794002	AF36886
584794003	AF36887
584794006	AF36904
584794009	AF36905
584794010	AF36906
584794011	AF36907
1205130449	Method Blank (MB)
1205130450	Laboratory Control Sample (LCS)
1205130451	584794001(AF36885) Sample Duplicate (DUP)
1205130452	584794001(AF36885) Post Spike (PS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the

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requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

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Contract Lab Info: GEL Contract Lab Due Date (Lab Only): 7

/ (/ 22 Send report to Icwillia@santeecooper.com & sibrown@santeecooper.com

Chain of Custody



santee cooper

Santee Coope One Riverwood Driv Moneks Corner, SC 2946 Phone: (843)761-8000 Ext. 514 Fax: (843)761-417:

Custo	mer Emai	/Rep	ort Recipie	nt:	Date R	esults Ne	eded b	y:		Pr	roject/	Task/	Unit #:		Rerun re	equest	for an	y fla	gged	QC
LCW	11CLIA		_@santeeco	ooper.com	/				1250	715	<u> </u>	102.0	7. GØ1.1	1 3650	20	Yes	No			
																	<u>A</u>	nalysi	s Grou	īĐ
	orks ID # nal use	Contract Contract	nple Location	n/	Collection Date	Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass-G/Plastic-P)	Grab (G) or Composite (C)	Matrix(see below)	Preservative (see	Meth Repc Misc Any	Commod # orting limit . sample ir other notes	t nfo		RAD/226+228	TOTALRAD CALC.	H _g	tac
AF 3	6885	_ C	-MLF-1		6/29/22	b930	DEN	나	P/G	G	GW	2/3/	Hg 7470	RL C	.200 PPE	3	2	×	1	1
1	86	co	CMLF-ID			1033	-	4	1/6									-	, and the second	
	87	C	CMLF-2			1140		4	Pla								L	1		I
	77	C	CMAP-1			1310		3	P		-	2.	9				2	×	1	
<u> </u>	83	0	CMAP-6			1408		3	P			1					2	×		-
AF3	6904	Po	1Z-5D		6/28/22	1003	L	1	G	G	GW	3/1	â					_	*****	1
AFBE	-408	Po	£-8		6/28/22	1050	L	Ж3	P	1	7	2					2.	×	1	
													2	···						
	·			***************************************							<u> </u>									
Reli	nquished by		Employee#	Date	Time	Recei	ved by:	E	mployee	e#	Dat	e	Time		Receiving (II (°C):		Jse On Initial			
sara	ww	- 1	35574	7/1/22	0934	AN	>		GEL		7/1/	22	0934					•		_
Reli	nquished by		Employee#	Date	Time	Recei	ved by:	E	mployee	e#	Dat	е	Time		tpH: Yes					
	nquished by	•	Employee#	71. Date	1500 Time	Recei	ved by:	E	mployee	e #	Dat	e	Time	Preserv	vative Lot#:					
													į,	Date/Ti	ime/Init for	preserv	ative:			
		************	LS (all)	Nut	rients	MI	SC.		<u>G</u>)	ypsu	<u>m</u>		Coal		Flyasl	h		Oi	1	
☐ Ag		******	☐ Sb	U TO		D BTEX		l c	Wallb			40	Ultimate		□ Ammoni		O Tra	ns. Oi %Mois		l.
□ As			□Sn	□ DC	TPO4	☐ Napthal ☐ THM/H			bela bela	psum(i ne)	au	1	□ % Moist □ Ash	ure	□ LØI □ % Carbo		:: 0	olor		
□В		i	□ Sr	□NE	STEEL STEEL STEEL STEEL STEEL STEEL STEEL STEEL STEEL STEEL STEEL STEEL STEEL STEEL STEEL STEEL STEEL STEEL ST	□ VOC □ Oil & C	irease		DIA OTO				□ Sulfur		□ Mineral			cidity ielectric		gth
□ Ba		/lg	□ Ti			□ E. Coli			OTe	otal met			☐ BTUs ☐ Volatile	Matter	Analy D Sieve	ysis	(11)			
□Ве		⁄In	□ TI	ENC	SAME PURE CONTROL OF THE PERSON OF THE PERSO	□ Total C □ pH				oluble N arity (Ca			□ CHN		2 % Moist	ure	() Us	ed Oi	1	- wut
□ Ca		1o	ΟV	□ □ Br □ □ NO		☐ Dissolv ☐ Dissolv			0%	Moistu ilfites		PORTOCOL CONTRACTOR	Other Tests: XRF Scan		SIGNE			lashpo Ietals		
□ Cd		la .	□ Zn	□ SO	ACHTAIN DESIGNATION OF THE PROPERTY OF THE PRO	☐ Rad 226	5		□ pl	4			HGI		NPDE		(As,Cd		i.Pb
□ Co	O N	li .	□Hg			☐ Rad 22	\$			hlorides article S			Fineness Particulate Ma	itter	□As	"se	L.T			
☐ Cr	□P		□ CrVI						() Sulfui						OTSS			FER		
				National Section (Control	The state of the s	"PARAMETERS CONT.														

Contract Lab Due Date (Lab Only): 7 / 11 / 22 Send report to |cwillia@santeecooper.com & sibrown@santeecooper.com

Chain of Custody



Santee Coope One Riverwood Driv Moneks Corner, SC 2946 Phone: (843)761-8000 Ext. 514 Fax: (843)761-417

Custo	mer Em	nail/R	eport Recip	ient:	Date Re	esults Ne	eded b	y:		Pr	oject/	Task/l	Jnit #:	Rerur	request f	or an	ıy fla	gged	I QC
LC	WILLIA	Δ.	@santee	cooper.com					125	115	J_JM	02.08	3. GØ1.1	36500	Yes	No			
																A	nalysi	s Grou	īБ
	orks ID # nal use	Control of the second	Sample Locat Description	lon/	Collection Date	Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass- G/Plastic-P)	Grab (G) or Composite (C)	Matrix(see below)	Preservative (see below)	Meth Repo Misc Any o	Comments od # rting limit sample info other notes		RAD 226/228	TOTAL RAD CALC.	et.	Toc
AF3	6903		Poz-4		6/28/22	l[35	DEW	4	P, G	G	GW	2/3/1	H= 7470	RL < 0.200	PPB	2	X	l	t
1	55		F02-6			(322			1			(1		-	
	. 06		P0Z-7-			1441													
1	07	-	Poz-7 Du	P		1446	1		[1		1				<u> </u>	1		1
AFS	6879		CCMAP-	3	6/30/22	oe क	1	3	P	G	GW	2				2	×	1	
	78	;	CCMAP-3	2.	1 1	1033		-								1			
	Šr	+	CCMAP-	7		1129			1				1			_			
	80	> '	CCMAP-4	ł .		1240								~~~		-		and the second s	
	81	1	CCMAP-	4 DUP		1245													
3,000	8	2,	CGMAP-	5	<u> </u>	1406	1		1	1	<u> </u>	1 -	<u> </u>			<u></u>	1	<u> </u>	<u> </u>
Rel	inquished	l by:	Employee	# Date	Time	Recei	ved by:		Employee	#	Date	e [Time	Sample Receiving TEMP (°C):					
sam	oun		35594	東7/1/22	0134	a			GEL	-	7/1/2	2	0924						_
	inquished	i by:	Employee		Time	Kećei	ved by:		Employee		Date		Time	Correct pH:	Yes No				
	000	***************************************	GEL	7.1.22	ida								\$	Preservative Lo	t#:				
Ré	inquished	l by:	Employee	# Date	1500 Time	Recei	ved by:		Employee	#	Date	e	Time						
														Date/Time/Init f	for preserva	tive:			
	П	ME	ΓALS (all)Nut	rients	M	SC.		G۱	/psui	m		Coal	Flya	ash T		О	il	
□ A	-	□ Cu	□Sb	II TO	THE REPORT OF THE PARTY OF THE	□ BTEX			□ Wallb			10	Ultimate	[] Amm		() Tra	ıns. O	il Qui	ıl.
□ A:	AREAS ASSESSED	□ Fe □ K	☐ Se	II DO	C /TPO4	☐ Naptha ☐ THM/I			Gy _l belo	sum(a	all		□ % Moist	Section 1 Section 1 Section 2			%Moi Jolor	sture	
\square B		□ Li	□ Sr	(I NI		□ VOC			O A	IM			□ Ash □ Sulfur	□ % Ca □ Mine		97	cidity	r c Stren	ieth
□ B		□ Mg		U.F.		🗆 E. Coli				otal met			D BTUs	Aı	nalysis	0.1	FT		
□В		□ Mn		□ Cl □ N0		☐ Total C	oliform			sluble N irity (Ci			☐ Volatile ☐ CHN	Matter ☐ Sieve				zed Ga il	ises
□ Ca	. 1	□Мо	□v	□ Br		☐ Dissolv			0.96	Moistu			Other Tests: XRF Scan				lashp Aerals	oint in oil	
□ C	i li	□Na	□ Zn	□ NO	STATE OF THE STATE	☐ Rad 22	6		□pI			0	HGI	NPI COLA	CONTRACTOR OF THE STATE OF	(As,Co	I.Cr.N	
□ C)	□Ni	□ Hg			☐ Rad 22 ☐ PCB	8			ilorides irticle S			Fineness Particulate Ma	tter 🗆 🗆 As	uicase,	0.1			
□ Cı		□ Pb	□ Cr\						□ Sulfur					U TSS		⊕ GC	FER		

Client: O			T	SAMPLE RECEIPT & REVIEW FORM
			Т	G/AR/COC/Work Order: 5745 584 194 589 18
Received By: MVH Carrier and Tracking Number			Da	FedEx Express FedEx Ground UPS Field Services Courier Other
Suspected Hazard Information	Yes	No.	*If	Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		X	Haz	ard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes No
B) Did the client designate the samples are to be received as radioactive?		X	co	C notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		X	Ma	ximum Net Counts Observed* (Observed Counts - Area Background Counts):CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Did the client designate samples are hazardous?		X		C notation or hazard labels on containers equal client designation. For E is yes, select Hazards below.
E) Did the RSO identify possible hazards?		X		PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:
Sample Receipt Criteria	Yes	Y Y	No	Comments/Qualifiers (Required for Non-Conforming Items)
1 Shipping containers received intact and scaled?	X			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2 Chain of custody documents included with shipment?	X			Circle Applicable: Client contacted and provided COC COC created upon receipt
3 Samples requiring cold preservation within (0 ≤ 6 deg. C)?*	X			Preservation Method: Wet Ice Packs Dry ice None Other: *all temperatures are recorded in Celsius TEMP:
4 Daily check performed and passed on IR temperature gun?	X			Temperature Device Serial #: <u>IR2-21</u> Secondary Temperature Device Serial # (If Applicable):
5 Sample containers intact and sealed?	X			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6 Samples requiring chemical preservation at proper pH?			X	Sample ID's and Containers Affected: The Modern PH 1640 The Mode
7 Do any samples require Volatile Analysis?			X	If Yes, are Encores or Soil Kits present for solids? Yes No NA (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes No NA (If unknown, select No) Are liquid VOA vials free of headspace? Yes No NA Sample ID's and containers affected:
8 Samples received within holding time?	X			ID's and tests affected:
9 Sample ID's on COC match ID's on hottles?	X			ID's and containers affected:
10 Date & time on COC match date & time on bottles?	X			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
Number of containers received match number indicated on COC?	X			Circle Applicable: No container count on COC Other (describe)
Are sample containers identifiable as	ľ		X	
COC form is properly signed in relinquished/received sections?	18			Circle Applicable: Not relinquished Other (describe)
hottles? 10 Date & time on COC match date & time on bottles? 11 Number of containers received match number indicated on COC? 12 Are sample containers identifiable as GEL provided by use of GEL labels? 13 COC form is properly signed in	X		×	Circle Applicable: No container count on COC Other (describe)

List of current GEL Certifications as of 11 July 2022

State	Certification							
Alabama	42200							
Alaska	17-018							
Alaska Drinking Water	SC00012							
Arkansas	88-0651							
CLIA	42D0904046							
California	2940							
Colorado	SC00012							
Connecticut	PH-0169							
DoD ELAP/ ISO17025 A2LA	2567.01							
Florida NELAP	E87156							
Foreign Soils Permit	P330-15-00283, P330-15-00253							
Georgia	SC00012							
Georgia SDWA	967							
Hawaii	SC00012							
Idaho	SC00012							
Illinois NELAP	200029							
Indiana	C-SC-01							
Kansas NELAP	E-10332							
Kentucky SDWA	90129							
Kentucky Wastewater	90129							
Louisiana Drinking Water	LA024							
Louisiana NELAP	03046 (AI33904)							
Maine Maine	2019020							
59/59/59/59/59/59/5	SW C SWAN CHURST							
Maryland	270							
Massachusetts	M-SC012							
Massachusetts PFAS Approv	Letter							
Michigan	9976							
Mississippi	SC00012							
Nebraska	NE-OS-26-13							
Nevada	SC000122022-5							
New Hampshire NELAP	2054							
New Jersey NELAP	SC002							
New Mexico	SC00012							
New York NELAP	11501							
North Carolina	233							
North Carolina SDWA	45709							
North Dakota	R-158							
Oklahoma	2019–165							
Pennsylvania NELAP	68-00485							
Puerto Rico	SC00012							
S. Carolina Radiochem	10120002							
Sanitation Districts of L	9255651							
South Carolina Chemistry	10120001							
Tennessee	TN 02934							
Texas NELAP	T104704235-22-20							
Utah NELAP	SC000122021-36							
Vermont	VT87156							
Virginia NELAP	460202							
Washington	C780							



a member of The GEL Group INC







PO Box 30712 Charleston, SC 29417 2040 Savage Road Charleston, SC 29407 P 843.556.8171 F 843.766.1178

gel.com

July 21, 2022

Ms. Jeanette Gilmetti Santee Cooper P.O. Box 2946101 OCO3 Moncks Corner, South Carolina 29461

Re: ABS Lab Analytical Work Order: 584794

Dear Ms. Gilmetti:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 01, 2022. This revised data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4289.

Sincerely,

Julie Robinson Project Manager

Purchase Order: 398684

Enclosures



2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report for

SOOP001 Santee Cooper

Client SDG: 584794 GEL Work Order: 584794

The Qualifiers in this report are defined as follows:

- * A quality control analyte recovery is outside of specified acceptance criteria
- ** Analyte is a Tracer compound
- ** Analyte is a surrogate compound
- J See case narrative for an explanation
- J Value is estimated
- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Julie Robinson.

Reviewed by

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: July 21, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36885
Sample ID: 584794001
Matrix: Ground Water
Collect Date: 29-JUN-22 09:30
Receive Date: 01-JUL-22

Receive Date: 01-JUI Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF D	ÞΓ	Analy	st Date	Time	Batch	Method
Carbon Analysis												
SM 5310 B Total Org	ganic Carbon "A	As Received"										
Total Organic Carbon Aver	rage J	0.441	0.330	1.00	mg/L		1	TSM	07/02/22	2307	2284974	1
Mercury Analysis-CV	/AA											
7470 Cold Vapor Mer	rcury, Liquid "A	As Received"										
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/11/22	1455	2287509	2
The following Prep M	lethods were pe	erformed:										
Method	Description	n		Analyst	Date	Ti	me	Pı	ep Batch			
SW846 7470A Prep	EPA 7470A N	Mercury Prep Liquid		RM4	07/08/22	12:	33	22	87507			
The following Analy	tical Methods w	vere performed:										

The following Analytical Methods were performed

Method Description Analyst Comments

SM 5310 B

Analyst Comments

SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 3 of 29 SDG: 584794 Rev1

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: July 21, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36886
Sample ID: 584794002
Matrix: Ground Water
Collect Date: 29-JUN-22 10:33

Receive Date: 01-JUL-22 Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Anal	yst Date	Time	Batch	Method
Carbon Analysis												
SM 5310 B Total Org	ganic Carbon " <i>A</i>	As Received"										
Total Organic Carbon Ave	erage J	0.643	0.330	1.00	mg/L		1	TSM	07/03/22	0006	2284974	1
Mercury Analysis-C'	VAA											
7470 Cold Vapor Me	ercury, Liquid "A	As Received"										
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/11/22	1457	2287509	2
The following Prep N	Methods were pe	erformed:										
Method	Description	n		Analyst	Date	8	Time	e P	rep Batch			
SW846 7470A Prep	EPA 7470A N	Mercury Prep Liquid		RM4	07/08/22		1233	22	287507			
The following Analy	rtical Methods v	vere performed:										

The following Analytical Methods were performed:

Method Description Analyst Comments

SM 5310 B

Analyst Comments

2 SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: July 21, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36887
Sample ID: 584794003
Matrix: Ground Water
Collect Date: 29-JUN-22 11:40

Receive Date: 01-JUL-22 Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analy	st Date	Time Ba	ch Method
Carbon Analysis											
SM 5310 B Total Org	anic Carbon "A	s Received"									
Total Organic Carbon Aver	rage J	0.626	0.330	1.00	mg/L		1	TSM	07/03/22	0025 2284	974 1
Mercury Analysis-CV	'AA										
7470 Cold Vapor Mer	cury, Liquid "A	As Received"									
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/11/22	1515 2287	509 2
The following Prep M	lethods were pe	erformed:									
Method	Description	1		Analyst	Date	7	Time	e Pi	rep Batch		**
SW846 7470A Prep	EPA 7470A N	Mercury Prep Liquid		RM4	07/08/22	d d	1233	22	87507		
The following Analyt	tical Methods w	vere performed:									

The following Analytical Methods were performed:

Method Description Analyst Comments

SM 5310 B

Analyst Comments

2 SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: July 21, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36877
Sample ID: 584794004
Matrix: Ground Water
Collect Date: 29-JUN-22 13:10

Receive Date: 01-JUL-22 Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF Analyst Date	Time Batch	Method
3.5									

Mercury Analysis-CVAA

7470 Cold Vapor Mercury, Liquid "As Received"

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/08/22	1233	2287507

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 7470A	•

SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: July 21, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36883
Sample ID: 584794005
Matrix: Ground Water
Collect Date: 29-JUN-22 14:08

Receive Date: 01-JUL-22 Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst Date	Time Batch	Method
Mercury Analysis-	CVAA									
7470 Cold Vapor N	Mercury, Liquid "A	As Received"								
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2 07/11/22	1519 2287509	1
The following Pro	Mothode wore no	rformed.								

The following Prep Methods were performed:

MethodDescriptionAnalystDateTimePrep BatchSW846 7470A PrepEPA 7470A Mercury Prep LiquidRM407/08/2212332287507

The following Analytical Methods were performed:

 Method
 Description
 Analyst Comments

 1
 SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: July 21, 2022

SOOP00119

SOOP001

Project:

Client ID:

Company: Santee Cooper P.O. Box 2946101 Address:

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36904 Sample ID: 584794006 Matrix: Ground Water 28-JUN-22 10:03 Collect Date: Receive Date: 01-JUL-22

Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analy	st Date	Time	e Batch	Method
Carbon Analysis												
SM 5310 B Total 0	Organic Carbon "A	As Received"										
Total Organic Carbon A	Average	2.32	0.330	1.00	mg/L		1	TSM	07/03/22	0105	2284974	1
The following An	alytical Methods v	vere performed:										
Method	Description		Analyst Comments									
	CM 5210 D											

SM 5310 B

Notes:

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor MDA: Minimum Detectable Activity **RL**: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 8 of 29 SDG: 584794 Rev1

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Project:

Client ID:

Certificate of Analysis

Report Date: July 21, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36908
Sample ID: 584794007
Matrix: Ground Water
Collect Date: 28-JUN-22 10:50

Receive Date: 01-JUL-22 Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst I	Date	Time Batch	Method
Mercury Analysis-CV	VAA										
7470 Cold Vapor Me	rcury, Liquid "A	s Received"									
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2 07/	11/22	1520 2287509	1
The following Prep N	Methods were pe	rformed:									
Method	Description	Ľ		Analyst	Date		Time	e Prep I	3atch		
SW846 7470A Prep	EPA 7470A M	lercury Prep Liquid		RM4	07/08/22		1233	228750)7		
TE1 C 11 ' A 1	137.4.1	C 1									

The following Analytical Methods were performed:

 Method
 Description
 Analyst Comments

 1
 SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: July 21, 2022

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36903
Sample ID: 584794008
Matrix: Ground Water
Collect Date: 28-JUN-22 11:35

Receive Date: 01-JUL-22 Collector: Client Project: SOOP00119 Client ID: SOOP001

Analyst Comments

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analy	st Date	Time	Batch	Method
Carbon Analysis												
SM 5310 B Total Orga	inic Carbon " <i>A</i>	As Received"										
Total Organic Carbon Avera	ige	2.07	0.330	1.00	mg/L		1	TSM	07/04/22	1728	2284169	1
Mercury Analysis-CV	AA											
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1.	JP2	07/11/22	1526	2287509	2
The following Prep Me	ethods were pe	erformed:										
Method	Description	n		Analyst	Date	3	Tim	e Pi	ep Batch			
SW846 7470A Prep	EPA 7470A N	Mercury Prep Liquid		RM4	07/08/22		1233	22	87507			
The following Analytical Methods were performed:												

Method Description

1 SM 5310 B 2 SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: July 21, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36905
Sample ID: 584794009
Matrix: Ground Water
Collect Date: 28-JUN-22 13:22
Receive Date: 01-JUL-22

Receive Date: 01-JUL Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Anal	yst Date	Time Batch	Method
Carbon Analysis											
SM 5310 B Total Org	ganic Carbon " <i>A</i>	As Received"									
Total Organic Carbon Aver	rage	2.53	0.330	1.00	mg/L		1	TSM	07/03/22	0125 2284974	1
Mercury Analysis-CV	/AA										
7470 Cold Vapor Me	rcury, Liquid "A	As Received"									
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/11/22	1527 2287509	2
The following Prep M	lethods were pe	erformed:									
Method	Description	n		Analyst	Date	-	Гim	e P	rep Batch		
SW846 7470A Prep	EPA 7470A N	Mercury Prep Liquid		RM4	07/08/22	9	1233	2	287507		
The following Analy	4:1 Ma411										

The following Analytical Methods were performed:

	,, F	
Method	Description	Analyst Comments
1	SM 5310 B	

2 SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: July 21, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36906
Sample ID: 584794010
Matrix: Ground Water
Collect Date: 28-JUN-22 14:41
Receive Date: 01-JUL-22

Receive Date: 01-JUI Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Anal	st Date	Time Batch	Method
Carbon Analysis											
SM 5310 B Total Orga	anic Carbon "A	As Received"									
Total Organic Carbon Avera	age J	0.468	0.330	1.00	mg/L		1	TSM	07/03/22	0144 2284974	1
Mercury Analysis-CV	AA										
7470 Cold Vapor Mercury, Liquid "As Received"											
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/11/22	1529 2287509	2
The following Prep M	ethods were pe	erformed:									
Method	Description	n		Analyst	Date	3	Time	e P	rep Batch		
SW846 7470A Prep	EPA 7470A N	Mercury Prep Liquid		RM4	07/08/22	3	1233	22	87507		-
The following Analyt	ical Methods v	vere performed:									

The following Analytical Methods were performed:

MethodDescriptionAnalyst Comments1SM 5310 B

2 SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: July 21, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36907
Sample ID: 584794011
Matrix: Ground Water
Collect Date: 28-JUN-22 14:46

Receive Date: 01-JUL-22 Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Anal	yst Date	Time Batcl	n Method
Carbon Analysis											
SM 5310 B Total Orga	anic Carbon "A	As Received"									
Total Organic Carbon Aver	age J	0.521	0.330	1.00	mg/L		1	TSM	07/03/22	0203 228497	74 1
Mercury Analysis-CV	'AA										
7470 Cold Vapor Mercury, Liquid "As Received"											
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/11/22	1531 228750	9 2
The following Prep M	lethods were pe	erformed:									
Method	Description	n		Analyst	Date	8	Tim	e P	rep Batch		
SW846 7470A Prep	EPA 7470A N	Mercury Prep Liquid		RM4	07/08/22		1233	22	287507		
The following Analyt	rical Methods w	vere performed:									

The following Analytical Methods were performed:

Method Description Analyst Comments

SM 5310 B

Analyst Comments

2 SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: July 21, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

01-JUL-22

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36879
Sample ID: 584794012
Matrix: Ground Water
Collect Date: 30-JUN-22 09:30

Collector: Client

Receive Date:

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Ana	alyst Date	Time Batch	Method
Mercury Analysis-C	VAA										
7470 Cold Vapor Me	ercury, Liquid "A	s Received"									
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/11/22	1533 228750	9 1
The following Prep N	Methods were pe	rformed:									
Method	Description	ļ		Analyst	Date		Гim	е	Prep Batch		
SW846 7470A Pren	EPA 7470A N	fercury Pren Liquid		RM4	07/08/22	9	1233		2287507		

SW846 7470A Prep EPA 7470A Mercury Prep Liquid The following Analytical Methods were performed:

Method Description Analyst Comments

SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: July 21, 2022

Time Batch Method

SOOP00119

SOOP001

DF Analyst Date

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36878
Sample ID: 584794013
Matrix: Ground Water
Collect Date: 30-JUN-22 10:33

Qualifier

Receive Date: 01-JUL-22 Collector: Client

RL

Project:

Units

Client ID:

PF

Mercury Analysis-CVAA

Parameter

7470 Cold Vapor Mercury, Liquid "As Received"

Mercury U ND 0.0670 0.200 ug/L 1.00 1 JP2 07/11/22 1534 2287509

The following Prep Methods were performed:

MethodDescriptionAnalystDateTimePrep BatchSW846 7470A PrepEPA 7470A Mercury Prep LiquidRM407/08/2212332287507

DL

The following Analytical Methods were performed:

Method Description Analyst Comments

SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Result

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Certificate of Analysis

Report Date: July 21, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36884
Sample ID: 584794014
Matrix: Ground Water
Collect Date: 30-JUN-22 11:29

Receive Date: 01-JUL-22 Collector: Client

Parameter Qualifier Result DL RL Units PF DF Analyst Date Time Batch Method

Project:

Client ID:

Mercury Analysis-CVAA

7470 Cold Vapor Mercury, Liquid "As Received"

Mercury U ND 0.0670 0.200 ug/L 1.00 1 JP2 07/11/22 1536 2287509

The following Prep Methods were performed:

MethodDescriptionAnalystDateTimePrep BatchSW846 7470A PrepEPA 7470A Mercury Prep LiquidRM407/08/2212332287507

The following Analytical Methods were performed:

Method Description Analyst Comments

SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: July 21, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO₃

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36880 Sample ID: 584794015 Matrix: Ground Water Collect Date: 30-JUN-22 12:40

Receive Date: 01-JUL-22 Client Collector:

Parameter	Qualifier	Result	DL	RL	Units	PF	DF Analyst Date	Time Batch Method
Mercury Analysis	s-CVAA							

7470 Cold Vapor Mercury, Liquid "As Received"

ND 0.0670 0.200 1.00 1 JP2 07/11/22 1538 2287509 ug/L

The following Prep Methods were performed:

Method Prep Batch Description Analyst Date Time SW846 7470A Prep EPA 7470A Mercury Prep Liquid RM4 07/08/22 1233 2287507

The following Analytical Methods were performed:

Method Description **Analyst Comments** SW846 7470A

Notes:

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor MDA: Minimum Detectable Activity **RL**: Reporting Limit

MDC: Minimum Detectable Concentration **SQL**: Sample Quantitation Limit

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Certificate of Analysis

Project:

Client ID:

Report Date: July 21, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36881
Sample ID: 584794016
Matrix: Ground Water
Collect Date: 30-JUN-22 12:45

Receive Date: 01-JUL-22 Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Ana	lyst Date	Time Batch	Method
Mercury Analysis-CV	AA										
7470 Cold Vapor Mer	cury, Liquid "/	As Received"									
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/11/22	1539 2287509	1
The following Prep M	ethods were pe	erformed:									
Method	Description	n		Analyst	Date	,	Гim	e l	Prep Batch		
SW846 7470A Prep	EPA 7470A N	Mercury Prep Liquid		RM4	07/08/22		1233	1	2287507		

The following Analytical Methods were performed:

Method Description Analyst Comments

SW846 7470A

Analyst Comments

5,70,07,70

Notes:

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: July 21, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO₃

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36882 Sample ID: 584794017 Matrix: Ground Water Collect Date: 30-JUN-22 14:06

Receive Date: 01-JUL-22 Client Collector:

Parameter	Qualifier	Result	DL	RL	Units	PF	DF Analyst Date	Time Batch N	Method
Mercury Analysis-CVA	λA								

7470 Cold Vapor Mercury, Liquid "As Received"

Mercury 0.0670 0.200 ug/L 07/11/22 1545 2287509

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/08/22	1233	2287507

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 7470A	•

Notes:

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor MDA: Minimum Detectable Activity RL: Reporting Limit

MDC: Minimum Detectable Concentration **SQL**: Sample Quantitation Limit

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2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Report Date: July 21, 2022

Page 1 of 3

Santee Cooper P.O. Box 2946101

OCO3

Moncks Corner, South Carolina

Contact: Ms. Jeanette Gilmetti

Workorder: 584794

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Carbon Analysis Batch 2284169 ———										
QC1205130775 584794008 DUP Total Organic Carbon Average		2.07		2.18	mg/L	5.17 ^		(+/-1.00)	TSM	07/04/22 17:47
QC1205129026 LCS Total Organic Carbon Average	10.0			9.84	mg/L		98.4	(80%-120%)		07/04/22 12:23
QC1205129025 MB Total Organic Carbon Average			U	ND	mg/L					07/04/22 12:13
QC1205130776 584794008 PS Total Organic Carbon Average	10.0	2.07		11.7	mg/L		96.1	(65%-120%)		07/04/22 18:07
Batch 2284974 ———										
QC1205130451 584794001 DUP Total Organic Carbon Average	J	0.441	J	0.444	mg/L	0.678 ^		(+/-1.00)	TSM	07/02/22 23:27
QC1205130450 LCS Total Organic Carbon Average	10.0			9.96	mg/L		99.6	(80%-120%)		07/02/22 22:57
QC1205130449 MB Total Organic Carbon Average			U	ND	mg/L					07/02/22 22:47
QC1205130452 584794001 PS Total Organic Carbon Average	10.0 J	0.441		10.1	mg/L		96.1	(65%-120%)		07/02/22 23:46
Metals Analysis-Mercury Batch 2287509 ———										,
QC1205135292 584794002 DUP										
Mercury	U	ND	U	ND	ug/L	N/A			JP2	07/11/22 14:59

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QC Summary

Workorder: 5	84794												Pag	e 2 of 3
Parmname			NO	M	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis-Metals Analysis-Metals Batch 228	rcury 37509													
QC1205135289 Mercury	LCS		2.00				2.09	ug/L		104	(80%-120%)	ЈР2	07/11/2	22 14:46
QC1205135290 Mercury	LCSD		2.00				2.08	ug/L	0.384	104	(0%-20%)		07/11/2	22 14:48
QC1205135288 Mercury	MB					U	ND	ug/L					07/11/2	22 14:41
QC1205135293 Mercury	584794002	MS	2.00	U	ND		2.10	ug/L		105	(75%-125%)		07/11/2	22 15:01
QC1205135294 Mercury	584794002	SDILT		U	ND	U	ND	ug/L	N/A		(0%-10%)		07/11/2	22 15:12

Notes:

The Qualifiers in this report are defined as follows:

- < Result is less than value reported
- > Result is greater than value reported
- B The target analyte was detected in the associated blank.
- E %difference of sample and SD is >10%. Sample concentration must meet flagging criteria
- E General Chemistry--Concentration of the target analyte exceeds the instrument calibration range
- FB Mercury was found present at quantifiable concentrations in field blanks received with these samples. Data associated with the blank are deemed invalid for reporting to regulatory agencies
- H Analytical holding time was exceeded
- J See case narrative for an explanation
- J Value is estimated
- N Metals--The Matrix spike sample recovery is not within specified control limits
- N/A RPD or %Recovery limits do not apply.
- N1 See case narrative
- ND Analyte concentration is not detected above the detection limit
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Q One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
- R Per section 9.3.4.1 of Method 1664 Revision B, due to matrix spike recovery issues, this result may not be reported or used for regulatory compliance purposes.

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QC Summary

Workorder: 584794 Page 3 of 3

Parmname NOM Sample Qual QC Units RPD% REC% Range Anlst Date Time

- R Sample results are rejected
- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Y Other specific qualifiers were required to properly define the results. Consult case narrative.
- Z Paint Filter Test--Particulates passed through the filter, however no free liquids were observed.
- ^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
- d 5-day BOD--The 2:1 depletion requirement was not met for this sample
- e 5-day BOD--Test replicates show more than 30% difference between high and low values. The data is qualified per the method and can be used for reporting purposes
- h Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.

- ^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where the duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
- * Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

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Technical Case Narrative Santee Cooper SDG #: 584794

Metals

Product: Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer

Analytical Method: SW846 7470A

Analytical Procedure: GL-MA-E-010 REV# 38

Analytical Batch: 2287509

Preparation Method: SW846 7470A Prep

Preparation Procedure: GL-MA-E-010 REV# 38

Preparation Batch: 2287507

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
584794001	AF36885
584794002	AF36886
584794003	AF36887
584794004	AF36877
584794005	AF36883
584794007	AF36908
584794008	AF36903
584794009	AF36905
584794010	AF36906
584794011	AF36907
584794012	AF36879
584794013	AF36878
584794014	AF36884
584794015	AF36880
584794016	AF36881
584794017	AF36882
1205135288	Method Blank (MB)CVAA
1205135289	Laboratory Control Sample (LCS)
1205135290	Laboratory Control Sample Duplicate (LCSD)
1205135294	584794002(AF36886L) Serial Dilution (SD)
1205135292	584794002(AF36886D) Sample Duplicate (DUP)
1205135293	584794002(AF36886S) Matrix Spike (MS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

General Chemistry

Page 23 of 29 SDG: 584794 Rev1

Product: Carbon, Total Organic Analytical Method: SM 5310 B

Analytical Procedure: GL-GC-E-093 REV# 21

Analytical Batch: 2284169

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
584794008	AF36903
1205129025	Method Blank (MB)
1205129026	Laboratory Control Sample (LCS)
1205130775	584794008(AF36903) Sample Duplicate (DUP)
1205130776	584794008(AF36903) Post Spike (PS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: Carbon, Total Organic Analytical Method: SM 5310 B

Analytical Procedure: GL-GC-E-093 REV# 21

Analytical Batch: 2284974

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
584794001	AF36885
584794002	AF36886
584794003	AF36887
584794006	AF36904
584794009	AF36905
584794010	AF36906
584794011	AF36907
1205130449	Method Blank (MB)
1205130450	Laboratory Control Sample (LCS)
1205130451	584794001(AF36885) Sample Duplicate (DUP)
1205130452	584794001(AF36885) Post Spike (PS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the

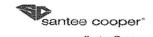
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requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

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Contract Lab Info: GEL ___ Contract Lab Due Date (Lab Only):___7

Chain of Custody

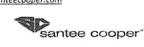


Santee Cooper One Riverwood Drive Moneks Corner, SC 29461 Phone: (843)761-8000 Ext. 5148 Fax: (843)761-4175

Customer Email/Report Recipient:			nt:	Date R	esuits Ne	eded b	γ:		Pr	oject/	Task/l	Jnit #:	Rerun reque	st for ar	ıy fla	gged	QC	
LCW	ILLIA		@santeec	ooper.com	/				125	715	J_JM	02.0	7. GØ1.1	/ <u>365∞</u> Yes	No			
ź															Δ	nalysi	s Grou	g
Labwo (Internationally)	rks ID # al use		iple Location	√	Collection Date	Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass- G/Plastic-P)	Grab (G) or Composite (C)	Matrix(see below)	Preservative (see below)	 Misc 	Comments and # orting limit . sample info other notes	RAD/226+228	TOTAL RAD OALC.	t l g	toc
AF 3	688 <i>2</i>	cc	-MUF-1		6/29/22	0930	DEW	4	P/G	G	GM	2/3/1	Hg 7470	RL 4 0.200 PPB	2	X	1	1
	86	<i>a</i> c	MLF-ID			1033		4	P/G		***************************************						-	
	87	cc	MLF-2			1140		4	Pla						1	1		1
A CONTRACTOR OF THE PARTY OF TH	77	CC	MAP-1			018]		3	P	1		2			2	x	deser	anna
1	83	co	Mn-8-6			1408		3	P		-	1			2	×	1	~
AF3	6904	Po	Z-5D		6/28/22	1003	1	1	G	G	GW	3/1			Water	ajosa	-	1
AF36	908	Po:	E-8		6/28/22	1050	L	Ж3	P	T	7	3		2	2	×	1	

Relin	iquished by	:	Employee#	Date	Time	Recei	ved by:	E	mployee	#	Date	•	Time	Sample Receiving (Intern TEMP (°C):				
Mon	our iguished by		35574	7/1/22	0934	All	ved by:		GEL		7/1/		0934 Time	Correct pH: Yes	No			
Kelin	iquisnea by	•	Employee#	Date	Time	A recei	Nea by:		Mployee 3EL	:# -	Date		1500	Preservative Lot#:				
Relin	iquished by	:	Employee#	7.7.) Date	Time	Recei	ved by:		mployee	#	bate	12	Time					
														Date/Time/Init for press	ervative:			
- An			LS (all)	Nut	<u>rients</u>	MI	SC.		<u>G</u> y	/psui	n		Coal	<u>Flyash</u>		<u>Oi</u>	1	
□ Ag	O F	-	□ Se	I TO	MAN (QUAST BOOK STANCE)	☐ BTEX ☐ Napthal	lene	I	Wallb	oard Sum <i>le</i>	.71		Ultimate	☐ Ammonia		ins. Oi %Mois		ı.
🗆 As	□ 1		□Sn		TPO4	☐ THM/E			belo	nv) -			□ % Moist □ Ash	ure	50	Color		
□в		j	□Sr	UNH	13-N	□ VOC □ Oil & C	Frease		O A				□ Sulfur	☐ Mineral		Acidity Nelectri		gth
□ Ba	□ N	9792424988	□ Ti	□ F □ Cl		🗆 E. Coli			() T c	otal met			☐ BTUs ☐ Volatile	Analysis Matter ☐ Sieve	1 01	FT Dissolv		
□Ве		/In	□ Ti	DNC	12	☐ Total C ☐ pH	olitorm			oluble A irity (Ca			□ CHN	1) % Moisture		ed Oi		
□ Ca				□ Br		□ Dissolv			10.96	Moistu		968666 22050	ther Tests:			lashpo Metals		
□ Cd			□ Zn	II NO		☐ Dissolv ☐ Rad 22			⊟ Su ⊜ pl	ilfites I			XRF Scan HGI	<u>NPDES</u>	1 ((As,Cd		i,Pb
□Со			□ Hg			□ Rad 22	8		n Ci	hlorides		i II o	Fineness	☐ Oil & Grease		Hg) rx		
□ Cr			□ CrVI			□ PCB			□ Pa □ Sulfur	irticle S	IZĊ	1.1	Particulate Ma	TSS)FER		

Chain of Custody



Santee Cooper One Riverwood Drive Moneks Corner, SC 29461 Phone: (843)761-8000 Ext. 5148 Fax: (843)761-4175

Custon	ner Email	mail/Report Recipient:		nt:	Date R	Date Results Needed by: Project/Task/Unit #:								Rerun request for any flagged					
LCN	ILLIA	PLANTAN	@santeec	ooper.com	/				1250	115	1_JM	02.08	3. GØ1.1	J_36500	Yes	No			
																A	nalysi	s Grou	īБ
Labwor (Interno only)		A CONTRACTOR (12)	ple Location cription	n/	Collection Date	Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass- G/Plastic-P)	Grab (G) or Composite (C)	Matrix(see below)	Preservative (see below)	Repo	Comments nod # orting limit c. sample info other notes		RAD 226/228	TOTAL RAD CALC.	Ha Ha	Toc
AF 36	,903	Po	·Z-4		6/28/22	1[35	DEW	4	P _s G	G	GW	2/3/1	Hg 747	D RL 40.200	PPB	2.	Х	1	1
	65	Po	£-6			(322													
	06	Po:	2- 구			1441													
	07	Pos	z-7DUP			1446					1	1					1	1	
AF36	5879	cc	MAP-3		6/30/22	0130		B	P	G	GW	2				2	×	1	
1	78	cc	MAP-2			1033		Christian		-	· · · · · · · · · · · · · · · · · · ·	1				1		1	
	84	CC	MAP-7			1129				angung publish and Pandum							and and and		
	80	cq	MAP-4			1240												and the same of th	
	81	cc	MAP-4	DUP		1245													
-	82	cc	MAP-5		-	1406			1	<u> </u>		1				1	Ţ	1	
Amo Relin	quished by:		Employee# Employee# SEL Employee#	Date T/1/22 Date 7-1-20 Date	Time ### Time ### Time	recei Luk	ved by:	. (Employee Employee BEL Employee	# 6	Date Date Date	2 }	Time Time Time	Sample Receivir. TEMP (°C): Correct pH: Preservative Lo	Yes No	Initia			
☐ Ag ☐ Al ☐ As ☐ Ba ☐ Be ☐ Ca ☐ Cd ☐ Co ☐ Cr	MI	e i i fig fin fo la	LS (all)		OC /TPO4 H3-N O2	MI BTEX Napthal THM/H VOC Oil & C E. Coli Total C Dissolv Dissolv Rad 220 Rad 220 PCB	AA irease oliform ed As ed Fe		U Wallbergy below 10 A 10 TO 10 TO 10 Put 10 Su 10 Su 10 Su 10 pp F0 Ch	osum(a ow) IM OC otal meta luble M rity (Ca Moistur lifites I slorides rricle Si	ils etals SO4)	000000000000000000000000000000000000000	Coal Ultimate % Moist Ash Sulfur BTUs Volatile CHN ther Tests: XRF Scan HGI Fineness Particulate M	ure [1 LO] 1 % Ca Minter A Matter Sieve MP Oil &	arbon cral cral cralysis e oisture DES	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Moi. Tolor Acidity ielectric PT Dissolved O lashpe Metals As. Colly Metals	il Qua sture / e Stren ved Ga il oint in oil l,Cr,N	gth

	GEL Laboratories LLC				SAMPLE RECEIPT & REVIEW FORM
-	ent			SDO	G/AR/COC/Work Order: 584795 584794 / 58478!
Re	ceived By: MVH			Dat	te Received: 3000
	Carrier and Tracking Number				FedEx Express FedEx Ground UPS Field Services Courier Other
Sus	pected Hazard Information	Yes	No	*If	Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)S	hipped as a DOT Hazardous?		X	Haz	ard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes No
	Did the client designate the samples are to be ived as radioactive?		X	co	C notation or radioactive stickers on containers equal client designation.
S	Did the RSO classify the samples as oactive?		X	Max	ximum Net Counts Observed* (Observed Counts - Area Background Counts):CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D)	Did the client designate samples are hazardous?		X		C notation or hazard labels on containers equal client designation. Or E is yes, select Hazards below.
E) I	Did the RSO identify possible hazards?		Ă		PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:
	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	X			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	X			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*	X			Preservation Method: Wet Ice Packs Dry ice None Other: *all temperatures are recorded in Celsius TEMP:
4	Daily check performed and passed on IR temperature gun?	X			Temperature Device Serial #: IR2-21 Secondary Temperature Device Serial # (If Applicable):
5	Sample containers intact and sealed?	X			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6	Samples requiring chemical preservation at proper pH?		250000	X	Sample ID's and Containers Affected: ITP Presonation and ed. Lottl: POOR CAN'S PH 1640
7	Do any samples require Volatile Analysis?			X	If Yes, are Encores or Soil Kits present for solids? Yes No NA (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes No NA (If unknown, select No) Are liquid VOA vials free of headspace? Yes No NA Sample ID's and containers affected:
8	Samples received within holding time?	X			ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	X			ID's and containers affected:
10	Date & time on COC match date & time on bottles?	X			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
11	Number of containers received match number indicated on COC?	X			Circle Applicable: No container count on COC Other (describe)
12	Are sample containers identifiable as GEL provided by use of GEL labels?			X	
13	COC form is properly signed in relinquished/received sections?	X			Circle Applicable: Not relinquished Other (describe)
Cul	mons (ese communos Form in nececu).				

List of current GEL Certifications as of 21 July 2022

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-0651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	90129
Kentucky Wastewater	90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2019020
\$1004/19/2009 40P4/2000	270
Maryland	5-3344500
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	SC000122022-5
New Hampshire NELAP	2054
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2019–165
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235-22-20
Utah NELAP	SC000122021-36
Vermont	VT87156
Virginia NELAP	460202
Washington	C780



a member of The GEL Group INC







PO Box 30712 Charleston, SC 29417 2040 Savage Road Charleston, SC 29407 P 843.556.8171 F 843.766.1178

gel.com

August 01, 2022

Ms. Jeanette Gilmetti Santee Cooper P.O. Box 2946101 OCO3 Moncks Corner, South Carolina 29461

Re: ABS Lab Analytical Work Order: 584795

Dear Ms. Gilmetti:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 01, 2022. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4289.

Sincerely,

Julie Robinson Project Manager

Purchase Order: 398684

Enclosures



2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report for

SOOP001 Santee Cooper

Client SDG: 584795 GEL Work Order: 584795

The Qualifiers in this report are defined as follows:

- * A quality control analyte recovery is outside of specified acceptance criteria
- ** Analyte is a Tracer compound
- ** Analyte is a surrogate compound
- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Julie Robinson.

Reviewed by

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: August 1, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36885
Sample ID: 584795001
Matrix: Ground Water
Collect Date: 29-JUN-22 09:30

Receive Date: 01-JUL-22 Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analy	st Date	Time Batch	Method
Rad Gas Flow Proportion	nal Counting											
GFPC, Ra228, Liquid "A	As Received"											
Radium-228	U	0.557	+/-1.09	1.91	3.00	pCi/L			CT2	07/14/22	1059 2285020	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"									
Radium-226+228 Sum		1.48	+/-1.15			pCi/L		1	NXL1	07/25/22	1104 2285019	2
Rad Radium-226												
Lucas Cell, Ra226, Liqu	iid "As Recei	ved"										
Radium-226		0.927	+/-0.375	0.401	1.00	pCi/L			CT2	07/20/22	0751 2285011	. 3
The following Analytic	al Methods w	ere perfo	ormed:									
Method	Description					A	Analys	st Co	mment	S		

1	EPA 904.0/SW846 9320 Modified				
2	Calculation				
3	EPA 903.1 Modified				
Surrogate/Tracer Recove	ery Test	Result	Nominal	Recovery%	Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 81.6 (15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 3 of 27 SDG: 584795

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: August 1, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36886
Sample ID: 584795002
Matrix: Ground Water
Collect Date: 29-JUN-22 10:33
Receive Date: 01-JUL-22

01-JUL-22 Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analy	st Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting											
GFPC, Ra228, Liquid ".	As Received"											
Radium-228	U	1.07	+/-1.10	1.83	3.00	pCi/L			CT2	07/14/22	1059 2285020	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"									
Radium-226+228 Sum		1.60	+/-1.13			pCi/L		1	NXL1	07/25/22	1104 2285019	2
Rad Radium-226												
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"										
Radium-226		0.528	+/-0.261	0.266	1.00	pCi/L			CT2	07/20/22	0751 2285011	3
The following Analytic	al Methods w	ere perfo	ormed:									
Method	Description					1	Analys	st Co	mment	S		

2	Calculation				
3	EPA 903.1 Modified				
Surrogate/Trac	cer Recovery Test	Result	Nominal	Recovery%	Acceptable Lim

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 80.9 (15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

Collector:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: August 1, 2022

SOOP00119

82

(15%-125%)

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36887 Sample ID: 584795003 Matrix: Ground Water Collect Date: 29-JUN-22 11:40 Receive Date:

01-JUL-22 Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analy	st Date	Time Batch	Method
Rad Gas Flow Proportio	nal Counting	0										
GFPC, Ra228, Liquid "A	As Received"											
Radium-228	U	0.953	+/-0.838	1.34	3.00	pCi/L			CT2	07/14/22	1059 228502	0 1
Radium-226+Radium-22	28 Calculatio	n "See Pa	arent Products"									
Radium-226+228 Sum		1.36	+/-0.869			pCi/L		1	NXL1	07/25/22	1104 228501	9 2
Rad Radium-226												
Lucas Cell, Ra226, Liqu	iid "As Recei	ved"										
Radium-226		0.411	+/-0.230	0.225	1.00	pCi/L			CT2	07/20/22	0751 228501	1 3
The following Analytic	al Methods w	ere perfo	ormed:									
Method	Description					,	Analys	et Co	mment	<u> </u>		

Method	Description		Analyst Co	mments	
1	EPA 904.0/SW846 9320 Modified		•		
2	Calculation				
3	EPA 903.1 Modified				
Surrogate/Tracer Reco	very Test	Result	Nominal	Recoverv%	Acceptable Limits

Barium-133 Tracer

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

GFPC, Ra228, Liquid "As Received"

Column headers are defined as follows:

Collector:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor MDA: Minimum Detectable Activity RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 5 of 27 SDG: 584795

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Analyst Comments

Report Date: August 1, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36877 Sample ID: 584795004 Matrix: Ground Water Collect Date: 29-JUN-22 13:10

Receive Date: 01-JUL-22 Client Collector:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analy	st Date	Time Bate	h Method
Rad Gas Flow Proportion	nal Counting	0										
GFPC, Ra228, Liquid "A	As Received"											
Radium-228	U	0.104	+/-0.822	1.54	3.00	pCi/L			CT2	07/14/22	1100 22850	20 1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"									
Radium-226+228 Sum		0.498	+/-0.850			pCi/L		1	NXL1	07/25/22	1104 22850	19 2
Rad Radium-226												
Lucas Cell, Ra226, Liqu	iid "As Recei	ved"										
Radium-226		0.394	+/-0.216	0.236	1.00	pCi/L			CT2	07/20/22	0751 22850	11 3
The following Analytic	al Methods w	ere perfo	ormed:									

The following Anar	yticai Methods	were	performed:

Description

1	EPA 904.0/SW846 9320 Modified	•	
2	Calculation		
3	EPA 903.1 Modified		

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 85.9 (15%-125%)

Method

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor MDA: Minimum Detectable Activity RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Analyst Comments

Report Date: August 1, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36883
Sample ID: 584795005
Matrix: Ground Water
Collect Date: 29-JUN-22 14:08

Receive Date: 01-JUL-22 Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analy	st Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting	e										
GFPC, Ra228, Liquid "A	As Received"											
Radium-228	U	-0.622	+/-0.961	1.93	3.00	pCi/L			CT2	07/14/22	1100 2285020	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"									
Radium-226+228 Sum		0.835	+/-1.01			pCi/L		1	NXL1	07/25/22	1104 2285019	2
Rad Radium-226												
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"										
Radium-226		0.835	+/-0.321	0.298	1.00	pCi/L			CT2	07/20/22	0751 2285011	3
The following Analytic	al Methods w	ere perfo	ormed:									

The following I	mary tiear Methods were performed.
Method	Description

2	Calculation				
3	EPA 903.1 Modified				
Surrogate/Tracer Rec	covery Test	Result	Nominal	Recovery%	Acceptable Limits

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limit Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 85.9 (15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Project:

Client ID:

Report Date: August 1, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36908
Sample ID: 584795006
Matrix: Ground Water
Collect Date: 28-JUN-22 10:50
Receive Date: 01-JUL-22

Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analy	st Date	Time B	atch	Method
Rad Gas Flow Proportion	onal Counting												
GFPC, Ra228, Liquid "	As Received"												
Radium-228	U	0.702	+/-1.38	2.39	3.00	pCi/L			CT2	07/14/22	1101 22	85020	1
Radium-226+Radium-2	28 Calculatio	n "See P	arent Products"										
Radium-226+228 Sum		1.09	+/-1.40			pCi/L		1	NXL1	07/25/22	1104 22	85019	2
Rad Radium-226													
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"											
Radium-226	U	0.386	+/-0.275	0.397	1.00	pCi/L			CT2	07/20/22	0751 22	85011	3
The following Analytic													
Mathad	Dagamintian						۸ 1	40-		_			

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	•
•		

2 Calculation 3 EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

87.4 (15%-125%)

Notes

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 8 of 27 SDG: 584795

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: August 1, 2022

SOOP00119

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36903
Sample ID: 584795007
Matrix: Ground Water
Collect Date: 28-JUN-22 11:35
Receive Date: 01-JUL-22

Client

5007 Client ID: SOOP001 d Water

Project:

Analyst Comments

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analy	st Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting											
GFPC, Ra228, Liquid "	As Received"											
Radium-228	U	-0.993	+/-1.01	2.06	3.00	pCi/L			CT2	07/14/22	1101 2285020) 1
Radium-226+Radium-2	228 Calculatio	n "See Pa	arent Products"									
Radium-226+228 Sum		2.50	+/-1.14			pCi/L		1	NXL1	07/25/22	1104 2285019	2
Rad Radium-226												
Lucas Cell, Ra226, Liq	uid "As Recei	ved"										
Radium-226		2.50	+/-0.535	0.338	1.00	pCi/L			CT2	07/20/22	0751 228501	1 3
The following Analytic	cal Methods w	ere perfo	ormed:									

Method Description

2 Calculation
3 EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 83.8 (15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

Collector:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 9 of 27 SDG: 584795

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Analyst Comments

Report Date: August 1, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36905 Sample ID: 584795008 Matrix: **Ground Water** Collect Date: 28-JUN-22 13:22

Receive Date: 01-JUL-22 Client Collector:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF A	nalyst Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting										
GFPC, Ra228, Liquid ".	As Received"										
Radium-228	U	-0.339	+/-0.850	1.69	3.00	pCi/L		C	2 07/14/22	1101 2285020	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"								
Radium-226+228 Sum		0.447	+/-0.883			pCi/L		1 N	KL1 07/25/22	1104 2285019	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"									
Radium-226		0.447	+/-0.241	0.228	1.00	pCi/L		C'	2 07/20/22	0826 2285011	3
The following Analytical Methods were performed:											

Description

1	EPA 904.0/SW846 9320 Modified		•		
2	Calculation				
3	EPA 903.1 Modified				
Surrogate/Tracer Recove	ery Test	Result	Nominal	Recovery%	Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 85 (15%-125%)

Method

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor MDA: Minimum Detectable Activity RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: August 1, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO₃

Client

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36906 Sample ID: 584795009 Matrix: Ground Water Collect Date: 28-JUN-22 14:41 Receive Date:

01-JUL-22

MDC RL Parameter Qualifier Result Uncertainty Units PF DF Analyst Date Time Batch Method Rad Gas Flow Proportional Counting GFPC, Ra228, Liquid "As Received" Radium-228 2.56 +/-1.43 2.21 3.00 pCi/L 07/14/22 1101 2285020 Radium-226+Radium-228 Calculation "See Parent Products" Radium-226+228 Sum +/-1.51NXL1 07/25/22 1104 2285019 pCi/L 2 Rad Radium-226 Lucas Cell, Ra226, Liquid "As Received" Radium-226 +/-0.460 0.312 1.00 pCi/L CT2 07/20/22 0826 2285011 3 The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	•
2	Calculation	

EPA 903.1 Modified

Collector:

Surrogate/Tracer Recovery Result Nominal Acceptable Limits Test Recovery% Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 82.2 (15%-125%)

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor MDA: Minimum Detectable Activity **RL**: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: August 1, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36907
Sample ID: 584795010
Matrix: Ground Water
Collect Date: 28-JUN-22 14:46
Receive Date: 01-JUL-22

Client

a water N-22 14:46

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analy	st Date	Time	Batch	Method
Rad Gas Flow Proportio	nal Counting												
GFPC, Ra228, Liquid "A	As Received"												
Radium-228	U	0.702	+/-1.02	1.75	3.00	pCi/L			CT2	07/14/22	1101	2285020	1
Radium-226+Radium-22	28 Calculatio	n "See Pa	arent Products"										
Radium-226+228 Sum		1.81	+/-1.09			pCi/L		1	NXL1	07/25/22	1104	2285019	2
Rad Radium-226													
Lucas Cell, Ra226, Liqu	id "As Recei	ved"											
Radium-226		1.11	+/-0.405	0.420	1.00	pCi/L			CT2	07/20/22	0826	2285011	3
The following Analytical Methods were performed:													

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	•
	W & E	

2 Calculation 3 EPA 903.1 Modified

Collector:

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

86.9 (15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: August 1, 2022

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Client

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36879
Sample ID: 584795011
Matrix: Ground Water
Collect Date: 30-JUN-22 09:30
Receive Date: 01-JUL-22

Client ID: SOOP001

SOOP00119

Project:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analy	st Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting											
GFPC, Ra228, Liquid ".	As Received"											
Radium-228	U	0.582	+/-1.11	1.94	3.00	pCi/L			CT2	07/14/22	1101 2285020	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"									
Radium-226+228 Sum		1.59	+/-1.16			pCi/L		1	NXL1	07/25/22	1104 2285019	2
Rad Radium-226												
Lucas Cell, Ra226, Liqu	ıid "As Recei	ved"										
Radium-226		1.01	+/-0.336	0.254	1.00	pCi/L			CT2	07/20/22	0826 2285011	3
The following Analytic	The following Analytical Methods were performed:											
Method	Description Analyst Comments											

Surrogate/Trace	or Decovery Test	Decult	Nominal	Docovery0/	Acceptable Lim
3	EPA 903.1 Modified				
2	Calculation				
1	EPA 904.0/SW846 9320 Modified		•		

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

84.8 (15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

Collector:

DF: Dilution Factor Lc/LC: Critical Level
DL: Detection Limit PF: Prep Factor
MDA: Minimum Detectable Activity RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: August 1, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36878
Sample ID: 584795012
Matrix: Ground Water
Collect Date: 30-JUN-22 10:33

Receive Date: 01-JUL-22 Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analy	st Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting											
GFPC, Ra228, Liquid ".	As Received"											
Radium-228	U	-0.352	+/-0.850	1.68	3.00	pCi/L			CT2	07/14/22	1101 228502	0 1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"									
Radium-226+228 Sum		0.608	+/-0.896			pCi/L		1	NXL1	07/25/22	1104 228501	9 2
Rad Radium-226												
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"										
Radium-226		0.608	+/-0.282	0.326	1.00	pCi/L			CT2	07/20/22	0826 228501	1 3
The following Analytic	The following Analytical Methods were performed:											
Method	Description		Analyst Comments									

C	Troops December Test	D a c14	Manaina1	D = = =====0/	A a a a mt a la la T i
3	EPA 903.1 Modified				
2	Calculation				

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

86.3 (15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Project:

Client ID:

Report Date: August 1, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36884
Sample ID: 584795013
Matrix: Ground Water
Collect Date: 30-JUN-22 11:29

Receive Date: 01-JUL-22 Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analy	st Date	Time B	atch	Method
Rad Gas Flow Proportion	onal Counting	67											
GFPC, Ra228, Liquid "	As Received"												
Radium-228	U	0.457	+/-0.952	1.68	3.00	pCi/L			CT2	07/14/22	1101 22	85020	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"										
Radium-226+228 Sum		1.02	+/-0.985			pCi/L		1	NXL1	07/25/22	1104 22	85019	2
Rad Radium-226													
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"											
Radium-226		0.568	+/-0.254	0.207	1.00	pCi/L			CT2	07/20/22	0826 22	85011	3
The following Analytical Methods were performed:													
Mathad	Dagamintian						۸ 1	40-		_			

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	·
2	Calculation	

3 EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

85.3 (15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: August 1, 2022

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36880
Sample ID: 584795014
Matrix: Ground Water
Collect Date: 30-JUN-22 12:40
Receive Date: 01-JUL-22

Client

Client ID: SOOP001

SOOP00119

Project:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analy	st Date	Time Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Ra228, Liquid ".	As Received"											
Radium-228	U	-1.14	+/-0.835	1.82	3.00	pCi/L			CT2	07/14/22	1102 2285020	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"									
Radium-226+228 Sum		4.45	+/-1.05			pCi/L		1	NXL1	07/25/22	1104 2285019	2
Rad Radium-226												
Lucas Cell, Ra226, Liqu	iid "As Recei	ved"										
Radium-226		4.45	+/-0.640	0.181	1.00	pCi/L			CT2	07/20/22	0826 2285011	3
The following Analytical Methods were performed:												

MethodDescriptionAnalyst Comments1EPA 904.0/SW846 9320 Modified2Calculation3EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

85 (15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

Collector:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Analyst Comments

Report Date: August 1, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36881
Sample ID: 584795015
Matrix: Ground Water
Collect Date: 30-JUN-22 12:45
Receive Date: 01-JUL-22

Receive Date: 01-JUI Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF A	Analys	st Date	Time	Batch	Method
Rad Gas Flow Proportion	onal Counting												
GFPC, Ra228, Liquid ".	As Received"												
Radium-228		4.25	+/-1.61	2.28	3.00	pCi/L			CT2	07/14/22	1102	2285020	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"										
Radium-226+228 Sum		4.96	+/-1.63			pCi/L		1 N	NXL1	07/25/22	1104	2285019	2
Rad Radium-226													
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"											
Radium-226		0.712	+/-0.296	0.227	1.00	pCi/L		C	CT2	07/20/22	0858	2285011	3
The following Analytical Methods were performed:													

2	Calculation				
3	EPA 903.1 Modified				
Surrogate/Tr	racer Recovery Test	Result	Nominal	Recovery%	Acceptable Limits

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limited Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 83.1 (15%-125%)

Notes

Method

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

Description

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: August 1, 2022

Company: Santee Cooper Address: P.O. Box 2946101

OCO₃

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36882
Sample ID: 584795016
Matrix: Ground Water
Collect Date: 30-JUN-22 14:06
Receive Date: 01-JUL-22

Client

Client ID: SOOP001

SOOP00119

Project:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analy	st Date	Time Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Ra228, Liquid "A	As Received"											
Radium-228	U	-0.313	+/-1.14	2.21	3.00	pCi/L			CT2	07/14/22	1313 2285020	1
Radium-226+Radium-22	28 Calculatio	n "See Pa	arent Products"									
Radium-226+228 Sum		0.686	+/-1.18			pCi/L		1	NXL1	07/25/22	1104 2285019	2
Rad Radium-226												
Lucas Cell, Ra226, Liqu	iid "As Recei	ved"										
Radium-226		0.686	+/-0.318	0.396	1.00	pCi/L			CT2	07/20/22	0858 2285011	3
The following Analytical Methods were performed:												

MethodDescriptionAnalyst Comments1EPA 904.0/SW846 9320 Modified

2 Calculation 3 EPA 903.1 Modified

Collector:

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

85.3 (15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Report Date: August 1, 2022

Santee Cooper P.O. Box 2946101

OCO3

Moncks Corner, South Carolina

Contact: Ms. Jeanette Gilmetti

Workorder: 584795

Parmname			NOM	Sample	Qual	QC	Units	RPD%	REC%	Range A	nlst	Date Time
Rad Gas Flow Batch 228	35020											
QC1205130576 Radium-228	584795001	DUP	U Uncertainty	0.557 +/-1.09		1.18 +/-0.758	pCi/L	71.5		(0% - 100%)	CT2	07/14/22 10:58
QC1205130577 Radium-228	LCS		44.9 Uncertainty			42.9 +/-3.26	pCi/L		95.5	(75%-125%)		07/14/22 10:58
QC1205130575 Radium-228	MB		Uncertainty		U	1.02 +/-1.07	pCi/L					07/14/22 13:13
Rad Ra-226 Batch 228	35011											
QC1205130553 Radium-226	584795001	DUP	Uncertainty	0.927 +/-0.375		0.756 +/-0.288	pCi/L	20.3		(0% - 100%)	CT2	07/20/22 08:58
QC1205130555 Radium-226	LCS		26.5 Uncertainty			20.4 +/-1.49	pCi/L		76.9	(75%-125%)		07/20/22 08:58
QC1205130552 Radium-226	MB		Uncertainty		U	0.291 +/-0.261	pCi/L					07/20/22 08:58
QC1205130554 Radium-226	584795001	MS	130 Uncertainty	0.927 +/-0.375		100 +/-6.84	pCi/L		76.4	(75%-125%)		07/20/22 08:58

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

The Qualifiers in this report are defined as follows:

** Analyte is a Tracer compound

< Result is less than value reported

> Result is greater than value reported

BD Results are either below the MDC or tracer recovery is low

FA Failed analysis.

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Page 1 of 2

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Workorder: 584795 Page 2 of 2 Parmname **NOM** Sample Qual QC Units RPD% REC% Range Anlst Date Time Н Analytical holding time was exceeded J See case narrative for an explanation J Value is estimated K Analyte present. Reported value may be biased high. Actual value is expected to be lower. L Analyte present. Reported value may be biased low. Actual value is expected to be higher. M M if above MDC and less than LLD REMP Result > MDC/CL and < RDL M N/A RPD or %Recovery limits do not apply. N1See case narrative ND Analyte concentration is not detected above the detection limit NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier Q One or more quality control criteria have not been met. Refer to the applicable narrative or DER. R Sample results are rejected U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD. UI Gamma Spectroscopy--Uncertain identification Gamma Spectroscopy--Uncertain identification UJ UL, Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias. X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier Y Other specific qualifiers were required to properly define the results. Consult case narrative. Λ

- RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
- h Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.

- ^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where the duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
- * Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

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Radiochemistry Technical Case Narrative Santee Cooper SDG #: 584795

Product: Radium-226+Radium-228 Calculation

Analytical Method: Calculation

Analytical Procedure: GL-RAD-D-003 REV# 45

Analytical Batch: 2285019

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
584795001	AF36885
584795002	AF36886
584795003	AF36887
584795004	AF36877
584795005	AF36883
584795006	AF36908
584795007	AF36903
584795008	AF36905
584795009	AF36906
584795010	AF36907
584795011	AF36879
584795012	AF36878
584795013	AF36884
584795014	AF36880
584795015	AF36881
584795016	AF36882

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: GFPC, Ra228, Liquid

Analytical Method: EPA 904.0/SW846 9320 Modified **Analytical Procedure:** GL-RAD-A-063 REV# 5

Analytical Batch: 2285020

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
584795001	AF36885
584795002	AF36886
584795003	AF36887
584795004	AF36877

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584795005	AF36883
584795006	AF36908
584795007	AF36903
584795008	AF36905
584795009	AF36906
584795010	AF36907
584795011	AF36879
584795012	AF36878
584795013	AF36884
584795014	AF36880
584795015	AF36881
584795016	AF36882
1205130575	Method Blank (MB)
1205130576	584795001(AF36885) Sample Duplicate (DUP)
1205130577	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Recounts

Sample 1205130575 (MB) was recounted due to a suspected blank false positive. The recount is reported. Sample 584795016 (AF36882) was recounted due to results more negative than the three sigma TPU. The second count is reported.

Product: Lucas Cell, Ra226, Liquid Analytical Method: EPA 903.1 Modified

Analytical Procedure: GL-RAD-A-008 REV# 15

Analytical Batch: 2285011

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
584795001	AF36885
584795002	AF36886
584795003	AF36887
584795004	AF36877
584795005	AF36883
584795006	AF36908
584795007	AF36903
584795008	AF36905
584795009	AF36906
584795010	AF36907
584795011	AF36879
584795012	AF36878
584795013	AF36884

584795014	AF36880
584795015	AF36881
584795016	AF36882
1205130552	Method Blank (MB)
1205130553	584795001(AF36885) Sample Duplicate (DUP)
1205130554	584795001(AF36885) Matrix Spike (MS)
1205130555	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

Additional Comments

The matrix spike, 1205130554 (AF36885MS), aliquot was reduced to conserve sample volume.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

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Project/Task/Unit #:

Contract Lab Info:

Customer Email/Report Recipient:

7 / 11 __ Contract Lab Due Date (Lab Only):__

Chain of Custody

Date Results Needed by:



Rerun request for any flagged QC

LCWILLIA @santeecooper.co				ooper.com	om						125915 / JM02.09.681.1 / 36500 Yes											
																		<u>A</u> ı	nalysis	Grou	B	
Labworks ID # (Internal use only)			Sample Location/ Description			Collection Date		Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass-G/Plastic-P)	Grab (G) or Composite (C)	Matrix(see below)	Preservative (see below)	Misc	Comments od # orting limit . sample info other notes		RAD/226+228	TOTAL RAD CALC.	Hg.	trsc	
AF36885			<u>c</u> c	6/29/22		<i>6930</i>	DEW	4	16	G	GW	2/3/1	Hg 74-70	RL 4 0.200 PPI	3	2	х	1	1			
86			CCA				(033		4	1/6										Samuel Landson		
		87	ccMLF-2					1140		4	Pla			L				Ţ	1	1	1	
	-	77	CCH	MAP-1				1310		3	P			2				2	×	1		
_		83	COMP-P-6				•	1408		3	P		1	1				2	×	1	~	
AF36904 POZ-5D						6/28	1/22	1003	L	1	G	G	GW	3/1				,			1	
AF36708			P0Z-8			6/28	/22	1050	T	Ж3	P		7	3				2	х	1	-	
					·																	
Re	elinquist	ned by:		Employee#	Date	Tim	e	Receiv	red by:	E	mployee	e#	Date	2	Time	Sample Receiving (I TEMP (°C):		se On nitial				
Mown					7/1/22	0934		SIP			GEL 7			7/1/22 0934		Correct pH: Yes No					-	
Relinquished by		red by:	: Employee# C		Date	Tim	Time Receiv		red by:	E	Employee # Date		e	Time	Preservative Lot#:							
DID		9	: Employee#		7.6.) Date	1500		Julto			351	- 1.111 O.C			1200	Freservative Lot#:						
Relinquished by		ned by:	: Employee# / C		/ Date	Time V Rec		V Receiv	ed by:	E	Employee # Di		1 bate	te Time		Date/Time/Init for preservative:						
I			TTAI	S (all)							_											
□A	ALEXANDER CONTRACTOR	A STANDARD STORY	METALS (all)		<u>INUL</u>	ients inisc.		<u>sc.</u>		<u>Gypsum</u> ⊟ Wallbeard				<u>Coal</u>	<u>Flvas</u> l			<u>Oi</u>				
□ A	d	□ Fe	-e □ Se □ D		□ TO □ DO	C □ Napthalene					Gyj	osum(<i>c</i>	rII		Ultimate ☐ Ammonia ☐ W Moisture ☐ LOi				Trans. Oll Qual.			
98/8/6/69	□ As □ K				100000000000000000000000000000000000000	TP/TPO4		□ THM/HAA □ VOC			below)				☐ Ash ☐ % Carbon			ΠA	olot cidity			
□ B			1 131		I E	IH3-N		□ Oil & Grease			DTOC				☐ Sulfur ☐ Mineral ☐ BTUs Analysis				O Dielectric Strength			
□ Ba □ N			n cr	n l		☐ E. Coli ☐ Total Coliform			☐ Total metals ☐ Soluble Metals				☐ Volatile Matter ☐ Sieve			0.0	issolv		ses			
□ Be □ N				— □ NO	□ NO3		□ pH □ Dissolved As □ Dissolved Fe			☐ Purity (CaSO4) ☐ % Moisture ☐ Sulfites				Other Tests: Oxfr Scan NPDES			☐ Used Oil ☐ Flashpoint					
Ca DN				II NO													Metals in oil (As.Cd.Cr.Ni.Pb					
□ Cd □ N				USO	□ SO4		☐ Rad 226 ☐ Rad 228			⊟ pl ⊟ Cl	l Horides			HGI Fineness	□ Oil & Gre	□ Oil & Grease			Hg)			
	□ Co □ N □ Cr □ P							□ PCB			☐ Particle Size ☐ Sulfur				☐ Particulate Matter ☐ As ☐ TSS			STX SGOFER				
LUC	[□ Cr □ I			CrVl																		

Chain of Custody



Santee Cooper One Riverwood Drive Moneks Corner, SC 29461 Phone: (843)761-8000 Ext. 5148 Fax: (843)761-4175

Customer Email/Report Recipient:			Date R	esults Ne	eeded b	y:	: Project/Task/Unit #: Rerun request for any fla								gged	QC				
L	CWILL	-14		@santeec	ooper.com		'			125	715	/_JM	62.08	3. GØ1.1	1_36500	Yes	No			
																	<u>A</u>	nalysi	Grou	P
200	works II ernal us /)			ple Location	n/	Collection Date	Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass- G/Plastic-P)	Grab (G) or Composite (C)	Matrix(see below)	Preservative (see below)	Misc	Comments od # orting limit . sample info other notes		RAD 226/228	TOTAL RAD CALC.	H9	Toc
AF	3690	3	Po	亚- 4		6/28/22	1132	DEW	4	P _s G	G	GW	2/3/1	Hg 기식기다	RL 40.200 P	'PB	2	X	l	İ
	0	5	Fo	E-6			[322)							1	1		
	0	6	þo:	e-7			1441							,			The second secon	Vi granda de la companya de la compa		
	e	07	P07	z-7-DUP			1446			<u> </u>		1						<u></u>	-	_
AF	368-	19	cc	MAP-3		6/30/22	OF30		3	P	G	GW	2				2	×	١	
		78	CC	MAP-2	****		1033										***************************************			
		84	cc	MAP-7	retario materialistica		1129													
		80	cq	MAP- 4			1240													
		81	cc	MAP - 4	DUP		1245													
		82	cc	MAP-5		1 4	1406			1						ŀ		1	<u> </u>	
R	telinquist	hed by:		Employee#	Date	Time	Recei	ved by:		Employee	:#	Date		Time	Sample Receiving (TEMP (°C):		se On nitial			
	abun			35594	章7/1/22	0134	_A			GEL		1/1/2		ce134	Correct pH: Ye	es No				
R	telinquist	hed by:		Employee#	Date	Time	, Kečei	ved by:		Employee		Date	9	Time						
,	MO	9		GEL	7.1.22	1500	hili		- (SEL	<u>-</u> ' °	1/1/	22	1200	Preservative Lot#	•				
R	élinguist	hed by:		Employee#	Date	Time	(Recei	ved by:	1	Employee	:#	Date	•	Time						
															Date/Time/Init for	r preserva	tive:			
			ETA	LS (all)	Nice	trients	8.71	ic C		GV	/psur	••		Cool	FI.			Oi	,	
07		□с		□Sb			□ BTEX	ISC.		ى ك Wallb		-11	1.	<u>Coal</u> Ultimate	<u>Flvas</u>		Ten	1000	i Oua	
	Al	□F	е	□ Se			□ Naptha	lene		SECTION OF THE PROPERTY.	osum(a	ill	1 7	☐ % Moist	ure EADI	na		Moi:		•
	As	ΠK		□ Sn		P/TPO4	☐ THM/E	IAA		belo				□ Ash	E % Carb	on		olor cidity		
	В	OL	i	□Sr		43-N	□ VOC □ Oil & C	Grease		ELA El To				☐ Sulfur	[] Mineral				e Strenj	gth
	Ва	ΩМ	lg	□Ті	□ F □ Cl		□ E. Coli			O To	otal met			☐ BTUs ☐ Volatile		lysis	011		and C	
OI		□м		□ TI	ON		□ Total C □ pH	oliform			oluble M irity (Ca			☐ CHN	Matter 18 ieve	ature		usson e d O i	ed Ga I	ses
	8/46/47/50/50/5/2	□М			□ Br		☐ Dissolv				irity (Ca Moistu		C	ther Tests:			ΠF	lashpo	oint	
		1 310828500			DN		☐ Dissolv			□Su	ilfites			XRF Scan	NPDI	ES			in oil ,Cr,Ni	Pk
□ (□N		□ Zn	□ SC)4	☐ Rad 22			□ pl □ Cl	1 Horides			HGI Fineness	Oil & Gr	ease	1	lg)	44.141	,1 13
		□N		□Hg			□РСВ			□ Pa	rticle S			Particulate Ma	itter		01			
	Cr .	□Pl	0	☐ CrVI						⊖ Sulfur					11133		H GC	TEK		

Client			T	SAMPLE RECEIPT & REVIEW FORM (AR/COC/Work Order: 58478 584794 / 58478
Received By: MVH	·····			e Received:
Carrier and Tracking Number				Circle Applicable: FedEx Express FedEx Ground UPS Field Services Courier Other
iuspected Hazard Information	Yes	oN.	*If N	Het Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
s)Shipped as a DOT Hazardous?		X	Haza	ard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes No
e) Did the client designate the samples are to be eccived as radioactive?		X	coc	notation or radioactive stickers on containers equal client designation.
c) Did the RSO classify the samples as adioactive?		X	Maxi	imum Net Counts Observed* (Observed Counts - Area Background Counts):CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
) Did the client designate samples are hazardous?		X		notation or hazard labels on containers equal client designation. or E is yes, select Hazards below.
) Did the RSO identify possible hazards?		X		PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:
Sample Receipt Criteria	Yes	, VA	No No	Comments/Qualifiers (Required for Non-Conforming Items)
Shipping containers received intact and sealed?	X			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
Chain of custody documents included with shipment?	X			Circle Applicable: Client contacted and provided COC COC created upon receipt
Samples requiring cold preservation within (0 ≤ 6 deg. C)?*	X	à.		Preservation Method Wet Ice Ice Packs Dry ice None Other: *all temperatures are recorded in Celsius TEMP:
Daily check performed and passed on IR temperature gun?	X			Temperature Device Serial #: IR2-21 Secondary Temperature Device Serial # (If Applicable):
5 Sample containers intact and sealed?	X			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
Samples requiring chemical preservation at proper pH?			X	Sample ID's and Containers Affected: IT Preservation added, Lot#: If Yes, are Encores or Soil Kits present for solids? YesNoNA(If yes, take to VOA Freezer)
Do any samples require Volatile Analysis?			V	Do liquid VOA vials contain acid preservation? Yes No NA (If unknown, select No) Are liquid VOA vials free of headspace? Yes No NA Sample ID's and containers affected:
8 Samples received within holding time?	X			ID's and tests affected:
Sample ID's on COC match ID's on bottles?	X			ID's and containers affected:
Date & time on COC match date & time on bottles?	X			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
Number of containers received match number indicated on COC?	X			Circle Applicable: No container count on COC Other (describe)
Are sample containers identifiable as GEL provided by use of GEL labels?			X	
relinquished/received sections?	IX			Circle Applicable: Not relinquished Other (describe)

List of current GEL Certifications as of 01 August 2022

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-0651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	90129
Kentucky Wastewater	90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2019020
24776/44/22/214074/2016	2019020
Maryland	M-SC012
Massachusetts Massachusetts DEAS Amnov	
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	SC000122022-5
New Hampshire NELAP	2054
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2019–165
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235-22-20
Utah NELAP	SC000122021-36
Vermont	VT87156
Virginia NELAP	460202
Washington	C780



Environment Testing America

ANALYTICAL REPORT

Eurofins Savannah 5102 LaRoche Avenue Savannah, GA 31404 Tel: (912)354-7858

Laboratory Job ID: 680-220687-1

Client Project/Site: 125915/JM02.08.G01.3/36500

Revision: 1

For:

South Carolina Public Service Authority Santee Cooper PO BOX 2946101 Moncks Corner, South Carolina 29461-2901

Attn: Linda Williams

Juny James

Authorized for release by:

9/15/2022 6:42:47 PM

Jerry Lanier, Project Manager I (912)250-0281

Jerry.Lanier@et.eurofinsus.com

.....LINKS

Review your project results through

Have a Question?



Visit us at: www.eurofinsus.com/Env The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

Job ID: 680-220687-1

Laboratory: Eurofins Savannah

Narrative

Job Narrative 680-220687-1

Receipt

The samples were received on 9/7/2022 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 27.0°C

Revision

The final report was revsed to include additional metals per client request.

Metals

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

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Sample Summary

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.3/36500

680-220687-34

AF36884

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-220687-1	AF36905	Water	06/28/22 13:22	09/07/22 10:30
680-220687-2	AF36906	Water	06/28/22 14:41	09/07/22 10:30
680-220687-3	AF36907	Water	06/28/22 14:46	09/07/22 10:30
680-220687-4	AF36908	Water	06/28/22 10:50	09/07/22 10:30
680-220687-5	AF36886	Water	06/29/22 10:33	09/07/22 10:30
680-220687-6	AF36887	Water	06/29/22 11:40	09/07/22 10:30
680-220687-7	AF36888	Water	06/21/22 10:04	09/07/22 10:30
680-220687-8	AF36889	Water	06/21/22 11:09	09/07/22 10:30
680-220687-9	AF36890	Water	06/21/22 11:14	09/07/22 10:30
680-220687-10	AF36891	Water	06/21/22 12:31	09/07/22 10:30
680-220687-11	AF36892	Water	06/21/22 13:23	09/07/22 10:30
680-220687-12	AF36893	Water	06/21/22 14:23	09/07/22 10:30
680-220687-13	AF36901	Water	06/20/22 15:31	09/07/22 10:30
680-220687-14	AF36903	Water	06/28/22 11:35	09/07/22 10:30
680-220687-15	AF36861	Water	06/22/22 12:53	09/07/22 10:30
680-220687-16	AF36863	Water	06/23/22 16:08	09/07/22 10:30
680-220687-17	AF36864	Water	06/23/22 14:49	09/07/22 10:30
680-220687-18	AF36865	Water	06/23/22 13:27	09/07/22 10:30
680-220687-19	AF36866	Water	06/23/22 12:15	09/07/22 10:30
680-220687-20	AF36867	Water	06/23/22 11:16	09/07/22 10:30
680-220687-21	AF36868	Water	06/23/22 10:05	09/07/22 10:30
680-220687-22	AF36869	Water	06/22/22 15:40	09/07/22 10:30
680-220687-23	AF36870	Water	06/22/22 15:45	09/07/22 10:30
680-220687-24	AF36871	Water	06/22/22 14:45	09/07/22 10:30
680-220687-25	AF36874	Water	06/22/22 10:27	09/07/22 10:30
680-220687-26	AF36876	Water	06/20/22 14:16	09/07/22 10:30
680-220687-27	AF36877	Water	06/29/22 13:10	09/07/22 10:30
680-220687-28	AF36878	Water	06/30/22 10:33	09/07/22 10:30
680-220687-29	AF36879	Water	06/30/22 09:30	09/07/22 10:30
680-220687-30	AF36880	Water	06/30/22 12:40	09/07/22 10:30
680-220687-31	AF36881	Water	06/30/22 12:45	09/07/22 10:30
680-220687-32	AF36882	Water	06/30/22 14:06	09/07/22 10:30
680-220687-33	AF36883	Water	06/29/22 14:08	09/07/22 10:30

Job ID: 680-220687-1

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Water

06/30/22 11:29 09/07/22 10:30

Method Summary

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV

Protocol References:

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

Laboratory References:

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

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Definitions/Glossary

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

Qualifiers

Metals

Qualifier Qualifier Description

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.	ě
		-

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

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Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.3/36500	Job ID: 680-220687-1
Client Sample ID: AF36905	Lab Sample ID: 680-220687-1
No Detections.	
Client Sample ID: AF36906	Lab Sample ID: 680-220687-2
No Detections.	
Client Sample ID: AF36907	Lab Sample ID: 680-220687-3
No Detections.	
Client Sample ID: AF36908	Lab Sample ID: 680-220687-4
No Detections.	
Client Sample ID: AF36886	Lab Sample ID: 680-220687-5
No Detections.	
Client Sample ID: AF36887	Lab Sample ID: 680-220687-6
No Detections.	
Client Sample ID: AF36888	Lab Sample ID: 680-220687-7
No Detections.	
Client Sample ID: AF36889	Lab Sample ID: 680-220687-8
No Detections.	
Client Sample ID: AF36890	Lab Sample ID: 680-220687-9
No Detections.	
Client Sample ID: AF36891	Lab Sample ID: 680-220687-10
No Detections.	
Client Sample ID: AF36892	Lab Sample ID: 680-220687-11
No Detections.	
Client Sample ID: AF36893	Lab Sample ID: 680-220687-12
No Detections.	
Client Sample ID: AF36901	Lab Sample ID: 680-220687-13
No Detections.	
Client Sample ID: AF36903	Lab Sample ID: 680-220687-14
No Detections.	
Client Sample ID: AF36861	Lab Sample ID: 680-220687-15
No Detections.	
Client Sample ID: AF36863	Lab Sample ID: 680-220687-16
No Detections.	

This Detection Summary does not include radiochemical test results.

Eurofins Savannah

Detection Summary	
Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.3/36500	Job ID: 680-220687-1
Client Sample ID: AF36864	Lab Sample ID: 680-220687-17
No Detections.	
Client Sample ID: AF36865	Lab Sample ID: 680-220687-18
No Detections.	
Client Sample ID: AF36866	Lab Sample ID: 680-220687-19
No Detections.	
Client Sample ID: AF36867	Lab Sample ID: 680-220687-20
No Detections.	
Client Sample ID: AF36868	Lab Sample ID: 680-220687-21
No Detections.	
Client Sample ID: AF36869	Lab Sample ID: 680-220687-22
No Detections.	
Client Sample ID: AF36870	Lab Sample ID: 680-220687-23
No Detections.	
Client Sample ID: AF36871	Lab Sample ID: 680-220687-24
No Detections.	
Client Sample ID: AF36874	Lab Sample ID: 680-220687-25
No Detections.	
Client Sample ID: AF36876	Lab Sample ID: 680-220687-26
No Detections.	
Client Sample ID: AF36877	Lab Sample ID: 680-220687-27
No Detections.	
Client Sample ID: AF36878	Lab Sample ID: 680-220687-28
No Detections.	
Client Sample ID: AF36879	Lab Sample ID: 680-220687-29
No Detections.	
Client Sample ID: AF36880	Lab Sample ID: 680-220687-30
No Detections.	
Client Sample ID: AF36881	Lab Sample ID: 680-220687-31
No Detections.	
Client Sample ID: AF36882	Lab Sample ID: 680-220687-32
7	

This Detection Summary does not include radiochemical test results.

No Detections.

Eurofins Savannah

Detection Summary

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

Lab Sample ID: 680-220687-33

No Detections.

Client Sample ID: AF36883

Client Sample ID: AF36884 Lab Sample ID: 680-220687-34

No Detections.

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Client: South Carolina Public Service Authority Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Lab Sample ID: 680-220687-1 **Client Sample ID: AF36905** Date Collected: 06/28/22 13:22

Matrix: Water

Method: 6020B - Meta	als (ICP/MS) - Total F	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	I	5.00		ua/L		09/09/22 06:50	09/09/22 22:40	1

Client: South Carolina Public Service Authority

Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Client Sample ID: AF36906 Lab Sample ID: 680-220687-2

Matrix: Water

Date Collected: 06/28/22 14:41 Date Received: 09/07/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 22:37	1

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Client: South Carolina Public Service Authority

Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Client Sample ID: AF36907 Lab Sample ID: 680-220687-3

Matrix: Water

Date Collected: 06/28/22 14:46 Date Received: 09/07/22 10:30

Method: 60)20B - Metals (ICP/MS) - Total I	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ua/L		09/09/22 06:50	09/09/22 22:44	1

8

9

13

Client: South Carolina Public Service Authority

Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Client Sample ID: AF36908 Lab Sample ID: 680-220687-4

Matrix: Water

Date Collected: 06/28/22 10:50 Date Received: 09/07/22 10:30

Method: 6020B - Metals (ICP/M	S) - Total F	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 22:48	1

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13

Client: South Carolina Public Service Authority Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Lab Sample ID: 680-220687-5 **Client Sample ID: AF36886** Date Collected: 06/29/22 10:33

Matrix: Water

Method: 6020B - Metals (ICP/MS) -	· Total F	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 22:51	1

Client: South Carolina Public Service Authority

Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Client Sample ID: AF36887 Lab Sample ID: 680-220687-6

Matrix: Water

Date Collected: 06/29/22 11:40 Date Received: 09/07/22 10:30

Method: 6020B - Metals (ICP/N	IS) - Total F	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 23:54	1

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Client: South Carolina Public Service Authority

Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Client Sample ID: AF36888 Lab Sample ID: 680-220687-7

Matrix: Water

Date Collected: 06/21/22 10:04 Date Received: 09/07/22 10:30

Method: 6020B - Metals (ICP/N	IS) - Total F	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 23:02	1

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Client: South Carolina Public Service Authority

Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Client Sample ID: AF36889 Lab Sample ID: 680-220687-8

Matrix: Water

Date Collected: 06/21/22 11:09 Date Received: 09/07/22 10:30

Method: 6020B - Meta	als (ICP/MS) - Total F	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ua/L		09/09/22 06:50	09/09/22 23:06	1

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Client: South Carolina Public Service Authority

Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Client Sample ID: AF36890 Lab Sample ID: 680-220687-9

Matrix: Water

Date Collected: 06/21/22 11:14 Date Received: 09/07/22 10:30

Method: 6020B - Metals (ICP/MS)	- lotal h	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 23:10	•

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Client: South Carolina Public Service Authority Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Lab Sample ID: 680-220687-10 Client Sample ID: AF36891 Date Collected: 06/21/22 12:31

Matrix: Water

Method: 6020B - Metals (ICP/MS)	- Total F	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 23:14	1

Client: South Carolina Public Service Authority

Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Client Sample ID: AF36892 Lab Sample ID: 680-220687-11

Matrix: Water

Date Collected: 06/21/22 13:23 Date Received: 09/07/22 10:30

Method: 6020B - Metals (ICP/MS	5) - Total F	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 23:17	1

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Client: South Carolina Public Service Authority Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Client Sample ID: AF36893 Lab Sample ID: 680-220687-12 Date Collected: 06/21/22 14:23

Matrix: Water

Method: 6020B - Metals (ICP/M	S) - Total F	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ua/L		09/09/22 06:50	09/09/22 23:21	1

Client: South Carolina Public Service Authority

Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Client Sample ID: AF36901 Lab Sample ID: 680-220687-13

Date Collected: 06/20/22 15:31 Matrix: Water

Date Received: 09/07/22 10:30

Method: 6020B - Metals (ICP/MS) -	· Total F	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 23:25	1

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Client: South Carolina Public Service Authority Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Lab Sample ID: 680-220687-14 Client Sample ID: AF36903 Date Collected: 06/28/22 11:35

Matrix: Water

Method: 6020B - Metals	(ICP/MS) - Total F	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ua/L		09/09/22 06:50	09/09/22 23:28	1

Client: South Carolina Public Service Authority Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Lab Sample ID: 680-220687-15 Client Sample ID: AF36861 Date Collected: 06/22/22 12:53

Matrix: Water

Method: 6020B - Metals (ICP/MS)	- Total F	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ua/L		09/09/22 06:50	09/09/22 23:32	1

Client: South Carolina Public Service Authority Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Lab Sample ID: 680-220687-16 Client Sample ID: AF36863 Date Collected: 06/23/22 16:08

Matrix: Water

Method: 6020B - Metals (ICP/M	S) - Total F	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ua/L		09/09/22 06:50	09/09/22 23:36	1

Client: South Carolina Public Service Authority Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Lab Sample ID: 680-220687-17 Client Sample ID: AF36864 Date Collected: 06/23/22 14:49

Matrix: Water

Meth	od: 6020B - Metals (ICP/MS)	- Total F	Recoverable							
Analy	te	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimo	onv	5.00	U	5.00		ua/L		09/09/22 06:50	09/09/22 23:47	1

Client: South Carolina Public Service Authority Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Lab Sample ID: 680-220687-18 **Client Sample ID: AF36865** Date Collected: 06/23/22 13:27

Matrix: Water

Date Received: 09/07/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 23:50	1

Client: South Carolina Public Service Authority Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Lab Sample ID: 680-220687-19 Client Sample ID: AF36866 Date Collected: 06/23/22 12:15

Matrix: Water

Method: 6020B - Me	tals (ICP/MS) - Total F	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ua/L		09/09/22 06:50	09/09/22 22:26	1

Client: South Carolina Public Service Authority

Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Client Sample ID: AF36867 Lab Sample ID: 680-220687-20

Matrix: Water

Date Collected: 06/23/22 11:16 Date Received: 09/07/22 10:30

Method: 6020B - Metals (ICP/MS) - Total Recoverable										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 23:58	1	
Thallium	1.00	U	1.00		ug/L		09/09/22 06:50	09/09/22 23:58	1	

Client: South Carolina Public Service Authority

Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Client Sample ID: AF36868 Lab Sample ID: 680-220687-21

Date Collected: 06/23/22 10:05

Matrix: Water

Date Received: 09/07/22 10:30

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

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Antimony
 5.00
 U
 5.00
 ug/L
 09/09/22 06:54
 09/10/22 03:02
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Client: South Carolina Public Service Authority Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Client Sample ID: AF36869 Lab Sample ID: 680-220687-22 Date Collected: 06/22/22 15:40

Matrix: Water

Method: 6020B - Meta	Is (ICP/IVIS) - Total F	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ua/L		09/09/22 06:54	09/10/22 03:13	1

Client: South Carolina Public Service Authority

Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Client Sample ID: AF36870 Lab Sample ID: 680-220687-23

Matrix: Water

Date Collected: 06/22/22 15:45 Date Received: 09/07/22 10:30

Method: 6020B - Metal	s (ICP/MS) - Total F	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	II	5.00		ua/l		09/09/22 06:54	09/10/22 03:17	1

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Client: South Carolina Public Service Authority Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Lab Sample ID: 680-220687-24 Client Sample ID: AF36871 Date Collected: 06/22/22 14:45

Matrix: Water

Method: 6020B - Metal	s (ICP/MS) - Total F	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	II	5.00		ua/l		09/09/22 06:54	09/10/22 03:21	1

Client: South Carolina Public Service Authority Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Client Sample ID: AF36874 Lab Sample ID: 680-220687-25 Date Collected: 06/22/22 10:27

Matrix: Water

Date Received: 09/07/22 10:30

Method: 6020B - Metal	s (ICP/MS) - Total F	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	П	5.00		ua/I		09/09/22 06:54	09/10/22 03:24	1

Client: South Carolina Public Service Authority

Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Client Sample ID: AF36876 Lab Sample ID: 680-220687-26

Matrix: Water

Date Collected: 06/20/22 14:16 Date Received: 09/07/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:54	09/10/22 03:28	1

Client: South Carolina Public Service Authority Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Client Sample ID: AF36877 Lab Sample ID: 680-220687-27 Date Collected: 06/29/22 13:10

Matrix: Water

Date Received: 09/07/22 10:30

Method: 6020B - Metals (ICP/N	IS) - Total F	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Δntimony	5.00	II	5.00		ua/l		09/09/22 06:54	09/10/22 03:39	1

Client: South Carolina Public Service Authority

Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Client Sample ID: AF36878 Lab Sample ID: 680-220687-28

Date Collected: 06/30/22 10:33 Matrix: Water

Date Received: 09/07/22 10:30

Method: 6020B - Metals (ICP/MS	S) - Total F	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ua/L		09/09/22 06:54	09/10/22 03:43	1

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Client: South Carolina Public Service Authority Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Lab Sample ID: 680-220687-29 **Client Sample ID: AF36879** Date Collected: 06/30/22 09:30

Matrix: Water

Date Received: 09/07/22 10:30

Method: 6020B - Metals (ICP/	MS) - Total F	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:54	09/10/22 03:46	1
Thallium	1.00	U	1.00		ug/L		09/09/22 06:54	09/10/22 03:46	1
Arsenic	3.00	U	3.00		ug/L		09/09/22 06:54	09/10/22 03:46	1

Client: South Carolina Public Service Authority Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Lab Sample ID: 680-220687-30 **Client Sample ID: AF36880** Date Collected: 06/30/22 12:40

Matrix: Water

Date Received: 09/07/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:54	09/10/22 03:50	1

Client: South Carolina Public Service Authority Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Lab Sample ID: 680-220687-31 Client Sample ID: AF36881 Date Collected: 06/30/22 12:45

Matrix: Water

Date Received: 09/07/22 10:30

Method: 6020B - Metals (ICP/MS) - Total Recoverable Result Qualifier Analyte RL MDL Unit D **Prepared Analyzed Dil Fac** 5.00 U 09/09/22 06:54 09/10/22 03:54 Antimony 5.00 ug/L

Client: South Carolina Public Service Authority Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Lab Sample ID: 680-220687-32 Client Sample ID: AF36882 Date Collected: 06/30/22 14:06

Matrix: Water

Date Received: 09/07/22 10:30

Method: 6020B - Metals (ICP/M	S) - Total F	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	II	5.00		ua/I		09/09/22 06:54	09/10/22 03:57	1

Client: South Carolina Public Service Authority Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Lab Sample ID: 680-220687-33 **Client Sample ID: AF36883** Date Collected: 06/29/22 14:08

Matrix: Water

Date Received: 09/07/22 10:30

Method: 6020B - Metals (ICP/M	S) - Total F	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:54	09/10/22 04:01	1

Client: South Carolina Public Service Authority Job ID: 680-220687-1

Project/Site: 125915/JM02.08.G01.3/36500

Lab Sample ID: 680-220687-34 Client Sample ID: AF36884 Date Collected: 06/30/22 11:29

Matrix: Water

Date Received: 09/07/22 10:30

Method: 6020B - Metals (ICP/MS) - Total Recoverable Result Qualifier Analyte RL MDL Unit D **Prepared Analyzed Dil Fac** 5.00 U 09/09/22 06:54 09/10/22 04:05 Antimony 5.00 ug/L

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-739531/1-A

Matrix: Water

Analysis Batch: 739706

Client Sample ID: Method Blank Prep Type: Total Recoverable Prep Batch: 739531

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00	7.523.553	ug/L		09/09/22 06:50	09/09/22 22:18	1
Thallium	1.00	U	1.00		ug/L		09/09/22 06:50	09/09/22 22:18	1
Arsenic	3.00	U	3.00		ug/L		09/09/22 06:50	09/09/22 22:18	1

Lab Sample ID: LCS 680-739531/2-A

Matrix: Water

Analysis Batch: 739706

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 739531

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Antimony	50.0	52.22		ug/L		105	80 - 120
Thallium	50.0	52.29		ug/L		105	80 _ 120
Arsenic	100	106.7		ug/L		107	80 _ 120

Lab Sample ID: 680-220687-19 MS

Matrix: Water

Analysis Batch: 739706

Client Sample ID: AF36866 Prep Type: Total Recoverable

Prep Batch: 739531

	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Antimony	5.00	U	50.0	47.21	All the second districts the	ug/L	-	95	75 _ 125
Thallium	1.00	U	50.0	48.08		ug/L		96	75 - 125
Arsenic	3.00	U	100	97.53		ug/L		98	75 - 125

Lab Sample ID: 680-220687-19 MSD

Matrix: Water

Analysis Batch: 739706

Client Sample ID: AF36866 Prep Type: Total Recoverable Prep Batch: 739531

Arialy 313 Daton. 100100									11000	Acolli 1	00001
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	5.00	U	50.0	51.81		ug/L		104	75 - 125	9	20
Thallium	1.00	U	50.0	51.95		ug/L		104	75 - 125	8	20
Arsenic	3.00	U	100	107.0		ug/L		107	75 _ 125	9	20

Lab Sample ID: MB 680-739532/1-A

Matrix: Water

Analysis Batch: 739706

Client Sample ID: Method Blank Prep Type: Total Recoverable

Prep Batch: 739532

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:54	09/10/22 02:55	1
Thallium	1.00	U	1.00		ug/L		09/09/22 06:54	09/10/22 02:55	1
Arsenic	3.00	U	3.00		ug/L		09/09/22 06:54	09/10/22 02:55	1

Lab Sample ID: LCS 680-739532/2-A

Matrix: Water

Analysis Batch: 739706

Client Sample ID: Lab Control Sample Prep Type: Total Recoverable Prep Batch: 739532

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Antimony	50.0	43.66		ug/L		87	80 _ 120	Ξ
Thallium	50.0	43.55		ug/L		87	80 - 120	
Arsenic	£100	91.08		ug/L		91	80 - 120	

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Job ID: 680-220687-1

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.3/36500

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

Sample Sample

5.00 U

1.00 U

3.04

Result Qualifier

Lab Sample ID: 680-220687-21 MS

Matrix: Water

Analysis Batch: 739706

Client Sample ID: AF36868 Prep Type: Total Recoverable

Prep Batch: 739532

Sample	Sample	Spike	MS	MS				%Rec	
Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
5.00	U	50.0	42.93		ug/L		86	75 _ 125	
1.00	U	50.0	42.56		ug/L		85	75 - 125	
3.04		100	92.05		ug/L		89	75 _ 125	
	Result 5.00 1.00 3.04	Result Qualifier 5.00 U 1.00 U 3.04	5.00 U 50.0 1.00 U 50.0 3.04 100	Result Qualifier Added Result 5.00 U 50.0 42.93 1.00 U 50.0 42.56 3.04 100 92.05	Result Qualifier Added Result Qualifier 5.00 U 50.0 42.93 1.00 U 50.0 42.56 3.04 1.00 92.05	Result Qualifier Added Result Qualifier Unit 5.00 U 50.0 42.93 ug/L 1.00 U 50.0 42.56 ug/L 3.04 100 92.05 ug/L	Result Qualifier Added Result Qualifier Unit D 5.00 U 50.0 42.93 ug/L 1.00 U 50.0 42.56 ug/L 3.04 1.00 92.05 ug/L	Result Qualifier Added Result Qualifier Unit D %Rec 5.00 U 50.0 42.93 ug/L 86 1.00 U 50.0 42.56 ug/L 85 3.04 100 92.05 ug/L 89	Result Qualifier Added Result Qualifier Unit D %Rec Limits 5.00 U 50.0 42.93 ug/L 86 75.125 1.00 U 50.0 42.56 ug/L 85 75.125 3.04 100 92.05 ug/L 89 75.125

Spike

Added

50.0

50.0

100

MSD MSD

48.66

48.91

103.5

Result Qualifier

Unit

ug/L

ug/L

ug/L

Lab Sample ID: 680-220687-21 MSD

Matrix: Water

Analyte

Antimony

Thallium

Arsenic

Analysis Batch: 739706

Client Sample ID: AF36868 Prep Type: Total Recoverable

Prep Batch: 739532 %Rec RPD D %Rec Limits RPD Limit 75 - 125 20 97 13 97 75 _ 125 14 20

75 . 125

100

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QC Association Summary

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.3/36500

Metals

Prep Batch: 739531

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
680-220687-1	AF36905	Total Recoverable	Water	3005A	
680-220687-2	AF36906	Total Recoverable	Water	3005A	
680-220687-3	AF36907	Total Recoverable	Water	3005A	
680-220687-4	AF36908	Total Recoverable	Water	3005A	
680-220687-5	AF36886	Total Recoverable	Water	3005A	
680-220687-6	AF36887	Total Recoverable	Water	3005A	
680-220687-7	AF36888	Total Recoverable	Water	3005A	
680-220687-8	AF36889	Total Recoverable	Water	3005A	
680-220687-9	AF36890	Total Recoverable	Water	3005A	
680-220687-10	AF36891	Total Recoverable	Water	3005A	
680-220687-11	AF36892	Total Recoverable	Water	3005A	
680-220687-12	AF36893	Total Recoverable	Water	3005A	
680-220687-13	AF36901	Total Recoverable	Water	3005A	
680-220687-14	AF36903	Total Recoverable	Water	3005A	
680-220687-15	AF36861	Total Recoverable	Water	3005A	
680-220687-16	AF36863	Total Recoverable	Water	3005A	
680-220687-17	AF36864	Total Recoverable	Water	3005A	
680-220687-18	AF36865	Total Recoverable	Water	3005A	
680-220687-19	AF36866	Total Recoverable	Water	3005A	
680-220687-20	AF36867	Total Recoverable	Water	3005A	
MB 680-739531/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-739531/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-220687-19 MS	AF36866	Total Recoverable	Water	3005A	
680-220687-19 MSD	AF36866	Total Recoverable	Water	3005A	

Prep Batch: 739532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-220687-21	AF36868	Total Recoverable	Water	3005A	
680-220687-22	AF36869	Total Recoverable	Water	3005A	
680-220687-23	AF36870	Total Recoverable	Water	3005A	
680-220687-24	AF36871	Total Recoverable	Water	3005A	
680-220687-25	AF36874	Total Recoverable	Water	3005A	
680-220687-26	AF36876	Total Recoverable	Water	3005A	
680-220687-27	AF36877	Total Recoverable	Water	3005A	
680-220687-28	AF36878	Total Recoverable	Water	3005A	
680-220687-29	AF36879	Total Recoverable	Water	3005A	
680-220687-30	AF36880	Total Recoverable	Water	3005A	
680-220687-31	AF36881	Total Recoverable	Water	3005A	
880-220687-32	AF36882	Total Recoverable	Water	3005A	
680-220687-33	AF36883	Total Recoverable	Water	3005A	
680-220687-34	AF36884	Total Recoverable	Water	3005A	
MB 680-739532/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-739532/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-220687-21 MS	AF36868	Total Recoverable	Water	3005A	
680-220687-21 MSD	AF36868	Total Recoverable	Water	3005A	

Analysis Batch: 739706

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
680-220687-1	AF36905	Total Recoverable	Water	6020B	739531
680-220687-2	AF36906	Total Recoverable	Water	6020B	739531
680-220687-3	AF36907	Total Recoverable	Water	6020B	739531

Job ID: 680-220687-1

Metals (Continued)

Analysis Batch: 739706 (Continued)

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
680-220687-4	AF36908	Total Recoverable	Water	6020B	7 3 9 5 3 1
680-220687-5	AF36886	Total Recoverable	Water	6020B	739531
680-220687-6	AF36887	Total Recoverable	Water	6020B	739531
680-220687-7	AF36888	Total Recoverable	Water	6020B	739531
80-220687-8	AF36889	Total Recoverable	Water	6020B	739531
680-220687-9	AF36890	Total Recoverable	Water	6020B	739531
680-220687-10	AF36891	Total Recoverable	Water	6020B	739531
680-220687-11	AF36892	Total Recoverable	Water	6020B	7 3 9 5 3 1
680-220687-12	AF36893	Total Recoverable	Water	6020B	7 39531
880-220687-13	AF36901	Total Recoverable	Water	6020B	739531
880-220687-14	AF36903	Total Recoverable	Water	6020B	739531
880-220687-15	AF36861	Total Recoverable	Water	6020B	739531
680-220687-16	AF36863	Total Recoverable	Water	6020B	739531
880-220687-17	AF36864	Total Recoverable	Water	6020B	739531
680-220687-18	AF36865	Total Recoverable	Water	6020B	739531
680-220687-19	AF36866	Total Recoverable	Water	6020B	739531
880-220687-20	AF36867	Total Recoverable	Water	6020B	739531
80-220687-21	AF36868	Total Recoverable	Water	6020B	739532
880-220687-22	AF36869	Total Recoverable	Water	6020B	739532
880-220687-23	AF36870	Total Recoverable	Water	6020B	739532
880-220687-24	AF36871	Total Recoverable	Water	6020B	739532
880-220687-25	AF36874	Total Recoverable	Water	6020B	739532
880-220687-26	AF36876	Total Recoverable	Water	6020B	739532
880-220687-27	AF36877	Total Recoverable	Water	6020B	739532
680-220687-28	AF36878	Total Recoverable	Water	6020B	739532
880-220687-29	AF36879	Total Recoverable	Water	6020B	739532
880-220687-30	AF36880	Total Recoverable	Water	6020B	739532
680-220687-31	AF36881	Total Recoverable	Water	6020B	739532
80-220687-32	AF36882	Total Recoverable	Water	6020B	739532
880-220687-33	AF36883	Total Recoverable	Water	6020B	739532
680-220687-34	AF36884	Total Recoverable	Water	6020B	739532
MB 680-739531/1-A	Method Blank	Total Recoverable	Water	6020B	7.39531
MB 680-739532M-A	Method Blank	Total Recoverable	Water	6020B	739532
LCS 680-739531/2-A	Lab Control Sample	Total Recoverable	Water	6020B	739531
LCS 680-739532/2-A	Lab Control Sample	Total Recoverable	Water	6020B	739532
680-220687-19 MS	AF36866	Total Recoverable	Water	6020B	739531
880-220687-19 MSD	AF36866	Total Recoverable	Water	6020B	739531
680-220687-21 MS	AF36868	Total Recoverable	Water	6020B	739532
680-220687-21 MSD	AF36868	Total Recoverable	Water	6020B	739532

Client Sample ID: AF36905 Date Collected: 06/28/22 13:22 Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-1

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 22:40

Client Sample ID: AF36906

Date Collected: 06/28/22 14:41 Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-2

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 22:37

Client Sample ID: AF36907

Date Collected: 06/28/22 14:46 Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-3

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 22:44

Client Sample ID: AF36908

Date Collected: 06/28/22 10:50

Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-4

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 22:48

Client Sample ID: AF36886

Date Collected: 06/29/22 10:33

Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-5

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 22:51

Client Sample ID: AF36887

Date Collected: 06/29/22 11:40

Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-6

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 23:54

Client Sample ID: AF36888

Lab Sample ID: 680-220687-7

Matrix: Water

Date Collected: 06/21/22 10:04 Date Received: 09/07/22 10:30

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 23:02

Client Sample ID: AF36889

Lab Sample ID: 680-220687-8

Matrix: Water

Date Collected: 06/21/22 11:09 Date Received: 09/07/22 10:30

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 23:06

Client Sample ID: AF36890

Lab Sample ID: 680-220687-9

Date Collected: 06/21/22 11:14 Date Received: 09/07/22 10:30

Matrix: Water

Batch Batch			Dilution Batch			Prepared		
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 23:10

Client Sample ID: AF36891

Lab Sample ID: 680-220687-10

Matrix: Water

Date Collected: 06/21/22 12:31 Date Received: 09/07/22 10:30

	Batch	Batch	Batch	Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 23:14

Client Sample ID: AF36892

Lab Sample ID: 680-220687-11

Matrix: Water

Date Collected: 06/21/22 13:23 Date Received: 09/07/22 10:30

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 23:17

Client Sample ID: AF36893

Lab Sample ID: 680-220687-12

Matrix: Water

Date Collected: 06/21/22 14:23 Date Received: 09/07/22 10:30

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 23:21

Client Sample ID: AF36901 Date Collected: 06/20/22 15:31 Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-13

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 23:25

Client Sample ID: AF36903

Date Collected: 06/28/22 11:35 Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-14

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 23:28

Client Sample ID: AF36861

Date Collected: 06/22/22 12:53 Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-15

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		4	739706	BWR	EET SAV	09/09/22 23:32

Client Sample ID: AF36863

Date Collected: 06/23/22 16:08 Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-16

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 23:36

Client Sample ID: AF36864 Date Collected: 06/23/22 14:49

Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-17

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 23:47

Client Sample ID: AF36865

Lab Sample ID: 680-220687-18

Matrix: Water

Date Collected: 06/23/22 13:27 Date Received: 09/07/22 10:30

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 23:50

Job ID: 680-220687-1

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.3/36500

Client Sample ID: AF36866 Date Collected: 06/23/22 12:15

Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-19

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 22:26

Client Sample ID: AF36867 Lab Sample ID: 680-220687-20

Matrix: Water

Date Collected: 06/23/22 11:16 Date Received: 09/07/22 10:30

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 23:58

Client Sample ID: AF36868 Lab Sample ID: 680-220687-21

Matrix: Water

Date Collected: 06/23/22 10:05 Date Received: 09/07/22 10:30

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739532	RR	EET SAV	09/09/22 06:54
Total Recoverable	Analysis	6020B		1	739706	BWR:	EET SAV	09/10/22 03:02

Client Sample ID: AF36869 Lab Sample ID: 680-220687-22

Matrix: Water

Date Collected: 06/22/22 15:40 Date Received: 09/07/22 10:30

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739532	RR	EET SAV	09/09/22 06:54
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/10/22 03:13

Client Sample ID: AF36870 Lab Sample ID: 680-220687-23

Date Collected: 06/22/22 15:45

Matrix: Water

Date Received: 09/07/22 10:30

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739532	RR	EET SAV	09/09/22 06:54
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/10/22 03:17

Client Sample ID: AF36871 Lab Sample ID: 680-220687-24

Date Collected: 06/22/22 14:45 Matrix: Water
Date Received: 09/07/22 10:30

Batch Batch Dilution Batch Prepared Ргер Туре Туре Method Run Factor Number Analyst Lab or Analyzed Total Recoverable Prep 3005A 739532 RR EET SAV 09/09/22 06:54 Total Recoverable Analysis 6020B 739706 BWR EET SAV 09/10/22 03:21

Client Sample ID: AF36874 Date Collected: 06/22/22 10:27 Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-25

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739532	RR	EET SAV	09/09/22 06:54
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/10/22 03:24

Client Sample ID: AF36876

Date Collected: 06/20/22 14:16 Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-26

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739532	RR	EET SAV	09/09/22 06:54
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/10/22 03:28

Client Sample ID: AF36877

Date Collected: 06/29/22 13:10

Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-27

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739532	RR	EET SAV	09/09/22 06:54
Total Recoverable	Analysis	6020B		-1	739706	BWR	EET SAV	09/10/22 03:39

Client Sample ID: AF36878

Date Collected: 06/30/22 10:33

Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-28

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739532	RR	EET SAV	09/09/22 06:54
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/10/22 03:43

Client Sample ID: AF36879

Date Collected: 06/30/22 09:30

Date Received: 09/07/22 10:30

Lab	Sample	ID: 680-2	20687-29

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739532	RR	EET SAV	09/09/22 06:54
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/10/22 03:46

Client Sample ID: AF36880

Date Collected: 06/30/22 12:40

Date Received: 09/07/22 10:30

Lab Sa	ample	ID:	680-22	0687-30

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739532	RR	EET SAV	09/09/22 06:54
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/10/22 03:50

Eurofins Savannah

Matrix: Water

Job ID: 680-220687-1

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.3/86500

Client Sample ID: AF36881 Date Collected: 06/30/22 12:45 Date Received: 09/07/22 10:30 Lab Sample ID: 680-220687-31

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739532	RR	EET SAV	09/09/22 06:54
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/10/22 03:54

Client Sample ID: AF36882

Date Collected: 06/30/22 14:06 Date Received: 09/07/22 10:30 Lab Sample ID: 680-220687-32

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739532	RR	EET SAV	09/09/22 06:54
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/10/22 03:57

Client Sample ID: AF36883

Date Collected: 06/29/22 14:08

Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-33

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739532	RR	EET SAV	09/09/22 06:54
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/10/22 04:01

Client Sample ID: AF36884

Date Collected: 06/30/22 11:29 Date Received: 09/07/22 10:30 Lab Sample ID: 680-220687-34

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739532	RR	EET SAV	09/09/22 06:54
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/10/22 04:05

Laboratory References:

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

Chain of Custody



santee cooper

Custome	er Email	/Report Rec	ipient:	Date	Results Ne	eded b	y:		Pr	oject/	Task/	Unit #:	Rerun red	quest	for ar	y fla	ged QC
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Labwork (Internal only)		Sample Loc Description		Collection Date	Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass- G/Plastic-P)	Grab (G) or Composite (C)	Matrix(see below)	Preservative (see	Me Rej Mis An	Comments thod # porting limit sc. sample info y other notes		SP		
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							!				<u> </u>		Sample Receiving (Int	erdal U	lse On		
Relinqu	ished by:	Employe		Time	Receiv	ed by:		mployee		Date	-	Time	Sample Receiving (into	27	nitial		
Spro		35594		1500	on			TH		î. 7-:		1030	Correct pH: Yes	No			
Relinqu	ished by:	Employe	e# Date	Time	Receiv	ed by:	E	mployee	#	Date		Time	Preservative Lot#:	7.7.			
Relinqu	ished by:	Employe	e# Date	Time	Receiv	ed by:	E	mployee	#	Date		Time					
													Date/Time/Init for pr	eserva	tive:		
		ETALS (all) Nut	rients	MIS	c		Gv	psun	n		Coal	Flyash			Oil	
□Ag					DBTEX		ll c	Wallbo			∥ _n	Ultimate	☐ Ammonia			s. Oil	Ouel.
□ AI	□ Fe		DO	OC .	□ Napthale				sum(a	11		□ % Mois				Moist	
□ As	□ K		D TP	/TPO4	□ THM/H	1A		belo U Al				☐ Ash	□ % Carbon			dor ddiry	
□В	□Li		UF	IJ÷IN	□ Oil & Gi	ease		O TO	C			☐ Sulfur ☐ BTUs	☐ Mineral Analysi			lectric	Strength
□ Ba			□ Cl		☐ E. Coli ☐ Total Co	liform			al meta uble Mo			□ Volatile					i Gases
□ Be	O Mi		D NO	STATE OF THE PARTY	□pH □ Dissolve	á k.		□ Pur	ity (Cas	804)		☐ CHN ther Tests:	☐ % Moisture	٠ [d Oil	
□ Ca	□ Me		□ Br		□ Dissolve□ Dissolve			□ % l	Moistun fites	Q.		iner Tesis: XRF Scan	NPDES		. M	ishpoii etals in	oit
□ Cd	□ Na	ı □ Zn	D 80		☐ Rad 226			□pH				HG1	NFDES ☐ Oil & Grease		()	s,Cd,C	r,Ni,Pb
□С₀	□Ni	□He		***************************************	□ Rad 228 □ PCB				lorides ticle Siz	:e		Fineness Particulate M			. H		

□ Co

□ Cr

□Nì

□Pb

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□ CrVI

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Cust	omer	Email,	/Repo	rt Recipie	ent:	Date F	Results Ne	edec	d by:			ı	Proj	ject/	Task/	Unit #:		Rerun re	equest 1	for a	ny fla	gged	l QC
LC	wiu	1A	@	Psanteec	ooper.com	-	<i></i>		_		125	3915	ارځ	σīν	102.	08.6x1.3	36	500	Yes	No			
																				1	Analysi	is Gro	up
2014-610	works I ernal us)	200 100		ole Locatio ription	n/	Collection Date	Collection Time	Sample Collector		Total # of containers	Bottle type: (Glass- G/Plastic-P)	Grab (G) or	Composite (C)	Watrix(see below)	Preservative (see	Me Rep Mi Any	Co thod # porting 1 sc. samp y other r	le info		S.			
AF	368	86	Č	-MLF-	- ID	6/29	1033	DEM	N IL	١	Þ	G		Gw	2	6020	17 L= 5	5 PPB		X			
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		92		1	†		323																
	_	93		<u> </u>	_	1	1423																
\t	369	اه	P	M-1		6/20	1531																
	ı	03	Pt	oz- 4		6/28	1135	1			1	1		1	1								
	01-1		-1-				Receiv							Date		Time		ple Recelving (In		se Oi	ıly)		
	linguish			mployee#	Date	Time	S /A	ea by:			nployee TV		10	7.2		103 a	TEN	AP (°C):]	nitia	l:	·	
	grow linguist			5594 mployee#	9/6/22 Date	1500 Time	Receiv	ed by:	·	En	nployee	-	Sys.	Date		703 -	Cor	rect pH: Yes	No				
+01 III	tono (Bostono		+				Construction Const			+				100 A 100			Pres	ervative Lot#:					
Re	linquish	ned by:	E	mployee#	Date	Time	Receiv	ed by:	1	En	nployee	2#		Date		Time							
											and the second						Date	:/Time/Init for p	preserva	tive:			
		□ ME	TAL	S (all)	Nut	rients	MISC.		Gı	/psu	ım			Coal		Flyash			Oi	1			
DA		□ Cu	Agreement to the same	Z Sb	OT E		D BTEX			О	Wallb				lα	Ultimate		□ Ammonia		Tri	ns. Oi	8000000	l,
D A		□ Fe		□ Se □ Sn	D DC		☐ Napthale ☐ THM/H.		0		Gyp belo	osum wi	(all			□ % Mois	ture	□ LOI		in t	%Meis 'olor		
□В		OLi		□ Sr	I I I I I	/TPO4 13-N	D VOC				ΠA	IM.				☐ Ash ☐ Sulfur		☐ % Carbon ☐ Mineral	, [17.7	cidity		
□В				□ Ti	OF.		□ Oil & G	rease			□ T0 □ T0	DC stal me	etals			□ BTUs	114.7	Amily	sis)			
□В		□ Mı			O CI)2	□ Total Co □ pH	liform	ı į		□ So	luble	Meta	ils		☐ Volatile☐ CHN	Matter	☐ Sieve ☐ % Moistu	re		dissolv ed Ol		ses
ОС	and the same of		and the second	□ V	□ Br		☐ Dissolve				0%	uity (C Moist		/+)		ther Tests:	a description			- e t	lashpo	int	
00		D No		П 7 п	□ NC)3	☐ Dissolve		200		□ Su	lfites				XRF Scan		NPDES			Actals As Ch		PЬ

☐ Sulfur

☐ Rad 228

□ PCB

☐ Chlorides
☐ Particle Size

☐ Fineness

☐ Particulate Matter

□ As □ TSS

TX GOFER



santee cooper*

Santee Cooper One Riverwood Drive Moneks Corner, SC 29461 Phone (843)761-8000 Ext. 5148 Fax. (843)761-4175

Cust	tomer	Email	/Re	port Recipie	nt:	Date I	Results Ne	eded b	y:		Pr	oject/	Task/l	Unit #:	Rerun re	equest for	any	flag	ged QC
L	CWILL	J.Fr		_@santeec	ooper.com		JJ.			125	915	Jom	02.0	8.G&1.3	3/ 36500	Yes N	0		
																	Ana	lysis	Group
	works II ernal us I)			mple Location	n/	Collection Date	Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass- G/Plastic-P)	Grab (G) or Composite (C)	Matrix(see below)	Preservative (see	Met Rep Mis Any	Comments thod # orting limit c. sample info other notes	i	No.		
A-F	368	61	C,	AP - &		6/22	1253	ML	l	P	G	GW	2	6020	RL= 5 PPB	,	4		
	(63		3		6/23	1608	7								١			
		64		4			1449	DEW											
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<u> </u>	3	71	1	(0			1445	1	1	1	<u> </u>		1			_			
Re	elinquish	red by:		Employee#	Date	Time	Receiv	ed by:	E	mployee	#	Date		Time	Sample Receiving (in TEMP (°C):		Only,)	
891	Zow	n		35594	9/6/22	1500	De	_	7	TA	6	9-7-1	22	1030					
	linguish			Employee#	Date	Time	Receiv	ed by:	E	mployee	#	Date		Time	Correct pH: Yes	No			
	800000000000000000000000000000000000000			8 301											Preservative Lot#:				
Re	linguish	ed by:		Employee#	Date	Time	Receiv	ed by:	E	mployee	#	Date		Time					
															Date/Time/init for p	reservativ	e:		
		□ME	CT/	ALS (all)	Nut	rients	MI	SC.		Gv	psur	n		Coal	Flyash			Oil	
□ A		□ Ct		Ø Sb 	□ то		D BTEX		ı o	Wallbo				Ultimate	☐ Ammonia		Frans	on (Qual,
A.C.		□Fe	-	□ Sn	D DO		☐ Napthalt ☐ THM/H.			Gyp belo	sum(a	Ц		☐ % Moist	ture DLO1		%N Cole	loistu	re
-					UNH	TPO4	□ VOC							☐ Ash ☐ Sulfur	☐ % Carbon ☐ Mineral	١.,	Aci	lity	
□ B		□Li	SCALL STATE	□ Sr	UF		□ Oil & Gi □ E, Coli	rease		D TO	C al meta	le.		□ BTUs	Analy	sis	Diek IFT	erric S	trength
D B				D Ti	CI		□ Total Co	liform		🛭 Sol	uble M	etals		□ Volatile	Matter Sieve		Diss		Gases
				D TI	□ NO		□ pH □ Dissolve	d As			ity (Ca Moistur		1	☐ CHN ther Tests:	□ % Moistu	re	Used Flos	Oil hpoin	1
ОС		DΜ		D V	DNO	3	□ Dissolve	d Fe		D Sul	fites	•	0.	XRF Scan	NPDES		Met	ils in	oil
υС		□Na	- 0000	□ Za	□ SO	4	☐ Rad 226 ☐ Rad 228			O pH	orides			HGI Fineness	□ Oil & Grea		(As Hg)		r,Ni,Pb
D C	-	□Nı		□Hg			□ PCB			□ Par	tiele Si	ze	01	Particulate Ma	atter D As		TX		
ΩС	r	□ Pb		□ CrVI			-		لالا	3 Sulfur					11192	1.0	GOFE	iK.	

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Santee Cooper One Riverwood Drive Moneks Corner SC 29461 Phone (843)761-8000 Ext, 5148 Fax. (843)761-4175

Customer Email/Report Recipient: Project/Task/Unit #: Date Results Needed by: Rerun request for any flagged QC 125915 / JM02.08.681.3 / 36500 LCWILLIA @santeecooper.com Yes No **Analysis Group** Labworks ID # Sample Location/ Comments Matrix(see below) **Collection Date** Collection Time (Internal use Description Method # Sample Collector Bottle type: (Glas G/Plastic-P) Total # of contail Reporting limit only) Grab (G) or Composite (C) Misc. sample info Any other notes S DEN 6/22 GW 2 X 1027 ML P G AF36874 CAP-13 6020 PL=5+PB 6/20 1416 76 CBW-1 77 CCMAP-1 6/29 1310 6/30 78 1033 -2 3 79 0930 4 80 1240 81 4 DUP 1245 82 5 1406 6/29 6 1408 83 7 6/30 1129 84 Sample Receiving (Internal Use Only) Relinguished by: Received by: Date Time Employee# Date Time Employee# TEMP (°C): Initial: In 9-7-22 M 1030 89m wan 9/6/22 35594 1500 Correct pH: Yes No Relinquished by: Employee# Date Time Received by: Employee# Date Time Preservative Lot#: Relinquished by: Employee# Date Received by: Employee# Date Time Date/Time/Init for preservative: ☐ METALS (all) MISC. **Nutrients** Gypsum Coal Oil Flyash □ Ag Ø Sb '□ Se □ Cu □ TOC □ BTEX □ Wallboard □ Ultimate Trans. Oll Qual. ☐ Ammonia □ Fe Gypsum(all %Moisture □ Napthalene □ DOC ☐ % Moisture DLOI □ Sn ☐ THM/HAA Calor □ As $\Box K$ □ TP/TPO4 below) □ Ash ☐ % Carbon Acidity DVOC O AIM □ NH3-N □ Sulfur ☐ Mineral □ Sr \Box B □ Li Dielectric Strength ☐ Oil & Grease DITOC ШF ☐ BTUs Analysis DE. Coli (i) Total inetals □ Ba □Mg ΠTi □ Cl ☐ Total Coliform ☐ Volatile Matter ☐ Sieve Dissolved Gases ☐ Soluble Metals □Ве □ Mn D NO2 □ CHN ☐ % Moisture Used Oil □pH □ Purity (CaSO4) ☐ Dissolved As Flashpoint Metals in oil (As, Ed, Cr, Ni, Pb Other Tests: □ Br □ % Moisture □ Ca $\square V$ □Мо □ NO3 □ Dissolved Fe ☐ Sulfites ☐ XRF Scan NPDES □ Cd □ Na □ Zn ☐ Rad 226 Hq O □ HGI □ SO4 □ Oil & Grease Hg) □ Rad 228 ☐ Chlorides ☐ Fineness □Hg □Со □Ni U As □ PCB ☐ Particulate Matter D Partiele Size O TSS GOFER □ Cr □Pb ☐ CrVI □ Sulfur

Login Sample Receipt Checklist

Client: South Carolina Public Service Authority

Job Number: 680-220687-1

Login Number: 220687 List Source: Eurofins Savannah

List Number: 1

Creator: Sims. Robert D

Creator: Sims, Robert D		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
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.	False	Thermal preservation not required.
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	
s 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.	N/A	
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	

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Accreditation/Certification Summary

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

Laboratory: Eurofins Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
South Carolina	State	98001	06-30-22 *

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5

10

10

13

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 $^{{}^{\}star} \ {\sf Accreditation/Certification\ renewal\ pending\ -\ accreditation/certification\ considered\ valid}.$











P 843.556.8171 F 843.766.1178

PO Box 30712 Charleston, SC 29417 2040 Savage Road Charleston, SC 29407

gel.com

November 07, 2022

Ms. Jeanette Gilmetti Santee Cooper P.O. Box 2946101 OCO3 Moncks Corner, South Carolina 29461

Re: ABS Lab Analytical Work Order: 598717

Dear Ms. Gilmetti:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on October 28, 2022. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4289.

Sincerely,

Heather Millar for Julie Robinson Project Manager

Purchase Order: 398684

Enclosures



2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report for

SOOP001 Santee Cooper

Client SDG: 598717 GEL Work Order: 598717

The Qualifiers in this report are defined as follows:

- * A quality control analyte recovery is outside of specified acceptance criteria
- ** Analyte is a Tracer compound
- ** Analyte is a surrogate compound
- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Julie Robinson.

Reviewed by

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: November 7, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47633 Sample ID: 598717001

Matrix: GW

Collect Date: 25-OCT-22 09:27
Receive Date: 28-OCT-22
Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Propor	rtional Counting										
GFPC, Ra228, Liquio	d "As Received"										
Radium-228		2.16	+/-1.22	1.84	3.00	pCi/L		JE1	11/04/22	1016 2335631	1
Radium-226+Radium	n-228 Calculatio	n "See Pa	arent Products"								
Radium-226+228 Sum		2.90	+/-1.26			pCi/L		NXL1	11/07/22	1238 2335629	2
Rad Radium-226											
Lucas Cell, Ra226, L	iquid "As Recei	ved"									
Radium-226	•	0.738	+/-0.348	0.371	1.00	pCi/L		LXP1	11/06/22	0725 2335609	3
The following Analy	tical Methods w	ere perfo	ormed:								
Method	Description						A nalw	et Comment	c		*

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	·
2	Calculation	
3	FPA 903 1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			91	(15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 3 of 35 SDG: 598717

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: November 7, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47632 Sample ID: 598717002

Matrix: GW

Collect Date: 25-OCT-22 10:34 Receive Date: 28-OCT-22 Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proportio	nal Counting	0									
GFPC, Ra228, Liquid "A	As Received"										
Radium-228	U	1.88	+/-1.26	1.97	3.00	pCi/L		JE1	11/04/22	1016 2335631	1
Radium-226+Radium-22	28 Calculatio	n "See Pa	rent Products"								
Radium-226+228 Sum		2.51	+/-1.30			pCi/L		NXL1	11/07/22	1238 2335629	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	id "As Recei	ved"									
Radium-226		0.630	+/-0.337	0.438	1.00	pCi/L		LXP1	11/06/22	0725 2335609	3
The following Analytica	al Methods w	ere perfoi	rmed:								

EPA 904.0/SW846 9320 Modified

Calculation EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result **Nominal** Recovery% Acceptable Limits Barium-133 Tracer GFPC, Ra228, Liquid "As Received" (15%-125%)

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows: DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor

RL: Reporting Limit MDA: Minimum Detectable Activity MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 4 of 35 SDG: 598717

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Analyst Comments

Report Date: November 7, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO₃

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47651 Sample ID: 598717003

Matrix: GW

Collect Date: 25-OCT-22 11:40 Receive Date: 28-OCT-22 Client Collector:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting	5									
GFPC, Ra228, Liquid ".	As Received"										
Radium-228		4.02	+/-1.51	2.09	3.00	pCi/L		JE1	11/04/22	1016 2335631	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"								
Radium-226+228 Sum		6.17	+/-1.61			pCi/L		NXL1	11/07/22	1238 2335629	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"									
Radium-226		2.15	+/-0.554	0.407	1.00	pCi/L		LXP1	11/06/22	0725 2335609	3
The following Analytic	al Methods w	ere perfo	rmed.								

Description

1	EPA 904.0/SW846 9320 Modified		•		
2	Calculation				
3	EPA 903.1 Modified				
Surrogate/Tracer Recove	ery Test	Result	Nominal	Recovery%	Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 82.3 (15%-125%)

Method

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor MDA: Minimum Detectable Activity RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 5 of 35 SDG: 598717

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Analyst Comments

Report Date: November 7, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO₃

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47650 Sample ID: 598717004

Matrix: GW

Collect Date: 25-OCT-22 12:46 Receive Date: 28-OCT-22 Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting	5									
GFPC, Ra228, Liquid "	As Received"										
Radium-228		3.03	+/-1.68	2.59	3.00	pCi/L		JE1	11/04/22	1016 2335631	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"								
Radium-226+228 Sum		3.77	+/-1.73			pCi/L		NXL1	11/07/22	1238 2335629	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"									
Radium-226		0.738	+/-0.405	0.542	1.00	pCi/L		LXP1	11/06/22	0725 2335609	3
The following Analytic	al Methods w	ere perfo	rmed:								

Description

2	Calculation				
3	EPA 903.1 Modified				
Surrogate/Tracer Recove	ery Test	Result	Nominal	Recovery%	Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 78.8 (15% - 125%)

Method

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor MDA: Minimum Detectable Activity RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 6 of 35 SDG: 598717

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: November 7, 2022

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Desult Ilmontointe

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47649 Sample ID: 598717005

Matrix: GW

Collect Date: 25-OCT-22 14:11
Receive Date: 28-OCT-22
Collector: Client

Onalifian

F47649 Project: SOOP00119 8717005 Client ID: SOOP001

Linita

Parameter	Qualifier	Result	Uncertainty	MDC	KL	Umits	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proportio	nal Counting										
GFPC, Ra228, Liquid "A	As Received"										
Radium-228		6.11	+/-1.69	2.15	3.00	pCi/L		JE1	11/07/22	0917 2335631	1
Radium-226+Radium-22	28 Calculation	n "See Pa	rent Products"								
Radium-226+228 Sum		6.68	+/-1.72			pCi/L		NXL1	11/07/22	1238 2335629	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	iid "As Receiv	ved"									
Radium-226		0.568	+/-0.305	0.368	1.00	pCi/L		LXP1	11/06/22	0725 2335609	3
The following Analytic	al Methods w	ere perfo	rmed:								
Method	Description				•	A	Analys	st Comment	S		

MDC

2	Calculation				
3	EPA 903.1 Modified				
Surrogate/Tracer Recove	ery Test	Result	Nominal	Recoverv%	Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 84.4 (15%-125%)

Notes:

Doromatar

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: November 7, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO₃

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47647 Sample ID: 598717006

Matrix: GW

Collect Date: Receive Date: 28-OCT-22 Client Collector:

25-OCT-22 15:16

Project:

Client ID:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Umts	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proportional Counting											
GFPC, Ra228, Liquid ".	As Received"										
Radium-228		4.41	+/-2.08	2.96	3.00	pCi/L		JE1	11/04/22	1405 2335631	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	rent Products"								
Radium-226+228 Sum		5.12	+/-2.11			pCi/L		NXL1	11/07/22	1238 2335629	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"									
Radium-226		0.708	+/-0.355	0.458	1.00	pCi/L		LXP1	11/06/22	0725 2335609	3
The following Analytic	al Methods w	ere perfo	rmed:								
Method	Description		·			A	Analys	st Comment	S		

2 Calculation EPA 903.1 Modified Surrogate/Tracer Recovery Test Result **Nominal** Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 75.2 (15%-125%)

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor MDA: Minimum Detectable Activity **RL**: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Project:

Client ID:

Report Date: November 7, 2022

LXP1 11/06/22 0725 2335609

3

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47648 Sample ID: 598717007

Matrix: GW

Collect Date: 25-OCT-22 15:21
Receive Date: 28-OCT-22
Collector: Client

MDC RL Units Parameter Qualifier Result Uncertainty PF DF Analyst Date Time Batch Method Rad Gas Flow Proportional Counting GFPC, Ra228, Liquid "As Received" Radium-228 3.69 +/-1.59 2.32 3.00 pCi/L JE1 11/04/22 1017 2335631 Radium-226+Radium-228 Calculation "See Parent Products" Radium-226+228 Sum +/-1.63 NXL1 11/07/22 1238 2335629 pCi/L Rad Radium-226 Lucas Cell, Ra226, Liquid "As Received"

1.00

pCi/L

Analyst Comments

The following Analytical Methods were performed:

Description

1 EPA 904.0/SW846 9320 Modified
2 Calculation
3 EPA 903.1 Modified

+/-0.368

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

81.8 (15%-125%)

0.478

Notes:

Radium-226

Method

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

0.665

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Report Date: November 7, 2022

DF Analyst Date Time Batch Method

SOOP00119

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47652 Sample ID: 598717008

Matrix: GW

Collect Date: 26-OCT-22 09:24
Receive Date: 28-OCT-22
Collector: Client

Oualifier

598717008 Client ID: SOOP001 GW

RL

Project:

PF

Units

							Appendix and a second s			
Rad Gas Flow Propo	ortional Counting	, , , , , , , , , , , , , , , , , , ,								
GFPC, Ra228, Liqui	d "As Received"									
Radium-228		4.67	+/-1.48	1.87	3.00	pCi/L	JE1	11/07/22	0917 2335631	1
Radium-226+Radium	n-228 Calculatio	n "See Pare	ent Products"							
Radium-226+228 Sum		6.04	+/-1.54			pCi/L	NXL1	11/07/22	1238 2335629	2
Rad Radium-226										
Lucas Cell, Ra226, I	iquid "As Recei	ved"								
Radium-226	_	1.38	+/-0.421	0.405	1.00	pCi/L	LXP1	11/06/22	0725 2335609	3
The following Analy	ytical Methods w	ere perforn	ned:							
Method	Description	1				Anal	vst Comment	S		
1	EPA 904.0/SW	/846 9320 Mo	dified			•				

MDC

1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Result Uncertainty

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 83.1 (15%-125%)

Notes:

Parameter

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: November 7, 2022

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47646 Sample ID: 598717009

Matrix: GW

Collect Date: 26-OCT-22 10:30
Receive Date: 28-OCT-22
Collector: Client

Project: SOOP00119 Client ID: SOOP001

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analyst Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting									
GFPC, Ra228, Liquid "	As Received"									
Radium-228		2.13	+/-1.17	1.74	3.00	pCi/L		JE1 11/04/22	1017 2335631	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"							
Radium-226+228 Sum		3.53	+/-1.25			pCi/L		NXL1 11/07/22	1238 2335629	2
Rad Radium-226										
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"								
Radium-226		1.40	+/-0.452	0.368	1.00	pCi/L		LXP1 11/06/22	0756 2335609	3
The following Analytic	cal Methods w	ere perfo	ormed:							
Method	Description						Analys	st Comments		

Surrogate/Tracer Recove	ery Test	Result	Nominal	Recovery%	Acceptable Limits
3	EPA 903.1 Modified				
2	Calculation				
1	EPA 904.0/SW846 9320 Modified				

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 84 (15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Project:

Client ID:

Analyst Comments

Report Date: November 7, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO₃

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47621 Sample ID: 598717010

Matrix: GW

Collect Date: 26-OCT-22 11:47 Receive Date: 28-OCT-22 Client Collector:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Anal	yst Date	Time Batch	Method
Rad Gas Flow Proporti	onal Counting	,									
GFPC, Ra228, Liquid '	'As Received'	•									
Radium-228		2.62	+/-1.56	2.42	3.00	pCi/L		JE1	11/04/22	1017 2335631	1
Radium-226+Radium-2	228 Calculation	n "See Pa	arent Products"								
Radium-226+228 Sum		3.01	+/-1.57			pCi/L		NXL1	11/07/22	1238 2335629	2
Rad Radium-226											
Lucas Cell, Ra226, Liq	uid "As Recei	ived"									
Radium-226	•	0.391	+/-0.219	0.214	1.00	pCi/L		LXP1	11/06/22	0756 2335609	3
The following Analytic	cal Methods w	vere perfo	rmed:								

Description

2	Calculation				
3	EPA 903.1 Modified				
Surrogate/Tracer Recove	ery Test	Result	Nominal	Recovery%	Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 82.9 (15% - 125%)

Method

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor MDA: Minimum Detectable Activity RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Project:

Client ID:

Analyst Comments

Report Date: November 7, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO₃

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47630 Sample ID: 598717011

Matrix: GW

Collect Date: 26-OCT-22 12:58 Receive Date: 28-OCT-22 Client Collector:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting	5									
GFPC, Ra228, Liquid ".	As Received"										
Radium-228	U	2.19	+/-1.76	2.86	3.00	pCi/L		JE1	11/04/22	1403 2335632	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	rent Products"								
Radium-226+228 Sum		3.09	+/-1.79			pCi/L		NXL1	11/07/22	1237 2335630	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"									
Radium-226		0.898	+/-0.350	0.365	1.00	pCi/L		LXP1	11/06/22	0756 2335610	3
The following Analytic	al Methods w	ere perfo	rmed:								

Description

2	Calculation				
3	EPA 903.1 Modified				
Surrogate/Tracer Recove	ery Test	Result	Nominal	Recovery%	Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 82.6 (15% - 125%)

Method

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor MDA: Minimum Detectable Activity RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: November 7, 2022

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47628 Sample ID: 598717012

Matrix: GW

Collect Date: 26-OCT-22 14:05
Receive Date: 28-OCT-22
Collector: Client

F47628 Project: SOOP00119 8717012 Client ID: SOOP001

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Propo	rtional Counting	5									
GFPC, Ra228, Liqui	d "As Received"										
Radium-228		4.81	+/-1.65	2.05	3.00	pCi/L		JE1	11/04/22	1403 2335632	1
Radium-226+Radiur	n-228 Calculatio	n "See Pa	arent Products"								
Radium-226+228 Sum		5.64	+/-1.69			pCi/L		NXL1	11/07/22	1237 2335630	2
Rad Radium-226											
Lucas Cell, Ra226, I	Liquid "As Recei	ved"									
Radium-226		0.832	+/-0.375	0.409	1.00	pCi/L		LXP1	11/06/22	0830 2335610	3
The following Analy	ytical Methods w	ere perfo	ormed:								
Method	Description	9				I	Analys	st Comment	S		

			1 111111	******	
1	EPA 904.0/SW846 9320 Modified		•		
2	Calculation				
3	EPA 903.1 Modified				
Surrogate	e/Tracer Recovery Test	Result	Nominal	Recovery%	Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 81.8 (15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: November 7, 2022

DF Analyst Date Time Batch Method

SOOP00119

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Result Uncertainty

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47629 Sample ID: 598717013

Matrix: GW

Collect Date: 26-OCT-22 14:10
Receive Date: 28-OCT-22
Collector: Client

Qualifier

Calculation

717013 Client ID: SOOP001

RL

Project:

PF

Units

Rad Gas Flow Proportion	onal Counting								
GFPC, Ra228, Liquid "	'As Received"								
Radium-228	4.75	+/-1.55	2.02	3.00	pCi/L	JE1	11/04/22	1134 2335632	1
Radium-226+Radium-2	228 Calculation "See Par	ent Products"							
Radium-226+228 Sum	5.27	+/-1.58			pCi/L	NXL1	11/07/22	1237 2335630	2
Rad Radium-226									
Lucas Cell, Ra226, Liq	uid "As Received"								
Radium-226	0.518	+/-0.287	0.354	1.00	pCi/L	LXP1	11/06/22	0830 2335610	3
The following Analytic	cal Methods were perfor	med:							
Method	Description				Anal	yst Comment	S		
1	EPA 904.0/SW846 9320 M	odified							

MDC

3 EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 83.5 (15%-125%)

Notes:

2

Parameter

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Project:

Client ID:

Report Date: November 7, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47627 Sample ID: 598717014

Matrix: GW

Collect Date: 26-OCT-22 15:32
Receive Date: 28-OCT-22
Collector: Client

December 1	0 1:0	D 1:	TT) (D)C	DI	TTotal	DE	DE A 1	. D	E' D 1	3.611
Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analys	st Date	Time Batch	Method
Rad Gas Flow Propo	rtional Counting										
GFPC, Ra228, Liquie	d "As Received"										
Radium-228		2.74	+/-1.32	1.93	3.00	pCi/L		JE1	11/04/22	1134 2335632	1
Radium-226+Radiun	n-228 Calculation	"See Pa	arent Products"								
Radium-226+228 Sum		3.76	+/-1.37			pCi/L		NXL1	11/07/22	1237 2335630	2
Rad Radium-226											
Lucas Cell, Ra226, L	iquid "As Receive	ed"									
Radium-226	_	1.02	+/-0.366	0.245	1.00	pCi/L		LXP1	11/06/22	0830 2335610	3
The following Analy	tical Methods we	re perfo	ormed:								
Method	Description					,	A nalve	st Comments			

ivietnou	EDA 004 0/GW046 0220 M 11'C 1	7 mary st Comments
Method	Description	Analyst Comment

EPA 904.0/SW846 9320 Modified
Calculation

3 EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			88.4	(15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: November 7, 2022

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47626 Sample ID:

Matrix: GW

Collect Date: 27-OCT-22 09:41 Receive Date: 28-OCT-22 Client Collector:

Project: SOOP00119 598717015 Client ID: SOOP001

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proportional Counting											
GFPC, Ra228, Liquio	d "As Received"										
Radium-228		4.92	+/-1.69	2.35	3.00	pCi/L		JE1	11/04/22	1134 2335632	1
Radium-226+Radium	n-228 Calculatio	n "See Pa	arent Products"								
Radium-226+228 Sum		6.18	+/-1.74			pCi/L		NXL1	11/07/22	1237 2335630	2
Rad Radium-226											
Lucas Cell, Ra226, L	iquid "As Recei	ved"									
Radium-226		1.26	+/-0.423	0.319	1.00	pCi/L		LXP1	11/06/22	0830 2335610	3
The following Analy	tical Methods w	ere perfo	ormed:								
Method	Description						Analys	st Comment	c		

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	•
2	Calculation	
3	EPA 903.1 Modified	

Surrogate/Tracer Recovery Test Result **Nominal** Recovery% Acceptable Limits Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 85.8 (15%-125%)

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor RL: Reporting Limit MDA: Minimum Detectable Activity

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Analyst Comments

Report Date: November 7, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47625 Sample ID: 598717016

Matrix: GW

Collect Date: 27-OCT-22 11:01
Receive Date: 28-OCT-22
Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proport	ional Counting	3									
GFPC, Ra228, Liquid	"As Received'	•									
Radium-228		2.32	+/-1.27	1.88	3.00	pCi/L		JE1	11/04/22	1134 2335632	1
Radium-226+Radium-	228 Calculation	on "See Par	rent Products"								
Radium-226+228 Sum		3.90	+/-1.33			pCi/L		NXL1	11/07/22	1237 2335630	2
Rad Radium-226											
Lucas Cell, Ra226, Lie	quid "As Recei	ived"									
Radium-226	-	1.58	+/-0.422	0.217	1.00	pCi/L		LXP1	11/06/22	0830 2335610	3
The following Analyt	ical Methods v	vere perfoi	rmed·								

The following Analytical Methods were performed:

Description

2	Calculation				
3	EPA 903.1 Modified				
Surrogate/Tracer	Recovery Test	Result	Nominal	Recovery%	Acceptable Limits

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limit Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 81.8 (15%-125%)

Notes:

Method

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level
DL: Detection Limit PF: Prep Factor
MDA: Minimum Detectable Activity RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Project:

Client ID:

Analyst Comments

Certificate of Analysis

Report Date: November 7, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47624 Sample ID: 598717017

Matrix: GW

Collect Date: 27-OCT-22 12:15
Receive Date: 28-OCT-22
Collector: Client

MDC RL Units Parameter Qualifier Result Uncertainty PF DF Analyst Date Time Batch Method Rad Gas Flow Proportional Counting GFPC, Ra228, Liquid "As Received" Radium-228 12.9 +/-1.93 1.55 3.00 pCi/L JE1 11/07/22 0919 2335632 Radium-226+Radium-228 Calculation "See Parent Products" Radium-226+228 Sum +/-2.11NXL1 11/07/22 1237 2335630 pCi/L 2 Rad Radium-226 Lucas Cell, Ra226, Liquid "As Received" Radium-226 +/-0.8370.305 1.00 pCi/L LXP1 11/06/22 0830 2335610 3

The following Analytical Methods were performed:

Description

2 Calculation
3 EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 88.3 (15%-125%)

Notes:

Method

1

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Project:

Client ID:

Analyst Comments

Report Date: November 7, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47623 Sample ID: 598717018

Matrix: GW

Collect Date: 27-OCT-22 13:24
Receive Date: 28-OCT-22
Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proportional Counting											
GFPC, Ra228, Liquid ".	As Received"										
Radium-228		1.92	+/-1.23	1.88	3.00	pCi/L		JE1	11/04/22	1135 2335632	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	rent Products"								
Radium-226+228 Sum		2.56	+/-1.27			pCi/L		NXL1	11/07/22	1237 2335630	2
Rad Radium-226											
Lucas Cell, Ra226, Liquid "As Received"											
Radium-226		0.641	+/-0.344	0.430	1.00	pCi/L		LXP1	11/06/22	0830 2335610	3

The following Analytical Methods were performed:

Description

2	Calculation				
3	EPA 903.1 Modified				
Surrogat	te/Tracer Recovery Test	Result	Nominal	Recoverv%	Acceptable Limits

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limited Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 81.3 (15%-125%)

Notes

Method

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level
DL: Detection Limit PF: Prep Factor
MDA: Minimum Detectable Activity RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Project:

Client ID:

Certificate of Analysis

Report Date: November 7, 2022

LXP1 11/06/22 0830 2335610

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

+/-0.335

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47622 Sample ID: 598717019

Matrix: GW

Collect Date: 27-OCT-22 14:46
Receive Date: 28-OCT-22
Collector: Client

MDC RL Parameter Qualifier Result Uncertainty Units PF DF Analyst Date Time Batch Method Rad Gas Flow Proportional Counting GFPC, Ra228, Liquid "As Received" Radium-228 +/-1.34 2.16 3.00 pCi/L JE1 11/04/22 1404 2335632 Radium-226+Radium-228 Calculation "See Parent Products" Radium-226+228 Sum +/-1.38NXL1 11/07/22 1237 2335630 pCi/L Rad Radium-226 Lucas Cell, Ra226, Liquid "As Received"

1.00

pCi/L

Analyst Comments

The following Analytical Methods were performed:

Description

Michiga	Description		Analyst Co.	minemes	
1	EPA 904.0/SW846 9320 Modified		•		
2	Calculation				
3	EPA 903.1 Modified				
C D	T-4	D 14	NT1	D0/	A

0.372

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

85.1 (15%-125%)

Notes:

Radium-226

Method

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level
DL: Detection Limit PF: Prep Factor
MDA: Minimum Detectable Activity RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Project:

Client ID:

Analyst Comments

Report Date: November 7, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO₃

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47659 Sample ID: 598717020

Matrix: GW

Collect Date: 27-OCT-22 15:56
Receive Date: 28-OCT-22
Collector: Client

MDC RL Units Parameter Qualifier Result Uncertainty PF DF Analyst Date Time Batch Method Rad Gas Flow Proportional Counting GFPC, Ra228, Liquid "As Received" Radium-228 3.00 +/-1.29 1.84 3.00 pCi/L JE1 11/04/22 1135 2335632 Radium-226+Radium-228 Calculation "See Parent Products" Radium-226+228 Sum +/-1.35 NXL1 11/07/22 1237 2335630 pCi/L Rad Radium-226 Lucas Cell, Ra226, Liquid "As Received" Radium-226 1.09 +/-0.3800.297 1.00 pCi/L LXP1 11/06/22 0902 2335610 3 The following Analytical Methods were performed:

Method Description

Calculation

3	EPA 903.1 Modified				
Surrogate/Tracer Recove	ery Test	Result	Nominal	Recovery%	Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 87.5 (15%-125%)

Notes:

1

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: November 7, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47660 Sample ID: 598717021

Matrix: GW

Collect Date: 27-OCT-22 16:01
Receive Date: 28-OCT-22
Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analyst Da	e Time Batch	Method
Rad Gas Flow Proporti	ional Counting									
GFPC, Ra228, Liquid	"As Received"									
Radium-228		3.29	+/-1.46	2.15	3.00	pCi/L		JE1 11/04	22 1135 2335632	1
Radium-226+Radium-228 Calculation "See Parent Products"										
Radium-226+228 Sum		3.74	+/-1.49			pCi/L		NXL1 11/07	22 1237 2335630	2
Rad Radium-226										
Lucas Cell, Ra226, Lio	juid "As Recei	ved"								
Radium-226	•	0.443	+/-0.277	0.371	1.00	pCi/L		LXP1 11/06	22 0902 2335610	3
The following Analyti	cal Methods w	ere perfo	rmed:							
3.6.4.1	D						. 1			

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	·
2	Calculation	
3	EPA 903 1 Modified	

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

87.6 (15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Report Date: November 7, 2022

Santee Cooper P.O. Box 2946101

OCO3

Moncks Corner, South Carolina

Contact: Ms. Jeanette Gilmetti

Workorder: 598717

Parmname	NOM	Sample (Qual	QC	Units	RPD%	REC%	Range Anlst	Date Time
Rad Gas Flow Batch 2335631 ——									
QC1205230990 598717001 DUP									
Radium-228		2.16		2.10	pCi/L	3		(0% - 100%) JE1	11/04/22 10:40
	Uncertainty	+/-1.22		+/-1.09					
QC1205230991 LCS									
Radium-228	65.4			50.4	pCi/L		77.1	(75%-125%)	11/04/22 10:40
	Uncertainty			+/-3.79					ļ
QC1205230989 MB									
Radium-228			U	0.227	pCi/L				11/04/22 10:40
	Uncertainty			+/-1.03					
Batch 2335632 —									s
QC1205230993 598717011 DUP									
Radium-228	U	2.19	U	0.260	pCi/L	N/A		N/A JE1	11/04/22 11:34
	Uncertainty	+/-1.76		+/-1.00	9000				
QC1205230994 LCS									
Radium-228	65.6			63.1	pCi/L		96.3	(75%-125%)	11/04/22 11:34
	Uncertainty			+/-3.95	-				
QC1205230992 MB									
Radium-228			U	0.0260	pCi/L				11/04/22 14:03
	Uncertainty			+/-1.43	•				
Rad Ra-226									
Batch 2335609 ——									
QC1205230921 598717001 DUP									
Radium-226		0.738		1.13	pCi/L	42.2		(0% - 100%) LXP1	11/06/22 07:56
	Uncertainty	+/-0.348		+/-0.386	*				
QC1205230923 LCS Radium-226	26.6			22.2	эC:/I		92.0	(750/ 1050/)	11/06/22 07.56
Radium-226	26.6			22.3 +/-1.64	pCi/L		83.9	(75%-125%)	11/06/22 07:56
	Uncertainty			±/-1.0 4					
QC1205230920 MB									
Radium-226			U	0.437	pCi/L				11/06/22 07:56
	Uncertainty			+/-0.308					

Page 1 of 3

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QC Summary

		X-	10 111111111	-7				
Workorder: 598717								Page 2 of 3
Parmname	NOM	Sample Qua	al QC	Units	RPD%	REC%	Range Anlst	Date Time
Rad Ra-226 Batch 2335609								
QC1205230922 598717001 MS								
Radium-226	130	0.738	135	pCi/L		103	(75%-125%) LXP1	11/06/22 07:56
	Uncertainty	+/-0.348	+/-8.59					
Batch 2335610 ——								
QC1205230925 598717011 DUP								
Radium-226		0.898	0.779	pCi/L	14.2		(0% - 100%) LXP1	11/06/22 09:02
	Uncertainty	+/-0.350	+/-0.392					
QC1205230927 LCS								
Radium-226	26.5		21.3	pCi/L		80.1	(75%-125%)	11/06/22 09:02
	Uncertainty		+/-1.54					
QC1205230928 LCSD								
Radium-226	26.5		25.1	pCi/L	16.6	94.6	(0%-20%)	11/06/22 09:02
	Uncertainty		+/-1.80					
QC1205230924 MB								
Radium-226		U	0.304	pCi/L				11/06/22 09:02
	Uncertainty		+/-0.292					
QC1205230926 598717011 MS								
Radium-226	131	0.898	116	pCi/L		88.1	(75%-125%)	11/06/22 09:02
	Uncertainty	+/-0.350	+/-8.03					

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

The Qualifiers in this report are defined as follows:

- ** Analyte is a Tracer compound
- < Result is less than value reported
- > Result is greater than value reported
- BD Results are either below the MDC or tracer recovery is low
- FA Failed analysis.
- H Analytical holding time was exceeded
- J See case narrative for an explanation
- J Value is estimated
- K. Analyte present. Reported value may be biased high. Actual value is expected to be lower.
- L Analyte present. Reported value may be biased low. Actual value is expected to be higher.
- M M if above MDC and less than LLD
- M REMP Result > MDC/CL and < RDL
- N/A RPD or %Recovery limits do not apply.

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QC Summary

Page 3 of 3 Sample Qual Parmname **NOM** QC Units RPD% REC% Range Anlst Date Time N1See case narrative Analyte concentration is not detected above the detection limit ND NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier Q One or more quality control criteria have not been met. Refer to the applicable narrative or DER.

R Sample results are rejected

598717

Workorder:

- IJ Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
- UI Gamma Spectroscopy--Uncertain identification
- UJ Gamma Spectroscopy--Uncertain identification
- UL Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Y Other specific qualifiers were required to properly define the results. Consult case narrative.
- Λ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
- h Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable. ^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where the duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

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Radiochemistry Technical Case Narrative Santee Cooper SDG #: 598717

Product: GFPC, Ra228, Liquid

Analytical Method: EPA 904.0/SW846 9320 Modified **Analytical Procedure:** GL-RAD-A-063 REV# 5

Analytical Batch: 2335631

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
598717001	AF47633
598717002	AF47632
598717003	AF47651
598717004	AF47650
598717005	AF47649
598717006	AF47647
598717007	AF47648
598717008	AF47652
598717009	AF47646
598717010	AF47621
1205230989	Method Blank (MB)
1205230990	598717001(AF47633) Sample Duplicate (DUP)
1205230991	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Data Summary:

Recounts

Sample 598717006 (AF47647) was recounted to verify sample results. Recount is reported. Samples 598717005 (AF47649) and 598717008 (AF47652) were re-eluted and recounted to verify sample results. The recounts are reported.

Product: GFPC, Ra228, Liquid

<u>Analytical Method:</u> EPA 904.0/SW846 9320 Modified <u>Analytical Procedure:</u> GL-RAD-A-063 REV# 5

Analytical Batch: 2335632

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The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
598717011	AF47630
598717012	AF47628
598717013	AF47629
598717014	AF47627
598717015	AF47626
598717016	AF47625
598717017	AF47624
598717018	AF47623
598717019	AF47622
598717020	AF47659
598717021	AF47660
1205230992	Method Blank (MB)
1205230993	598717011(AF47630) Sample Duplicate (DUP)
1205230994	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Recounts

Sample 1205230992 (MB) was recounted due to a suspected blank false positive. The recount is reported. Samples 598717011 (AF47630), 598717012 (AF47628) and 598717019 (AF47622) were recounted due to a suspected false positive. The recounts are reported. Sample 598717017 (AF47624) was re-eluted and recounted to verify sample result. The recount is reported.

Product: Lucas Cell, Ra226, Liquid **Analytical Method:** EPA 903.1 Modified

Analytical Procedure: GL-RAD-A-008 REV# 15

Analytical Batch: 2335609

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
598717001	AF47633
598717002	AF47632
598717003	AF47651
598717004	AF47650
598717005	AF47649
598717006	AF47647
598717007	AF47648
598717008	AF47652
598717009	AF47646
598717010	AF47621

1205230920	Method Blank (MB)
1205230921	598717001(AF47633) Sample Duplicate (DUP)
1205230922	598717001(AF47633) Matrix Spike (MS)
1205230923	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

Additional Comments

The matrix spike, 1205230922 (AF47633MS), aliquot was reduced to conserve sample volume.

Product: Lucas Cell, Ra226, Liquid Analytical Method: EPA 903.1 Modified

Analytical Procedure: GL-RAD-A-008 REV# 15

Analytical Batch: 2335610

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
598717011	AF47630
598717012	AF47628
598717013	AF47629
598717014	AF47627
598717015	AF47626
598717016	AF47625
598717017	AF47624
598717018	AF47623
598717019	AF47622
598717020	AF47659
598717021	AF47660
1205230924	Method Blank (MB)
1205230925	598717011(AF47630) Sample Duplicate (DUP)
1205230926	598717011(AF47630) Matrix Spike (MS)
1205230927	Laboratory Control Sample (LCS)
1205230928	Laboratory Control Sample Duplicate (LCSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

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Additional Comments

The matrix spike, 1205230926 (AF47630MS), aliquot was reduced to conserve sample volume.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

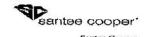
Page 30 of 35 SDG: 598717

GEL Contract Lab Info: _

__ Contract Lab Due Date (Lab Only):_

5 Send report to |cwillia@santeecoaper.com & sibrown@sunteecooper.com

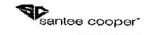
Chain of Custody



Santee Cooper One Riverwood Drive Moneks Corner, SC 29461 Phone: (843)761-8000 Ext. 5148 Fax: (843)761-4175

Customer En	Date R	esults Ne	y:		Pr	oject/	Task/	'Unit #:	Rerun reques	Rerun request for any flagged QC							
LINDA. WIL		3	125	715	<u>J</u> JM	102.	09. Gøl. J	/ 36500 Yes	No								
															Analys	is Gro	nb
Labworks ID (Internal use only)		mple Location scription	v/	Collection Date	Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass- G/Plastic-P)	Grab (G) or Composite (C)	Matrix(see below)	Preservative (see	Metl Repo Misc Any	Comments nod # orting limit . sample info other notes	SALFIDE	Tac/bac	RAD 226/228	TOTAL, BICARB, CARB
AF4763	1633 PM-1 10,				0927	MIK	5 7	F ₃	G	GW	Y*	TOC H		ı	2	2.	1
4F4763	2, C	×w − 1			1034						1	RAD H NOSNOZ			1		
A-F4765	i ce	54P-6			1140					Ц.							
AF4765	0 0	3-YP-4			1246									4		Ш	
AF4764	9 0	54P-3		1	1411								SE NOTE SHORT		Ц		
AF4764	7 ce	YP-2.			1216							HOLD FO	R SULFIDE				
AF4764	8 C	HP-2 D4	P	<u> </u>	[52]		1	<u> </u>]	1	上		SE FILTER AND	11	1	1	
												PRESE	RVE DOC SAMPLES	•			
					<u></u>												
Relinquishe	ed by:	Employee#	Date	Time	Recei	ved by:	E	mploye	e#	Dat	e	Time	Sample Receiving (Internal Use Only) TEMP (°C):Initial:				
Till	Sur	35466		1000	00 May GEL 10/28/22 MOD					1000	Correct pH: Yes				_		
Relinguishe	ed by:	Employee#	Date	Time	Recei	ved by:	E	mploye		Dat		-	Preservative Lot#:				
Relinquish	ed by:	Employee#	Dagay Bette	1440	Recei	ved by:	E	mploye		10/28/ Dat		1430 Time					
***************************************						No.				and the second second			Date/Time/Init for prese				
	MET.	ALS (all)	Nut	rients	M	SC.		Ğ	vosu	ım		Coa	Fiyash			NII S	
☐ Ag	□ Cu □ Fe	☐ Sb	— orc	iC+ y	O BTEX			l Wall	ioard)			□ Ultimate	all Ammonia	- Di	rans.	Oil Qi	ial,
□ As	□ K	□ Sn	5 DC)C //[PO4	□ Naptha □ THM/I				psum ov)	(all,		□ % Mois	ture HOROI	经 有关系 第5万	120/ 8/4	77.500	C 45 (100)
D B	□Li	□ Sr	O Ni		D VOC			F40 7/	VIMI.			□ Ash □ Sulfur	2 El V Cinbon →		Colo Acid Dielec IFT	ty.	
O Ba	□Mg	_ □Ti	—— ; <u>ū</u> r		□ Oil & C				od olal m	inis .		□ BTUs	ithMineral Analysis a.Matter s 700SaVe = 6		IFT.	ine Sin	ingth.
□ Be	O Mn	OTI			□ Total C □ pH	oliform		, ∵itis	oluble	ials Metals		☐ Volatile	Matter . In Stave		Disso	lved (ases
□ Ca	□Мо	O V	— 🗆 🗆 Bi	S. E. Walter	☐ Dissolv			10 P 10 S 10 O	umy ((Moist	ure (1		Other Tests			Flaci	noini	
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Chain of Custody



Santee Cooper One Riverwood Drive Moneks Corner, SC 29461 Phone: (843)761-4000 Ext. 5148 Fax: (843)761-4175

Customer	Email/	Report Reci	pient:	Date Re		P	oject/	Task/	Rerun reque	Rerun request for any flagged QC							
LINDA. V	LINDA . WILLIAMS _@santeecooper.com						125-15 / JM02.09.601.1/36500										
									į	<u>Analys</u>	s Grou	ñĎ					
	abworks ID # Sample Location/ Internal use Description			Collection Date	Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass- G/Plastic-P)	Grab (G) or	Matríx(see below)	Preservative (see	Meti Rep Miss Any	Comments and # orting limit orting notes other notes	Surfibe	70C/Dac	TOTAL RAD CALL	ALKALINITY
AF476	52.	CGYP-1		10/26/22	0924	MYJK ML	7	P+	G	GW	1/*	SULFIDE TOC H	Nath, ZINC ACEITIE	1	2	2	ı
	46	cGIP-1	777		[630			ı			$\overline{\prod}$	RAD HN			1	1	1
	21	CAP-1			1147												
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	28	CAP-9			1405		$\parallel \parallel$				\parallel		OK SULFIDE.		+	$\dag \uparrow$	${\mathbb H}$
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	Contract Lab Info: GEL	Contract Lab Due Dote (Lab Only):	H /	7	122	Send report to lcwillio@santeecooper.com siprown@sonteecooper.com siprown.com
--	------------------------	-----------------------------------	-----	---	-----	---

Chain of Custody



Santes Cooper One Riverwood Drive Moneks Corner, SC 29461 Phone: (842)761-8000 Ext, 5148 Fox: (843)761-4175

Custor	mer Emai	/Rep	ort Recipie	nt:	Date Re		Pi	oject/	Task/l	Jnit #:	Rerun request	Rerun request for any flagged QC								
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U,,,y)					Collection Date	tio di	Sample Collector	ofon	type:	Grab (G) or Composite (C)	l see	Preservative (see	• Misc	rting limit . sample info	SULFIDE	200	TOTAL PAP	PEKBLINITY		
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CEE Laboratories u.c.

SAMPLE RECEIPT & REVIEW FORM

Client: SOOP			SDG	HAR/COC/Work Order: 598717
Received By: StacyBoone			Dat	Received: 10/28/22
Carrier and Tracking Number				Circle Applicable: FedEx Express FedEx Ground UPS Field Services Courier Other
Suspected Hazard Information	Yes	Š	_	let Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous? B) Did the client designate the samples are to be			ļ	Ind Class Shipped: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes No Inotation or radioactive stickers on containers equal client designation.
received as radioactive? C) Did the RSO classify the samples as radioactive?		/	_	imum Net Counts Observed* (Observed Counts - Area Background Counts):CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Did the client designate samples are hazardous?		1		notation or hazard labels on containers equal client designation.
E) Did the RSO identify possible hazards?		/	IfD	or E is yes, select Hazards below. PCB's Flammable Foreign Seil RCRA Asbestos Beryllium Other:
Sample Receipt Criteria	Yes	Ä	Š	Comments/Qualifiers (Required for Non-Conforming Items)
Shipping containers received intact and sealed?	/			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2 Chain of custody documents included with shipment?	1			Circle Applicable: Client contacted and provided COC COC created upon receipt
3 Samples requiring cold preservation within (0 ≤ 6 deg. C)?*		_		Preservation Method: Wet Ice Ice Packs Dry ice None Other: *all temperatures are recorded in Celsius TEMP:
Daily check performed and passed on IR temperature gun?	/			Temperature Device Serial #: <u>IR4-22</u> Secondary Temperature Device Serial # (If Applicable):
5 Sample containers intact and sealed?	/			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6 Samples requiring chemical preservation at proper pH?	/	-		Sample ID's and Containers Affected: If Preservation added, Lot#:
7 Do any samples require Volatile Analysis?			/	If Yes, are Encores or Soil Kits present for solids? YesNoNA(If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? YesNoNA(If unknown, select No) Are liquid VOA vials free of headspace? YesNoNA Sample ID's and containers affected:
8 Samples received within holding time?	/			ID's and tests affected:
9 Sample ID's on COC match ID's on bottles?	/			ID's and containers affected:
Date & time on COC match date & time on bottles?	/			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
Number of containers received match number indicated on COC?	1			Circle Applicable: No container count on COC Other (describe)
Are sample containers identifiable as GEL provided by use of GEL labels?			1	
13 COC form is properly signed in relinquished/received sections?	/			Circle Applicable: Not relinquished Other (describe)
Comments (Use Continuation Form if needed):		, i		- La de la la la la la la la la la la la la la

Page 34 of 35 SDG: 598717^{M (or PMA) review: Initials}_

Date UJLO CC Page C of C

List of current GEL Certifications as of 07 November 2022

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-0651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	90129
Kentucky Wastewater	90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2019020
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	SC000122023-3
New Hampshire NELAP	2054
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2022–160
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
	10120001
South Carolina Chemistry Tennessee	TN 02934
Texas NELAP	T104704235-22-20
Utah NELAP	SC000122022-37
Vermont	VT87156
Virginia NELAP	460202
=/	
Washington	C780











PO Box 30712 Charleston, SC 29417 2040 Savage Road Charleston, SC 29407 P 843.556.8171 F 843.766.1178

gel.com

November 29, 2022

Ms. Jeanette Gilmetti Santee Cooper P.O. Box 2946101 OCO3 Moncks Corner, South Carolina 29461

Re: ABS Lab Analytical Work Order: 599036

Dear Ms. Gilmetti:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on November 01, 2022. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

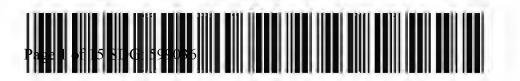
Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4289.

Sincerely,

Heather Millar for Julie Robinson Project Manager

Purchase Order: 398684

Enclosures



2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report for

SOOP001 Santee Cooper

Client SDG: 599036 GEL Work Order: 599036

The Qualifiers in this report are defined as follows:

- * A quality control analyte recovery is outside of specified acceptance criteria
- ** Analyte is a Tracer compound
- ** Analyte is a surrogate compound
- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Julie Robinson.

	Eather Millarc	
Reviewed by	Lacia	

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: November 29, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47661 Sample ID: 599036001

Matrix: GW

Collect Date: 31-OCT-22 10:13
Receive Date: 01-NOV-22
Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analy	st Date	Time Batch	Method
Rad Gas Flow Propo	rtional Counting	**										
GFPC, Ra228, Liquio	d "As Received"											
Radium-228	U	1.20	+/-1.14	1.86	3.00	pCi/L			JE1	11/28/22	1043 234319	1
Radium-226+Radiun	n-228 Calculatio	n "See Pa	arent Products"									
Radium-226+228 Sum		2.45	+/-1.22			pCi/L		1	TON1	11/29/22	1312 2343193	3 2
Rad Radium-226												
Lucas Cell, Ra226, L	iquid "As Recei	ved"										
Radium-226	•	1.25	+/-0.431	0.394	1.00	pCi/L			LXP1	11/29/22	0953 234317	3
The following Analy	tical Methods w	ere perfo	rmed:									
Method	Description					1	Analys	st Co	mment	S		

TITOCITO	Bescription	1 Hary St Comments
1	EPA 904.0/SW846 9320 Modified	•
2	Calculation	
3	EPA 903.1 Modified	

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

75 (15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 3 of 15 SDG: 599036

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Analyst Comments

Report Date: November 29, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47634 Sample ID: 599036002

Matrix: GW

Collect Date: 31-OCT-22 11:27
Receive Date: 01-NOV-22
Collector: Client

Description

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analy	st Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting											
GFPC, Ra228, Liquid ".	As Received"											
Radium-228	U	1.82	+/-1.22	1.89	3.00	pCi/L			JE1	11/28/22	1044 2343191	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"									
Radium-226+228 Sum		2.28	+/-1.26			pCi/L		1	TON1	11/29/22	1312 2343193	2
Rad Radium-226												
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"										
Radium-226		0.465	+/-0.306	0.396	1.00	pCi/L			LXP1	11/29/22	0953 2343171	3
The following Analytical Methods were performed:												

Surrogate/Tracer Recove	ery Test	Result	Nominal	Recovery%	Acceptable Limits
3	EPA 903.1 Modified				
2	Calculation				
1	EFA 904.0/3 W 840 9320 Modified				

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limited Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 75.4 (15%-125%)

Notes:

Method

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

EDA 004 0/CW946 0220 Madified

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 4 of 15 SDG: 599036

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: November 29, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti ABS Lab Analytical Project:

Client Sample ID: AF47635 Sample ID: 599036003

Matrix: GW

Collect Date: 31-OCT-22 11:32 Receive Date: 01-NOV-22 Collector: Client

Parameter	Qualifier	Result U	Jncertainty	MDC	RL	Units	PF	DF	Analy	st Date	Time Batch	Method
Rad Gas Flow Proporti	onal Counting	,										
GFPC, Ra228, Liquid "	'As Received'	ı										
Radium-228		2.42	+/-1.23	1.72	3.00	pCi/L			JE1	11/28/22	1044 2343191	1
Radium-226+Radium-2	228 Calculation	n "See Pare	ent Products"									
Radium-226+228 Sum		2.99	+/-1.27			pCi/L		1	TON1	11/29/22	1312 2343193	2
Rad Radium-226												
Lucas Cell, Ra226, Liq	uid "As Recei	ved"										
Radium-226		0.570	+/-0.342	0.438	1.00	nCi/L			LXP1	11/29/22	1025 2343171	3

The following Analytical Methods were performed:

Method	Description	Analyst Comments							
1	EPA 904.0/SW846 9320 Modified		•						
2	Calculation								
3	EPA 903.1 Modified								
Surrogate/Tracer Re	covery Test	Result	Nominal	Recovery%	Acceptable Limits				

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 69.9 (15%-125%)

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor MDA: Minimum Detectable Activity RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: November 29, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47636 Sample ID: 599036004

Matrix: GW

31-OCT-22 12:40 Collect Date: Receive Date: 01-NOV-22

Collector: Client

Project:

Client ID:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analy	st Date	Time Batch	Method
Rad Gas Flow Proportion	nal Counting											
GFPC, Ra228, Liquid "A	As Received"											
Radium-228	U	1.25	+/-1.21	1.99	3.00	pCi/L			JE1	11/28/22	1044 2343191	1
Radium-226+Radium-22	28 Calculatio	n "See Pa	rent Products"									
Radium-226+228 Sum		1.49	+/-1.22			pCi/L		1	TON1	11/29/22	1312 2343193	2
Rad Radium-226												
Lucas Cell, Ra226, Liqu	id "As Recei	ved"										
Radium-226	U	0.237	+/-0.199	0.259	1.00	pCi/L			LXP1	11/29/22	1025 2343171	3
The following Analytica	al Methods w	ere perfo	rmed:									
Method	Description					F	Analys	t Co	mments	5		

Calculation

3 EF	A 903.1 Modified				
Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 81.5 (15% - 125%)

2

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor MDA: Minimum Detectable Activity RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 6 of 15 SDG: 599036

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Certificate of Analysis

Project:

Client ID:

Report Date: November 29, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47637 Sample ID: 599036005

Matrix: GW

Collect Date: 31-OCT-22 13:42
Receive Date: 01-NOV-22
Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analy	st Date	Time Batch	Method
Rad Gas Flow Proport	ional Counting	F7										
GFPC, Ra228, Liquid	"As Received"											
Radium-228	U	0.681	+/-1.16	2.02	3.00	pCi/L			JE1	11/28/22	1044 2343191	1
Radium-226+Radium-	-228 Calculatio	n "See Pa	arent Products"									
Radium-226+228 Sum		1.25	+/-1.20			pCi/L		1	TON1	11/29/22	1312 2343193	2
Rad Radium-226												
Lucas Cell, Ra226, Li	quid "As Recei	ved"										
Radium-226	•	0.564	+/-0.321	0.360	1.00	pCi/L			LXP1	11/29/22	1025 2343171	3
The following Analyt	ical Methods w	ere perfo	ormed:									
Method	Description					,	Analys	st Co	mment	<u> </u>		*

1	EPA 904.0/SW846 9320 Modified		•		
2	Calculation				
3	EPA 903.1 Modified				
Surrogate/Tracer Recove	ery Test	Result	Nominal	Recovery%	Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 80.5 (15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Project:

Client ID:

Report Date: November 29, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47638 Sample ID: 599036006

Matrix: GW

Collect Date: 31-OCT-22 14:32
Receive Date: 01-NOV-22
Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Anal	yst Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting	r.									
GFPC, Ra228, Liquid ".	As Received"										
Radium-228	U	1.73	+/-1.27	2.00	3.00	pCi/L		JE1	11/28/22	1044 2343191	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"								
Radium-226+228 Sum		2.47	+/-1.30			pCi/L		1 TON1	11/29/22	1312 2343193	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"									
Radium-226		0.739	+/-0.295	0.217	1.00	pCi/L		LXP1	11/29/22	0953 2343171	3
The following Analytic	al Methods w	ere perfo	ormed:								

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	•
2	Calculation	

3 EPA 903.1 Modified

Surrogate/Tracer RecoveryTestResultNominalRecovery%Acceptable LimitsBarium-133 TracerGFPC, Ra228, Liquid "As Received"79.5(15%-125%)

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Report Date: November 29, 2022

Santee Cooper P.O. Box 2946101

OCO3

Moncks Corner, South Carolina

Contact: Ms. Jeanette Gilmetti

Workorder: 599036

Parmname	NOM	Sample Q	Qual QC	Units	RPD%	REC%	Range Anlst	Date Time
Rad Gas Flow Batch 2343191 —								
QC1205246235 599036001 DUP Radium-228	U Uncertainty	1.20 +/-1.14	U 2.07 +/-1.36	pCi/L	N/A		N/A JE1	11/28/22 10:43
QC1205246236 LCS Radium-228	65.5 Uncertainty		62.4 +/-4.59	pCi/L		95.4	(75%-125%)	11/28/22 10:43
QC1205246237 LCSD Radium-228	65.5 Uncertainty		52.9 +/-4.25	pCi/L	16.5	80.8	(0%-20%)	11/28/22 10:43
QC1205246234 MB Radium-228	Uncertainty		U 0.505 +/-0.910	pCi/L				11/28/22 10:43
Rad Ra-226 Batch 2343171 —								
QC1205246198 599036001 DUP Radium-226	Uncertainty	1.25 +/-0.431	1.43 +/-0.456	pCi/L	13.4		(0% - 100%) LXP1	11/29/22 10:25
QC1205246200 LCS Radium-226	26.6 Uncertainty		21.3 +/-1.71	pCi/L		80	(75%-125%)	11/29/22 10:56
QC1205246201 LCSD Radium-226	26.6 Uncertainty		21.9 +/-1.65	pCi/L	2.75	82.3	(0%-20%)	11/29/22 10:56
QC1205246197 MB Radium-226	Uncertainty		U 0.113 +/-0.195	pCi/L				11/29/22 10:56
QC1205246199 599036001 MS Radium-226	134 Uncertainty	1.25 +/-0.431	106 +/-8.36	pCi/L		78.4	(75%-125%)	11/29/22 10:56

Notes:

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).

The Qualifiers in this report are defined as follows:

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Page 1 of 2

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Workorder: 599036

Page 2 of 2

Parmname NOM Sample Qual QC Units RPD% REC% Range Anlst Date Time

- ** Analyte is a Tracer compound
- < Result is less than value reported
- > Result is greater than value reported
- BD Results are either below the MDC or tracer recovery is low
- FA Failed analysis.
- H Analytical holding time was exceeded
- J See case narrative for an explanation
- J Value is estimated
- K Analyte present. Reported value may be biased high. Actual value is expected to be lower.
- L Analyte present. Reported value may be biased low. Actual value is expected to be higher.
- M if above MDC and less than LLD
- M REMP Result > MDC/CL and < RDL
- N/A RPD or %Recovery limits do not apply.
- N1 See case narrative
- ND Analyte concentration is not detected above the detection limit
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Q One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
- R Sample results are rejected
- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
- UI Gamma Spectroscopy--Uncertain identification
- UJ Gamma Spectroscopy--Uncertain identification
- UL Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Y Other specific qualifiers were required to properly define the results. Consult case narrative.
- ^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
- h Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable. ^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where the duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

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Technical Case Narrative Santee Cooper SDG #: 599036

Radiochemistry

Product: Radium-226+Radium-228 Calculation

Analytical Method: Calculation

Analytical Procedure: GL-RAD-D-003 REV# 45

Analytical Batch: 2343193

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
599036001	AF47661
599036002	AF47634
599036003	AF47635
599036004	AF47636
599036005	AF47637
599036006	AF47638

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: GFPC, Ra228, Liquid

Analytical Method: EPA 904.0/SW846 9320 Modified Analytical Procedure: GL-RAD-A-063 REV# 5

Analytical Batch: 2343191

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
599036001	AF47661
599036002	AF47634
599036003	AF47635
599036004	AF47636
599036005	AF47637
599036006	AF47638
1205246234	Method Blank (MB)
1205246235	599036001(AF47661) Sample Duplicate (DUP)
1205246236	Laboratory Control Sample (LCS)
1205246237	Laboratory Control Sample Duplicate (LCSD)

Page 11 of 15 SDG: 599036

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: Lucas Cell, Ra226, Liquid Analytical Method: EPA 903.1 Modified

Analytical Procedure: GL-RAD-A-008 REV# 15

Analytical Batch: 2343171

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
599036001	AF47661
599036002	AF47634
599036003	AF47635
599036004	AF47636
599036005	AF47637
599036006	AF47638
1205246197	Method Blank (MB)
1205246198	599036001(AF47661) Sample Duplicate (DUP)
1205246199	599036001(AF47661) Matrix Spike (MS)
1205246200	Laboratory Control Sample (LCS)
1205246201	Laboratory Control Sample Duplicate (LCSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

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Chain of Custody



Santee Cooper One Riverwood Drive Moncks Comer, SC 29461 Phone: (843)761-8000 Ext. 5148 Fax: (843)761-4175

Project/Task/Unit #: **Customer Email/Report Recipient:** Date Results Needed by: Rerun request for any flagged QC linda.williams@santeecooper.com 125915/JM02.09.G01.1/36500 Yes No **Analysis Group** Labworks ID# Sample Location/ Comments Rad 226/228/Calc Matrix(see below Collection Date Collection Time (Glass-(see Description Total # of container Method # (Internal use Sample Collector only) Reporting limit Preservative Bottle type: ((G/Plastic-P) 9 Grab (G) or Composite (Misc. sample info Alkalinity Sulfide below Any other notes GW 1 1/ 1 CCMAP-5 P/ G Rad-NO3 2 2 AF47661 6 10/31/22 1013 WJK G Sulfide-Zinc acetate, NaOH GW WJK P/ TOC-H2SO4 1 2 2 AF47634 CLF1B-1 6 G 1/ 1 10/31/22 1127 G GW P/ *DOC samples need to be 2 2 AF47635 CLF1B-1 DUP WJK 6 G 1/ 1 1 10/31/22 1132 G filtered and preserved. P/ GW AF47636 CLF1B-2 WJK 1/ 1 1 2 2 6 G 10/31/22 1240 G GW 2 **WJK** P/ 1/ *Sulfide samples have short 2 AF47637 CLF1B-3 6 G 1 1 10/31/22 1342 G hold times. GW 1 2 WJK 6 P/ G 1/ 1 2 AF47638 CLF1B-4 10/31/22 1432 G Sample Receiving (Internal Use Only) Employee# Date Time Received by: Employee # Date Time Relinquished by: TEMP (°C):_____ Initial:_ 11/1/22 3718C 11/1/22 GFI Correct pH: Yes Relinguished by: Employee# Date eceived by: Employee # Date Preservative Lot#: 1535 11-01-22 Relinquished by: Employee# Employee # Date Time Date/Time/Init for preservative: €METALS (all) **Nutrients** MISC. Gypsum Coal Oil Flyash € Ag € Cu € Sb €TOC € Wallboard €Trans. Oil Qual. **€BTEX** €Ultimate € Ammonia €A1 €Fe €Se €DOC € Napthalene Gypsum(all €% Moisture € %Moisture €LOI. €ТНМ/НАА € Color €As €K €Sn below) €TP/TPO4 €Ash €% Carbon €VOC **€** Acidity € AIM €NH3-N € Sulfur €В €Li €Sr € Mineral € Dielectric Strength €Oil & Grease €TOC €F €BTUs Analysis €IFT €E. Coli € Total metals €Ba €Ti €Mg €CI € Volatile Matter € Sieve € Dissolved Gases € Total Coliform € Soluble Metals €TI €NO2 €Be €Mn €CHN €% Moisture € Used Oil €рН € Purity (CaSO4) €Br Other Tests: €Flashpoint € Dissolved As €% Moisture €Ca €Mo €V € Dissolved Fe €XRF Scan €Metals in oil €NO3 **€** Sulfites **NPDES** €Cd €Na €Zn (As,Cd,Cr,Ni,Pb €Rad 226 €HGI €SO4 €рН €Oil & Grease Hg) € Rad 228 € Chlorides € Fineness €Co €Ni €Hg €TX **€PCB** €Particulate Matter € Particle Size €TSS **€GOFER** €Cr €Pb € CrVI € Sulfur

	GEL Laboratories LLC			SAMPLE RECEIPT & REVIEW FORM
Cli	ent: SOOD			SDG/AR/COC/Work Order: 599036 1599035
Day	eived By: MVH	-0-10 H 2 H 2	1984	Date Received: 1.01-2022
Kee	Carrier and Tracking Number			Chale Applicable: FedEx Express FedEx Ground UPS Field Services Courier Other
Sus	pected Hazard Information	Yes	%	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
<u>A)S</u>	hipped as a DOT Hazardous?		_	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes No
	old the client designate the samples are to be ived as radioactive?			GCC notation or radioactive stickers on containers equal client designation.
2200	Did the RSO classify the samples as pactive?		_	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): CPM mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) 1	Did the client designate samples are hazardous?		_	esc notation or hazard labels on containers equal client designation: If D or B is yes, select Hazards below.
E) I	Pid the RSO identify possible hazards?	1535003000		PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:
	Sample Receipt Criteria	Yes	NA	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	Samples requiring cold preservation within $(0 \le 6 \text{ deg. C})$?*		100	Preservation Method Wet Ice Ice Packs Dry ice None Other: *all temperatures are recentled in Celsius TEMP:
4	Daily check performed and passed on IR temperature gun?	_		Temperature Device Serial #: IR2-21 Secondary Temperature Device Serial # (If Applicable):
5	Sample containers intact and scaled?	_		Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6	Samples requiring chemical preservation at proper pH?	_	- 56	Sample ID's and Containers Affected: If Preservation added, Lot#:
7	Do any samples require Volatile Analysis?			If Yes, are Encores or Soil Kits present for solids? Yes No NA (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes No NA (If unknown, select No) Are liquid VOA vials free of headspace? Yes No NA Sample ID's and containers affected:
8	Samples received within holding time?			ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?			ID's and containers affected:
10	Date & time on COC match date & time on bottles?		•	Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
11	Number of containers received match number indicated on COC?	_		Circle Applicable: No container count on COC Other (describe)
12	Are sample containers identifiable as GEL provided by use of GEL labels? COC form is properly signed in			Circle Applicable: Not relinquished Other (describe)
13	relinquished/received sections?			Same apparation (Anti-Original Control (Account)
Con	ments (Use Continuation Form if needed):			

GL-CHL-SR-001 Rev 7

List of current GEL Certifications as of 29 November 2022

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-0651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	90129
Kentucky Wastewater	90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2019020
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	SC000122023-3
New Hampshire NELAP	2054
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2022–160
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
	10120001
South Carolina Chemistry Tennessee	TN 02934
Texas NELAP	T104704235-22-20
Utah NELAP	SC000122022-37
Vermont	VT87156
Virginia NELAP	460202
=/	
Washington	C780

ANALYTICAL REPORT

PREPARED FOR

Attn: Linda Williams
South Carolina Public Service Authority
Santee Cooper
PO BOX 2946101
Moncks Corner South Carolina 29461-2901

Generated 11/22/2022 6:01:28 PM

JOB DESCRIPTION

125915/JM02.09.G01.1/36500

JOB NUMBER

680-224844-1

Eurofins Savannah 5102 LaRoche Avenue Savannah GA 31404



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Case Narrative

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Job ID: 680-224844-1

Laboratory: Eurofins Savannah

Narrative

Job Narrative 680-224844-1

Receipt

The samples were received on 11/5/2022 11:38 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 20.6°C

Metals

Method 6020A: preparation batch 160-589629 and 160-589630 and analytical batch 160-590226 The following samples were diluted to bring the concentration of target analytes within the calibration range: AF47627 (680-224844-14), AF47626 (680-224844-15) and AF47658 (680-224844-34). Elevated reporting limits (RLs) are provided.

Method 6020B: preparation batch 160-589627 Elevated reporting limits are provided for the following samples due to insufficient sample provided for preparation: AF47633 (680-224844-1), AF47632 (680-224844-2), AF47628 (680-224844-12), (680-224844-A-2 MSD).

Method 6020B: preparation batch 160-589628 Elevated reporting limits are provided for the following samples due to insufficient sample provided for preparation: AF47660 (680-224844-21), AF47635 (680-224844-24), (680-224844-A-24 MS) and (680-224844-A-24 MSD).

Method 6020B: preparation batch 160-589629 Elevated reporting limits are provided for the following sample due to insufficient sample provided for preparation: AF47654 (680-224844-41).

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

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Sample Summary

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	
680-224844-1	AF47633	Water	10/25/22 09:27	11/05/22 11:38	
680-224844-2	AF47632	Water	10/25/22 10:34	11/05/22 11:38	
680-224844-3	AF47651	Water	10/25/22 11:10	11/05/22 11:38	
680-224844-4	AF47650	Water	10/25/22 12:46	11/05/22 11:38	
680-224844-5	AF47649	Water	10/25/22 14:11	11/05/22 11:38	
680-224844-6	AF47647	Water	10/25/22 15:16	11/05/22 11:38	
680-224844-7	AF47648	Water	10/25/22 15:21	11/05/22 11:38	
680-224844-8	AF47652	Water	10/26/22 09:24	11/05/22 11:38	
680-224844-9	AF47646	Water	10/26/22 10:30	11/05/22 11:38	
680-224844-10	AF47621	Water	10/26/22 11:47	11/05/22 11:38	
680-224844-11	AF47630	Water	10/26/22 12:58	11/05/22 11:38	
680-224844-12	AF47628	Water	10/26/22 14:05	11/05/22 11:38	
680-224844-13	AF47629	Water	10/26/22 14:10	11/05/22 11:38	
680-224844-14	AF47627	Water	10/26/22 15:32	11/05/22 11:38	
680-224844-15	AF47626	Water	10/27/22 09:41	11/05/22 11:38	
680-224844-16	AF47625	Water	10/27/22 11:01	11/05/22 11:38	
680-224844-17	AF47624	Water	10/27/22 12:15	11/05/22 11:38	
680-224844-18	AF47623	Water	10/27/22 13:24	11/05/22 11:38	
680-224844-19	AF47622	Water	10/27/22 14:46	11/05/22 11:38	
680-224844-20	AF47659	Water	10/27/22 15:56	11/05/22 11:38	
680-224844-21	AF47660	Water	10/27/22 16:01	11/05/22 11:38	
680-224844-22	AF47661	Water	10/31/22 10:13	11/05/22 11:38	
680-224844-23	AF47634	Water	10/31/22 11:27	11/05/22 11:38	
680-224844-24	AF47635	Water	10/31/22 11:32	11/05/22 11:38	
680-224844-25	AF47636	Water	10/31/22 12:40	11/05/22 11:38	
680-224844-26	AF47637	Water	10/31/22 13:42	11/05/22 11:38	
680-224844-27	AF47638	Water	10/31/22 14:32	11/05/22 11:38	
680-224844-28	AF47643	Water	11/02/22 09:42	11/05/22 11:38	
680-224844-29	AF47644	Water	11/02/22 09:47	11/05/22 11:38	
680-224844-30	AF47631	Water	11/02/22 11:02	11/05/22 11:38	
680-224844-31	AF47655	Water	11/02/22 12:32	11/05/22 11:38	
680-224844-32	AF47662	Water	11/02/22 13:51	11/05/22 11:38	
680-224844-33	AF47663	Water	11/02/22 14:52	11/05/22 11:38	
680-224844-34	AF47658	Water	11/02/22 16:00	11/05/22 11:38	
680-224844-35	AF47639	Water	11/01/22 10:13	11/05/22 11:38	
680-224844-36	AF47645	Water	11/01/22 11:29	11/05/22 11:38	
680-224844-37	AF47641	Water	11/01/22 12:28	11/05/22 11:38	
680-224844-38	AF47642	Water	11/01/22 14:06	11/05/22 11:38	
680-224844-39	AF47640	Water	11/01/22 15:15	11/05/22 11:38	
680-224844-40	AF47653	Water	11/03/22 10:03	11/05/22 11:38	
680-224844-41	AF47654	Water	11/03/22 11:04	11/05/22 11:38	
680-224844-42	AF47657	Water	11/03/22 12:20	11/05/22 11:38	
680-224844-43	AF47664	Water	11/03/22 13:44	11/05/22 11:38	
680-224844-44	AF47656	Water	11/03/22 14:49	11/05/22 11:38	

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Method Summary

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EETSAV
6020A	Metals (ICP/MS)	SW846	EET SL
6020B	Metals (ICP/MS)	SW846	EET SAV
6020B	Metals (ICP/MS)	SW846	EET SL
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SL
3010A	Preparation, Total Metals	SW846	EET SL

Protocol References:

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

Laboratory References:

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858 EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566 __ |

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Definitions/Glossary

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Not Detected at the reporting limit (or MDL or EDL if shown)

Negative / Absent

Positive / Present

Presumptive

Quality Control

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Job ID: 680-224844-1

Qualifiers

ND

NEG

POS

PQL

QC

RL

RPD

TEF

TEQ

TNTC

RER

PRES

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.
U	Indicates the analyte was analyzed for but not detected.

ministrate the dualities had dilatigued for but not detected.
These commonly used abbreviations may or may not be present in this report.
Listed under the "D" column to designate that the result is reported on a dry weight basis
Percent Recovery
Contains Free Liquid
Colony Forming Unit
Contains No Free Liquid
Duplicate Error Ratio (normalized absolute difference)
Dilution Factor
Detection Limit (DoD/DOE)
Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
Decision Level Concentration (Radiochemistry)
Estimated Detection Limit (Dioxin)
Limit of Detection (DoD/DOE)
Limit of Quantitation (DoD/DOE)
EPA recommended "Maximum Contaminant Level"
Minimum Detectable Activity (Radiochemistry)
Minimum Detectable Concentration (Radiochemistry)
Method Detection Limit
Minimum Level (Dioxin)
Most Probable Number
Method Quantitation Limit
Not Calculated

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Client Sample ID: AF47633 Lab Sample ID: 680-224844-1 Analyte MDL Unit Dil Fac D Method Prep Type Result Qualifier RL Calcium 13100 500 ug/L 6010D Total Recoverable 10900 1 6010D Iron 100 ug/L Total Recoverable 647 6010D Total Magnesium 500 1 ug/L Recoverable Sodium 5680 2000 ug/L 1 6010D Total Recoverable Cobalt 3.42 2.00 ug/L 2 6020A Dissolved 13.0 5.00 2 6020A Dissolved Manganese ug/L Lithium 6.06 5.00 ug/L 2 6020A Dissolved Iron 10900 50.0 2 6020A Dissolved ug/L Barium 6020B 85.1 5.00 ug/L Total Recoverable Cobatt 1.89 0.500 1 6020B ug/L Total Recoverable Manganese 12.9 5.00 ug/L 6020B Total Recoverable

Client Sample ID: AF47632

Lab	Sam	ple	ID:	680-224844-2
P 01 10	~~!!!	W. C.	100.	000 EETOTT E

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	27500		500		ug/L	1		6010D	Total
									R ecoverable
Magnesium	1820		500		ug/L	10		6010D	Total
									Riecoverable
Bodium	5740		2000		ug/L	1		6010D	Total
									Recoverable
Manganese	12.9		5.00		ug/L	2		6020A	D issolved
Iron	264		50.0		ug/L	2		6020A	Dissolved
9 ari um	46.6		5.00		ug/L	1		6020B	Total
									Recoverable
Cobalt	0.625		0.500		ug/L	1		6020B	Total
									Recoverable
Lead	3.20		2.50		ug/L	1		6020B	Total
									Riecoverable
Manganese	14.5		5.00		ug/L	1:		6020B	Total
									Riecoverable

Client Sample ID: AF47651

Lab Sample ID: 680-224844-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	370000		500		ug/L	1		6010D	Total
									Riecoverable
Iron	30400		100		ug/L	1		6010D	Total
									R ecover able
Magnesium	13100		500		ug/L	1:		6010D	Total
									Recoverable
Potassium	1830		1000		ug/L	1		6010D	Total
									R ecover able
Sodium	87000		2000		ug/L	10		6010D	Total
									Recoverable
Beryllium	24.8		0.500		ug/L	2		6020A	Dissolved
Cobalt	133		2.00		ug/L	2		6020A	Dissolved
Manganese	140		5.00		ug/L	2		6020A	Dissolved
Lithium	106		5.00		ug/L	2		6020A	Dissolved
Iron	33500		50.0		ug/L	2		6020A	Dissolved

This Detection Summary does not include radio chemical test results.

Eurofins Savannah

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Client: South Carolina Public Service Authority Project(Site: 125915), IM02.09 G.01 1/36500

ient Sample ID: AF47	651 (Continued)					Lat	5	ampie ID:	680-224844
nalyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
) arium	465		5.00		ug/L	1		6020B	Total
									Riecoverable
Peryllium	27.0		0.500		ug/L	1		6020B	Total
100000000000	*******		9-2007		000020			2000375	R ecoverable
Cadmium	0.580		0.500		ug/L	1		6020B	Total
Cobalt	156		0.500		ug/L	1		6020B	R ecoverabl Total
obait	130		0.300		ug/L	30		00208	rotar Riecoverabl
.ead	2.85		2.50		ug/L	1		60208	Total
	2.00		200		-agric	.55		00200	R ecover <i>a</i> bl
Manganese	162		5.00		ug/L	10		6020B	Total
***									Recoverabl
	222						-0.50	- 10 Marie	
lient Sample ID: AF47	650					Lak) S:	ample ID:	680-224844
nalyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	231000		500		ug/L	1	(2	6010D	Total
									Riecoverabl
ron	81000		100		ug/L	1		6010D	Total
									R ecover ab l
Magnesium	12000		500		ug/L	1		6010D	Total
10.000 Meta	2222		100000000		000022			201224	R ecover ab l
Potassium	2460		1000		ug/L	1		6010D	Total
No. of the Contract of the Con					1905 W 00				R ecoverabl
Sodium	67700		2000		ug/L	1:		6010D	Total
eryllium .	16.4		0.500		ug/L	2		6020A	R ecoverabl D issolved
Cobalt	38.1		2.00			2		6020A	Dissolved
	280				ug/L				
Manganese 			5.00		ug/L	2		6020A	Dissolved
.ithium	54.5		5.00		ug/L	2		6020A	Dissolved
ron	86500		50.0		ug/L	2		6020A	Dissolved
Selenium	8.56		5.00		ug/L	2		6020B	Total/NA
Arsenic	4.10		3.00		ug/L	1		6020B	Total
	1222		0020200		0.000	20		2020000	Recoverabl
arium (30.6		5.00		ug/L	1		6020B	Total
versus and	30.0		0.600		1975-000			ecoop	R ecoverabl
Beryllium	18.8		0.500		ug/L	40		6020B	Total
admium	0.805		0.500		ug/L	1		6020B	R ecoverabl Total
, a dillioni	0,500		0.000		- agric			00200	R ecoverabl
Cobalt	41.5		0.500		ug/L	1		6020B	Total
	1877		W/275		19.56V	28		N/1947	R ecoverabl
.ead	13.4		2.50		ug/L	1		6020B	Total
					•				Recoverabl
Manganese	316		5.00		ug/L	1		6020B	Total
									R ecover ab l

This Detection Summary does not include radiochemical test results.

Analyte

Calcium

Magnesium

Iron

Eurofins Savannah

Prep Type

Total Recoverable

Total Recoverable

Total Recoverable

RL

500

100

500

MDL Unit

ug/L

ug/L

ug/L

Dil Fac D Method

6010D

6010D

6010D

Result Qualifier

415000

17 1000

20800

11/22/2022

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Client Sample ID: AF47649 (Continued)

Lab Sample ID: 680-224844-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	2300		1000		ug/L	1		6010D	Total
									Riecoverable
Sodium	73300		2000		ug/L	1		6010D	Total
									R ecover able
Beryllium	30.8		0.500		ug/L	2		6020A	D issolved
Cobalt	82.8		2.00		ug/L	2		6020A	Dissolved
Manganese	411		5.00		ug/L	2		6020A	Dissolved
Lithium	65.1		5.00		ug/L	2		6020A	Dissolved
Iron	192000		50.0		ug/L	2		6020A	Dissolved
Selenium	18.9		5.00		ug/L	2		60208	Total/NA
Arsenio	6.53		3.00		ug/L	1		60208	Total
									R ecoverable
Barium	42.2		5.00		ug/L	1		6020B	Total
									Riecoverable
Beryllium	34.5		0.500		ug/L	1		6020B	Total
									R ecover able
Cadmium	1.87		0.500		ug/L	1		6020B	Total
									R ecover able
Chromium	8.79		5.00		ug/L	1:		6020B	Total
	¥00000		90-90 AC-070					specific Control	R ecover able
Cobalt	95.6		0.500		ug/L	1		6020B	Total
									R ecoverable
Lead	29.8		2.50		ug/L	1:		6020B	Total
24000000000	552256		W2028		99855	20			R ecoverable
Manganese	471		5.00		ug/L	1		6020B	Total
									R ecover able

Client Sample ID: AF47647

Lab Sample ID: 680-224844-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	214000		500		ug/L	1		6010D	Total
									Recoverable
Iron	63500		100		ug/L	1.		6010D	Total
									R ecoverable
Magnesium	18600		500		ug/L	1		6010D	Total
									R ecover <i>a</i> ble
Potassium	2350		1000		ug/L	1		6010D	Total
									R ecover <i>a</i> ble
Sodium	8250		2000		ug/L	1		6010D	Total
									R ecoverable
Beryllium	3.74		0.500		ug/L	2		6020A	D issolved
Cobalt	19.4		2.00		ug/L	2		6020A	Dissolved
Manganese	289		5.00		ug/L	2		6020A	Dissolved
Lithium	15.1		5.00		ug/L	2		6020A	Dissolved
Iron	71400		50.0		ug/L	2		6020A	Dissolved
Selenium	27.3		5.00		ug/L	2		6020B	TotaVNA
Barium	18.3		5.00		ug/L	1		60208	Total
									Recoverable
Beryllium	4.32		0.500		ug/L	1:		6020B	Total
									Recoverable
Cadmium	1.38		0.500		ug/L	1		6020B	Total
									R ecoverable
Cobalt	21.5		0.500		ug/L	1		6020B	Total
									Recoverable
Lead	25.1		2.50		ug/L	1		6020B	Total
									Riecoverable

This Detection Summary does not include radiochemical test results.

Eurofins Savannah

11/22/2022

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12

16

IL.

RL

MDL Unit

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Result Qualifier

68100

28.0

17.8

4.00

1.72

20.4

24.3

314

Client Sample ID: AF47647 (Continued)

Job ID: 680-224844-1

Prep Type

Dissolved

Total/NA

Recoverable

Total

Total Recoverable

Total Recoverable

Total Recoverable

Total Recoverable

Total

Recoverable

Lab Sample ID: 680-224844-6

Dil Fac D Method

2

2

1

1

1

1

1

1

6020A

6020B

6020B

6020B

6020B

6020B

6020B

6020B

18

/

5

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610

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1.0 (1.0 T) • 5.T()	.0000000	7.77.00.000		100000000000000000000000000000000000000	(U.T.) (P.T.)		0000	V110-731105-75	7 - F - 7 - F
Manganese	325		5.00	93330500	ug/L	1		6020B	Total
	70.40						_		Recoverable
lient Sample ID: AF4	7648					Lai	, 5	ampie iu:	680-224844-
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	213000		500		ug/L	1		6010D	Total
									R ecoverable
Iron	62800		100		ug/L	1		6010D	Total
									R ecoverable
Magnesium	18800		500		ug/L	1:		6010D	Total
									Recoverable
Potassium	2310		1000		ug/L	1		6010D	Total
									Recoverable
Sodium	8230		2000		ug/L	1		6010D	Total
E 200			2-2000		25			NAT 5 3 0	Recoverable
Beryllium	3.71		0.500		ug/L	2		6020A	Dissolved
Cobalt	18.7		2.00		ug/L	2		6020A	D issolved
Manganese	284		5.00		ug/L	2		6020A	Dissolved
Lithium	15.3		5.00		ug/L	2		6020A	Dissolved

50.0

5.00

5.00

0.500

0.500

0.500

2.50

5.00

Client Sample ID: AF47652

Iron

Selenium

Beryllium

Cadmium

Cobalt

Lead

Manganese

Barium

Lab Sample ID: 680-224844-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	320000		500		ug/L	1		6010D	Total
									R ecover able
Iron	114000		100		ug/L	1		6010D	Total
									R ecover able
Magnesium	68200		5000		ug/L	10		6010D	Total
									R ecover able
Potassium	4210		1000		ug/L	1		6010D	Total
									R ecover able
Sodium	80200		20000		ug/L	10		6010D	Total
									R ecoverable
Beryllium	11.7		0.500		ug/L	2		6020A	Dissolved
Cobalt	68.3		2.00		ug/L	2		6020A	D is solved
Manganese	885		5.00		ug/L	2		6020A	Dissolved
Lithium	13.7		5.00		ug/L	2		6020A	Dissolved
Iron	141000		50.0		ug/L	2		6020A	D is solved
Selenium	46.4		5.00		ug/L	2		6020B	TotaVNA
Arsenic	6.21		3.00		ug/L	1		6020B	Total
									Recoverable

This Detection Summary does not include radiochemical test results.

Client: South Carolina Public Service Authority Project(Site: 125915), IM02.09 G.01 1/36500

lient Sample ID: AF47652 (Continued)				Lak	52	ample ID:	680-224844
Analyte	Result Q	ualifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	28.1	5.00	2224	ug/L	1		6020B	Total
								Recoverable
Beryllium	11.7	0.500		ug/L	1		6020B	Total
2-35-00-00-00-00-	525021	12000000		000020		700	200000	R ecoverable
Cadmium	3.19	0.500		ug/L	1	9	5020B	Total
Cobalt	70.7	0.500		wat			5020B	R ecoverabl
Cobait	79.7	0.500		ug/L	1	(1)	00208	Total R ecoverabl
Lead	55.1	2.50		ug/L	1	- 3	B020B	Total
Lead	33.1	2.50		dgr	.55	52	00200	R ecover abi
Manganese	1050	5.00		ug/L	1:	30	6020B	Total
				Š.				Riecoverabl
lient Sample ID: AF47646					Lak	Sa	ample ID:	680-224844
Analyte	Result Q	ualifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	193000	500		ug/L	1		6010D	Total
								R ecover ab
Iron	133000	100		ug/L	1	ু	6010D	Total
								R ecover ab
Magnesium	43000	500 °		ug/L	1.	ा	6010D	Total
	2012 (142)	9020200		000022	201		201224	R ecover ab
Potassium	3850	1000		ug/L	1	0	B010D	Total
0.45-	£7000	2000		555000			90400	R ecover ab Total
Sodium	57000	2000		ug/L	10	364	6010D	Recoverab
Beryllium	9.82	0.500		ug/L	2	3	5020A	D issolved
Cobalt	43.6	2.00		ug/L	2		6020A	Dissolved
Manganese	391	5.00		ug/L	2		5020A	Dissolved
Lithium	21.0	5.00		ug/L	2		6020A	Dissolved
lron -	162000	50.0		ug/L	2		8020A	D issolved
Selenium	26.5	5.00		ug/L	2		5020B	Total/NA
Arsenic	4.72	3,00		ug/L	1.	- 1	5020B	Total
		F00		COPER		163	~~~~	Recoverab
Barium	46.9	5.00		ug/L	1	S.	6020B	Total
Boodline	11.2	0.500		See All	1:	500	5020B	R ecoverab Total
Beryllium	S11.2	0.000%		ug/L	45	304	3020B	Recoverab
Cadmium	2.20	0.500		ug/L	1	3	6020B	Total
2 2 3 11 3 11	2,20	3,332		-3	25			R ecoverable
Cobalt	52.3	0.500		ug/L	1	- 0	6020B	Total
				4560				R ecover abl
Lead	8.88	2.50		ug/L	1	- 6	B020B	Total
				-				Riecoverabl
Manganese	468	5.00		ug/L	1	1	5020B	Total
								R ecover ab
lient Sample ID: AF47621					Lab	Sar	nple ID: 6	80-224844-
Analyte	Result Q	ualifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
	result of		III D'L		211100	-		P . spe

This Detection Summary does not include radiochemical test results.

Iron

Magnesium

54800

6720

Eurofins Savannah

100

500

ug/L

ug/L

11/22/2022

Recoverable

Recoverable

Total

Total Recoverable

6010D

6010D

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Alliand	Commita	IPS. AT	-47004	10 ambient and
Cilent	Sample	IU. AI	-4/6ZI	(Continued)

Lab Sample ID: 680-224844-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	44600		2000		ug/L	1		6010D	Total
									R ecoverable
Beryllium	3.78		0.500		ug/L	2		6020A	Dissolved
Cobalt	14.7		2.00		ug/L	2		6020A	Dissolved
Manganese	196		5.00		ug/L	2		6020A	Dissolved
Lithium	63.3		5.00		ug/L	2		6020A	Dissolved
Iron	55600		50.0		ug/L	2		6020A	Dissolved
Barium	46.7		5.00		ug/L	1:		8020B	Total
									Recoverable
Beryllium	5.21		0.500		ug/L	1		6020B	Total
									R ecoverable
Cobalt	15.3		0.500		ug/L	1:		6020B	Total
									Recoverable
Manganese	141		5.00		ug/L	1		6020B	Total
									R ecoverable

Client Sample ID: AF47630

Lab Sample ID: 680-224844-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	85200		500		ug/L	1	=	6010D	Total
									Riecoverable
Iron	2230		100		ug/L	1:		6010D	Total
									Recoverable
Magnesium	1860		500		ug/L	1		6010D	Total
									R ecover <i>a</i> ble
Sodium	12400		2000		ug/L	1		6010D	Total
									R ecover <i>a</i> ble
Manganese	58.1		5.00		ug/L	2		6020A	Dissolved
Lithium	5.79		5.00		ug/L	2		6020A	Dissolved
Iron	1870		50.0		ug/L	2		6020A	Dissolved
Barium	94.8		5.00		ug/L	1		6020B	Total
									Riecoverable
Manganese	56.2		5.00		ug/L	1		6020B	Total
									R ecoverable

Client Sample ID: AF47628

Lab Sample ID: 680-224844-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	486000	100000000000000000000000000000000000000	500	71270-250	ug/L	1		6010D	Total
									R ecover able
Iron	94300		100		ug/L	1		6010D	Total
									Recoverable
Magnesium	52700		500		ug/L	1		6010D	Total
									R ecover able
Potassium	6890		1000		ug/L	1.		6010D	Total
									R ecover able
Sodium	133000		2000		ug/L	1		6010D	Total
									R ecover able
Beryllium	19.6	(0.500		ug/L	2		6020A	Dissolved
Cobalt	40.6		2.00		ug/L	2		6020A	Dissolved
Manganese	1010		5.00		ug/L	2		6020A	Dissolved
Lithium	59.8		5.00		ug/L	2		6020A	Dissolved
Iron	98800		50.0		ug/L	2		6020A	Dissolved
Selenium	14.4		10.0		ug/L	2		6020B	TotaVNA
Barium	41.2		5.00		ug/L	1		60208	Total
									Riecoverable

This Detection Summary does not include radiochemical test results.

Eurofins Savannah

11/22/2022

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Client Sample ID: AF4	ent Sample ID: AF47628 (Continued)							mple ID:	680-224844-12
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	24.5		0.500	77,744,75	ug/L	1		6020B	Total
									Recoverable
Cadmium	1.47		0.500		ug/L	1		6020B	Total
									Riecoverable
Cobalt	50.1		0.500		ug/L	1		6020B	Total
									R ecoverable
Lead	18.7		2.50		ug/L	1		6020B	Total
									Recoverable
Manganese	1250		5.00		ug/L	1		6020B	Total
									Recoverable

lient Sample ID: AF4762	9				Lab !	Sample ID:	680-224844-13
Analyte	Result Qualifier	RL	MDL	Unit	Dil Fac	D Method	Prep Type
Calcium	483000	500	and the second	ug/L	1	6010D	Total
							R ecoverable
Iron	93200	100		ug/L	1	6010D	Total
							R ecoverable
Magnesium	52400	500		ug/L	1	6010D	Total
							R ecoverable
Potassium	6810	1000		ug/L	1	6010D	Total
DOMESTICAL PROPERTY OF THE PRO	879USDER	1000000		000022	201	92293223	Recoverable
Sodium	133000	2000		ug/L	1	6010D	Total
S	ima	0.500		1905.			Recoverable
Beryllium 	20.2	0.500		ug/L	2	6020A	Dissolved
Cobalt	41.7	2.00		ug/L	2	6020A	Dissolved
Manganese	1040	5,00		ug/L	2	6020A	D issolved
Lithium	63.1	5.00		ug/L	2	6020A	Dissolved
Iron	102000	50.0		ug/L	2	6020A	D is solved
Selenium	13.8	5.00		ug/L	2	6020B	TotaVNA
Barium	40.2	5.00		ug/L	1	6020B	Total
				83538			R ecoverable
Beryllium :	23.6	0.500		ug/L	1	6020B	Total
							R ecoverable
Cadmium	1.58	0.500		ug/L	1	6020B	Total
							Recoverable
Cobalt	47.3	0.500		ug/L	10	6020B	Total
							R ecoverable
Lead	17.7	2.50		ug/L	1	6020B	Total
							R ecoverable

lient Sample ID: AF4	17627				Lab	Sa	mple ID: 6	580-224844-14
Analyte	Result Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	1120000	5000		ug/L	10		6010D	Total
								Recoverable
Iron	10200	100		ug/L	1		6010D	Total
								Recoverable
Magnesium	143000	500		ug/L	10		6010D	Total
								Recoverable
Potassium	10400	1000		ug/L	1		6010D	Total
								Recoverable
Sodium	183000	2000		ug/L	1		6010D	Total
								Recoverable
Cobalt	37.0	2.00		ug/L	2		6020A	Dissolved

5.00

ug/L

6020B

1180

This Detection Summary does not include radiochemical test results.

Manganese

Eurofins Savannah

Total Recoverable

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Client Sample ID: AF47627 (Continued) Lab Sample ID: 680-224844-14 Result Qualifier MDL Unit Dil Fac D Method Analyte RL Prep Type Manganese 5130 12.5 ug/L 5 6020A Dissolved 50.7 5.00 2 6020A Lithium ug/L Dissolved Iron 12300 50.0 2 6020A Dissolved ug/L Arsenio 4.35 3.00 ug/L 1 6020B Total Recoverable Barium 56.2 5.00 ug/L 6020B Total Recoverable Cobalt 43.1 0.500 ug/L 6020B Total Recoverable 6170 5.00 6020B Manganese ug/L Total Recoverable

Client Sample ID: AF47626

Lab	Sami	ple ID	: 680	-224844-	15

Analyte	Result	Qualifier RL	MDL	Unit	Dil Fac I) Method	Prep Type
Calcium	1300000	5000	ă.	ug/L	10	6010D	Total
							Riecoverable
Iron	204000	100		ug/L	1	6010D	Total
							R ecoverable
Magnesium	349000	500		ug/L	1:	6010D	Total
							R ecover able
Potassium	20800	1000		ug/L	1	6010D	Total
							R ecover able
Sodium	194000	2000		ug/L	1	6010D	Total
							R ecover able
Cobalt	9.13	2.00		ug/L	2	6020A	Dissolved
Manganese	8830	25.0		ug/L	10	6020A	Dissolved
Iron	219000	250		ug/L	10	6020A	Dissolved
Arsenio	4.83	3.00		ug/L	1	6020B	Total
							Recoverable
Barium	48.3	5.00		ug/L	1	6020B	Total
							R ecoverable
Cobalt	10.4	0.500		ug/L	1	6020B	Total
							Riecoverable
Manganese	10200	5.00		ug/L	1	6020B	Total
							Riecoverable

Client Sample ID: AF47625

Lab Sample ID: 680-224844-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	472000		500		ug/L	1		6010D	Total
									R ecoverable
Iron	15300		100		ug/L	1		6010D	Total
									Riecoverable
Magnesium	15200		500		ug/L	1		6010D	Total
									R ecover able
Potassium	1450		1000		ug/L	1.		6010D	Total
									Recoverable
Sodium	70200		2000		ug/L	1		6010D	Total
									R ecover able
Manganese	517		5.00		ug/L	2		6020A	Dissolved
Iron	14300		50.0		ug/L	2		6020A	Dissolved
Barium	338		5.00		ug/L	1		6020B	Total
									R ecoverable
Manganese	452		5.00		ug/L	1		6020B	Total
									Recoverable

This Detection Summary does not include radio chemical test results.

Eurofins Savannah

11/22/2022

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7

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13

E

il:

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Client Sample ID: AF47624 Lab Sample ID: 680-224844-17 MDL Unit Dil Fac D Method Analyte Result Qualifier RL Prep Type Calcium 152000 500 ug/L 6010D Total Recoverable 1 Iron 120000 100 ug/L 6010D Total Recoverable Total 3990 500 6010D Magnesium ug/L 1 Recoverable Sodium 78700 2000 ug/L 6010D Total 1 Recoverable Beryllium 4.57 0.500 ug/L 2 6020A Dissolved Cobalt 14.3 2.00 ug/L 2 6020A Dissolved 84.2 5.00 ug/L 2 6020A Dissolved Manganese 12.4 5.00 2 6020A Dissolved Lithium ug/L 6020A Iron 118000 50.0 ug/L Dissolved Barium 1540 5.00 ug/L 1 6020B Total Recoverable Beryllium 0.500 6020B 5.20 ug/L 1 Total Recoverable Cobalt 15.1 0.500 ug/L 6020B Total Recoverable Lead 8.81 2.50 ug/L 6020B Total Recoverable 80.3 5.00 6020B Manganese ug/L Total Recoverable

Client Sample ID: AF47	7623
------------------------	------

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	697000		500		ug/L	1	7	6010D	Total
									Recoverable
Iron	13100		100		ug/L	1		6010D	Total
									Recoverable
Magnesium	76500		500		ug/L	1		6010D	Total
									Recoverable
Potassium	8510		1000		ug/L	1		6010D	Total
									Riecoverable
Sodium	129000		2000		ug/L	1		6010D	Total
									Recoverable
Manganese	610		5.00		ug/L	2		6020A	Dissolved
Lithium	19.3		5.00		ug/L	2		6020A	D issolved
Iron	12800		50.0		ug/L	2		6020A	Dissolved
Barium	133		5.00		ug/L	1		60208	Total
									Recoverable
Manganese	660		5.00		ug/L	1		60208	Total

Client Sample ID: AF47622

	***************************************				200000000000000000000000000000000000000			
Analyte	Result	Qualifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	549000	500		ug/L	1	33	6010D	Total
Iron	1230	100		ug/L	1	Ţ,	6010D	R ecoverable Total
								Recoverable
Magnesium	52000	500		ug/L	1		6010D	Total
								R ecoverable
Potassium	3890	1000		ug/L	1	Ü	6010D	Total
								Recoverable

This Detection Summary does not include radiochemical test results.

Total Recoverable

Lab Sample ID: 680-224844-18

Lab Sample ID: 680-224844-19

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Client Sample ID: AF476	S22 (Continued)					Lab	Sa	mple ID: 6	80-224844-1
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	81800	-	2000		ug/L	1		6010D	Total R ecoverable
Cobalt	25.3		2.00		ug/L	2		6020A	Dissolved
Manganese	3290		5.00		ug/L	2		6020A	Dissolved
Lithium	7.09		5.00		ug/L	2		6020A	Dissolved
Iron	1330		50.0		ug/L	2		6020A	Dissolved
Barium	83.8		5.00		ug/L	1:		6020B	Total Riecoverabli
Cobalt	28.6		0.500		ug/L	1		60208	Total R ecoverable
Manganese	3730		5.00		ug/L	1		6020B	Total Riecoverable
lient Sample ID: AF476	559					Lab	Sa	mple ID: 6	80-224844-2
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	81700		500		ug/L	1		6010D	Total R ecoverable
ron	2300		100		ug/L	1		6010D	Total Riecoverabli
Magnesium	2720		500 🖔		ug/L	1:		6010D	Total Riecoverabli
Sodium	14300		2000		ug/L	1		6010D	Total R ecoverable
Cobalt	7.01		2.00		ug/L	2		6020A	Dissolved
Manganese	97.5		5.00		ug/L	2		6020A	Dissolved
ron	2170		50.0		ug/L	2		6020A	Dissolved
9 arium	189		5.00		ug/L	1		6020B	Total R ecoverabl
Cobalt	7.29		0.500		ug/L	1		6020B	Total Recoverabl
Manganese	101		5.00		ug/L	1		6020B	Total R ecoverabl
lient Sample ID: AF476	660					Lab	Sa	mple ID: 6	80-224844-2
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	79400		500		ug/L	1	1	6010D	Total
ron	2250		100		ug/L	ĭ		6010D	R ecoverable Total
Magnesium	2700		500		ug/L	1		6010D	R ecoverabl Total
Sodium	14100		2000		ug/L	1		6010D	R ecoverable Total

This Detection Summary does not include radiochemical test results.

6.68

90.9

1760

191

7.45

104

Cobatt

Iron

Barium

Cobalt

Manganese

Manganese

Eurofins Savannah

Recoverable

Dissolved

Dissolved

Dissolved

Recoverable

Recoverable

Total

Total Recoverable

Total

2.00

5.00

50.0

5.00

0.500

5.00

ug/L

ug/L ug/L

ug/L

ug/L

ug/L

2

2

2

1

1

6020A

6020A

6020A

6020B

6020B

6020B

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Client Sample ID: AF47661						Lab	Sa	mple ID:	680-224844-22
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	115000		500	77777	ug/L	1		6010D	Total
									Riecoverable
Iron	242		100		ug/L	1		6010D	Total
									R ecover able
Magnesium	2480		500		ug/L	1		6010D	Total
									R ecoverable
Potassium	1970		1000		ug/L	1		6010D	Total
									R ecoverable
Sodium	16300		2000		ug/L	1		6010D	Total
									Riecoverable
Cobalt	7.85		2.00		ug/L	2		6020A	Dissolved
Manganese	243		5.00		ug/L	2		6020A	Dissolved
Lithium	5.47		5.00		ug/L	2		6020A	Dissolved
Iron	225		50.0		ug/L	2		6020A	Dissolved
Barium	222		5.00		ug/L	1		6020B	Total
									Recoverable
Cobalt	8.62		0.500		ug/L	1		6020B	Total
									Recoverable
Manganese	256		5.00		ug/L	1		6020B	Total
									Recoverable

lient Sample ID: AF4	7634					Lab	Sa	mpie iu: 6	580-224844-2
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	168000		500		ug/L	1		6010D	Total
									R ecoverable
Magnesium	3000		500		ug/L	1		6010D	Total
									R ecoverable
Sodium	24200		2000		ug/L	1		6010D	Total
									R ecoverable
Cobalt	2.79		2.00		ug/L	2		6020A	Dissolved
Manganese	117		5.00		ug/L	2		6020A	Dissolved
Lithium	9.21		5.00		ug/L	2		6020A	Dissolved
Iron	79.1		50.0		ug/L	2		6020A	Dissolved
Barium	129		5.00		ug/L	1:		6020B	Total
									Recoverable
Cobalt	3,06		0.500		ug/L	1		6020B	Total
									R ecoverable
Manganese	126		5.00		ug/L	1		6020B	Total
									Riecoverable

Client Sample ID: AF47635						Lab	Sa	mple ID: (580-224844-24
Analyte :	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	175000		500		ug/L	1		6010D	Total
									Recoverable
Magnesium	3060		500		ug/L	1		6010D	Total
									Recoverable
Sodium	25000		2000		ug/L	46		6010D	Total
									Recoverable
Cobalt	2.92		2.00		ug/L	2		6020A	D issolved
Manganese	118		5.00		ug/L	2		6020A	Dissolved
Lithium	9.97		5.00		ug/L	2		6020A	Dissolved
Iron	82.0		50.0		ug/L	2		6020A	Dissolved
Barium	134		5.00		ug/L	1		6020B	Total
									R ecoverable

This Detection Summary does not include radiochemical test results.

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Client Sample ID: AF47635 (Co	ntinued)					Lab	Sa	mple ID:	680-224844-24
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	3.13		0.500		ug/L	1		60208	Total R ecoverable
Manganese	130		5.00		ug/L	1		6020B	Total R ecoverable
Client Sample ID: AF47636						Lab	Sa	mple ID:	680-224844-25
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	138000		500		ug/L	1		6010D	Total R ecoverable
Iron	402		100		ug/L	1		6010D	Total R ecoverable
Magnesium	2190		500		ug/L	1		6010D	Total R ecoverable
Sodium	10000		2000		ug/L	1		6010D	Total R ecoverable
Cobalt	3,33		2.00		ug/L	2		6020A	D issolved
Manganese	144		5.00		ug/L	2		6020A	D issolved
Iron	338		50.0		ug/L	2		6020A	D issolved
Barium	184		5.00		ug/L	1		6020B	Total R ecoverable
Cobalt	3.64		0.500		ug/L	1		60208	Total R ecoverable
Manganese	157		5.00		ug/L	1		6020B	Total R ecoverable
Client Sample ID: AF47637						Lab	Sa	mple ID:	680-224844-26
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	222000		500		ug/L	1		6010D	Total

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	222000		500		ug/L	1		6010D	Total
									Riecoverable
Iron	2080		100		ug/L	1		6010D	Total
									Recoverable
Magnesium	7110		500		ug/L	1		6010D	Total
									Recoverable
Sodium	7350		2000		ug/L	1		6010D	Total
									R ecoverable
Cobalt	13.7		2.00		ug/L	2		6020A	Dissolved
Manganese	664		5.00		ug/L	2		6020A	Dissolved
Iron	1970		50.0		ug/L	2		6020A	Dissolved
Barium	80.4		5.00		ug/L	1		6020B	Total
									R ecoverable
Cobalt	14.2		0.500		ug/L	1		60208	Total
									Riecoverable
Manganese	693		5.00		ug/L	1		6020B	Total
									R ecoverable

ment sample ib. At 41000	3				L. W. D.	o a.	illipic ib.	300-22-10-1-2
Analyte	Result Qua	alifier RL	MDL	Unit	Dil Fac	D I	Method	Prep Type
Calcium	130000	500		ug/L	1	- 6	3010D	Total
								Riecoverable
Magnesium	3140	500		ug/L	1	(3010D	Total
								R ecover able
Sodium	11800	2000		ug/L	1	- 6	3010D	Total
								R ecoverable
Manganese	7.64	5.00		ug/L	2		3020A	Dissolved

This Detection Summary does not include radiochemical test results.

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

lient Sample ID: AF47638 (C	ontinued)					Lab	Sa	mple ID: 6	80-224844-2
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	61.6	-	5.00		ug/L	1		6020B	Total
									Riecoverable
Manganese	8.26		5.00		ug/L	1		60208	Total
									R ecoverable
lient Sample ID: AF47643						Lab	Sa	mple ID: 6	80-224844-2
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	13500		500		ug/L	1		6010D	Total
A B SOOR - MARK			500		000 0 0	-		00400	R ecover able
Magnesium	922		500		ug/L	1		6010D	Total R ecoverable
Potassium	2270		1000		ug/L	1		6010D	K ecoverable Total
otassium	22.70		1000		ug/L	35		00100	R ecoverable
Sodium	6800		2000		ug/L	1		6010D	Total
0.00	~~				-3	220			R ecoverable
Manganese	10.4		5.00		ug/L	2		6020A	Dissolved
Barium	132		5.00		ug/L	1		6020B	Total
23.73.11	1,7,32		.,		-3	2.0			Recoverable
Cobalt	0.860		0.500		ug/L	1		60208	Total
					3542533				Riecoverable
Manganese	8.61		5.00		ug/L	1		6020B	Total
									Recoverable
lient Sample ID: AF47644						Lab	Sa	mple ID: 6	80-224844-2
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	14400		500		ug/L	1		6010D	Total
									R ecover able
Magnesium	979		500		ug/L	1		6010D	Total
24 3	0.400		4000			30		00400	R ecoverable
Potassium	2400		1000		ug/L	1		6010D	Total
Sodium	7190		2000		ug/L	1		6010D	R ecoverable Total
Souldin	/180		2000		ug/L			00100	R ecoverable
Manganese	6.63		5.00		ug/L	2		6020A	Dissolved
Barium	138		5.00		ug/L	1		6020B	Total
Danum	- 130		330		ug/L	41/		00208	Recoverable
Beryllium	0.740		0.500		ug/L	1		6020B	Total
THE ENGLISH					1000000				R ecoverable
Cobalt	0.905		0.500		ug/L	1		6020B	Total
					0.5740				Riecoverable
Manganese	7.44		5.00		ug/L	1		60208	Total
									R ecover able
lient Sample ID: AF47631						Lab	Sa	mple ID: 6	80-224844-
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	41600		500		ug/L	1	-	6010D	Total
									Riecoverable
ron -	8980		100		ug/L	1		6010D	Total
									Riecoverable
Magnesium	2680		500		ug/L	1		6010D	Total
									R ecover able
Potassium	1720		1000		ug/L	1		6010D	Total
									P acover able

This Detection Summary does not include radiochemical test results.

6460

Sodium

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11/22/2022

Total Recoverable

6010D

Recoverable

2000

ug/L

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

lient Sample ID: AF47631 (Co	munuea)					Lab	58	inbie in: 6	680-224844-3
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	162	-	5.00		ug/L	2		6020A	Dissolved
ron	7800		50.0		ug/L	2		6020A	Dissolved
9 arium	170		5.00		ug/L	1		6020B	Total
					10.5/A.				Recoverable
Manganese	88.3		5.00		ug/L	1		6020B	Total
									R ecoverable
lient Sample ID: AF47655						Lab	Sa	mple ID: 6	80-224844-3
Inalyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
alcium	15700		500		ug/L	1		6010D	Total
									R ecoverable
ron	341		100		ug/L	1:		6010D	Total
									Recoverable
odium	4060		2000		ug/L	1		6010D	Total
-CPSC00000000000	77924		1727227		000720	_			Recoverable
Manganese	192		5.00		ug/L	2		6020A	Dissolved
on	366		50.0		ug/L	2		6020A	D issolved
arium	38.6		5.00		ug/L	1		6020B	Total
									R ecover able
obalt	1.19		0.500		ug/L	1		6020B	Total
288.653.652	5320.00		KECAS		100000	60		- CONTRACTOR	R ecoverable
Manganese	198		5.00		ug/L	1		6020B	Total
									R ecover able
lient Sample ID: AF47662						Lab	Sa	mple ID: 6	80-224844-3
nalyte		Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	16100		500		ug/L	1		6010D	Total
	2228		308		48			222222	R ecover able
Magnesium	5150		500		ug/L	1		6010D	Total
	7000		100000000		0100429-	191		22070200	Recoverable
otassium	1230		1000		ug/L	1		6010D	Total
odium	2540		2000		mad:	1		6010D	R ecover able
odium	2540		2000		ug/L	31.		00100	Total Riecoverable
leryllium	3.84		0.500		ug/L	2		6020A	D issolved
Cobalt	30.5		2.00			2		6020A	Dissolved
					ug/L				
Manganese	40.5		5.00		ug/L	2		6020A	Dissolved
ron	172		50.0		ug/L	2		6020A	Dissolved
9 arium	48.1		5.00		ug/L	1		6020B	Total
	1-9/202		20222		000720				R ecoverable
9 eryllium	4.07		0.500		ug/L	1		6020B	Total
			0.500					ecc.op	R ecoverable
Cobalt	32.6		0.500		ug/L	1		6020B	Total
800	202		2.50			2		e0000	R ecoverable
ead	2.63		2.50		ug/L	1		6020B	Total
Azna znoco	37.9		5.00		und	1:		6020B	R ecover able Total
Manganese	37.9		3,00		ug/L	40		0020B	rotar Riecoverable
						Lab	Sa	mple ID: 6	80-224844-3
lient Sample ID: AF47663									
100	D4	Ountitie -	DI	MBI	11=:4	45545544	227.54		10 100
inalyte	Result 11500	Qualifier	RL 500	MDL	Unit ug/L	45545544	227.54	Method 6010D	Prep Type Total

This Detection Summary does not include radiochemical test results.

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Lab Sample ID: 680-224844-33 Client Sample ID: AF47663 (Continued) Result Qualifier RL MDL Unit Dil Fac D Method Prep Type Iron 136 100 ug/L 6010D Total Recoverable Magnesium 617 500 ug/L 1 6010D Total Recoverable 2000 Sodium 6350 6010D Total 1 ug/L Recoverable Cobalt 9.36 2.00 ug/L 2 6020A Dissolved Manganese 478 5.00 ug/L 2 6020A Dissolved Iron 143 50.0 ug/L 2 6020A Dissolved Barium 5.00 6020B 40.5 ug/L Total 1 Recoverable 9.60 0.500 6020B Cobalt 1 ug/L Total Recoverable Manganese 517 5.00 ug/L 1 6020B Total Recoverable Client Sample ID: AF47658 Lab Sample ID: 680-224844-34 Result Qualifier MDL Unit Dil Fac D Method Analyte RL Prep Type 1260000 10 6010D Total Calcium 5000 ug/L Recoverable 3090 6010D Iron 100 ug/L 1 Total Recoverable 144000 500 6010D Total Magnesium ug/L 1 Recoverable Potassium 8560 1000 ug/L 6010D Total Recoverable Sodium 202000 2000 ug/L 1 6010D Total Recoverable Manganese 5950 12.5 ug/L 5 6020A Dissolved 19.2 5.00 ug/L 2 6020A Dissolved Lithium 3030 2 Iron 50.0 6020A Dissolved ug/L Barium 60.1 1 6020B Total 5.00 ug/L Recoverable Cobalt 1.15 0.500 ug/L 1 6020B Total Recoverable Manganese 6800 5.00 ug/L 1 6020B Total Recoverable Client Sample ID: AF47639 Lab Sample ID: 680-224844-35 Analyte Result Qualifier RL MDL Unit Dil Fac D Method Prep Type

Calcium	274000	500	ug/L	1	6010D	Total
						Recoverable
Iron	1750	100	ug/L	1	6010D	Total
						R ecoverable
Magnesium	4760	500	ug/L	1.	6010D	Total
						Recoverable
Sodium	19900	2000	ug/L	1	6010D	Total
						R ecoverable
Cobalt	4.55	2.00	ug/L	2	6020A	D issolved
Manganese	305	5.00	ug/L	2	6020A	Dissolved
Iron	1490	50.0	ug/L	2	6020A	D issolved
Barium	126	5.00	ug/L	1	6020B	Total
						Recoverable
Cobalt	4.20	0.500	ug/L	1	6020B	Total
						Recoverable

This Detection Summary does not include radiochemical test results.

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

lient Sample ID: AF47639 (Co	ntinuea)					Lab	52	unpie iu: (80-224844-3
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
vlanganes e	305		5.00		ug/L	1		60208	Total Recoverable
lient Sample ID: AF47645						Lab	Sa	ample ID: 6	80-224844-3
Instite	Pogult	Qualifier	RL	MDL	∴Hei+°	Dil Fac	D	Method	Prep Type
Analyte Calcium	393000	Qualifier	500	MDL	ug/L	1	-	6010D	Total
Jaiolotti (383000		300		ug/L			00100	R ecoverable
ron	9740		100		ug/L	1		6010D	Total
									R ecoverable
/lagnesium	10200		500		ug/L	1:		6010D	Total
AND CONTRACTOR	SUCCESS.		0.52 2444		2006-5-5	50		100 MEDIA	Recoverable
Potassium	4370		1000		ug/L	1		6010D	Total
SEGREEN SEGREEN	50400		2000			20		8040D	R ecoverable Total
Sodium	52100		2000		ug/L	1		6010D	rotal Recoverable
Manganese	701		5.00		ug/L	2		6020A	Dissolved
.ithium	27.6		5.00		ug/L	2		6020A	Dissolved
ron	8850		50.0		ug/L	2		6020A	D issolved
Parium	333		5.00		ug/L	1		6020B	Total
oanum	333		3.00		ug/L	.10		0020B	R ecoverable
Cobalt	0.580		0.500		ug/L	1		60208	Total
					N:(*02)				Recoverable
Manganese	714		5.00		ug/L	10		6020B	Total
									Recoverable
lient Sample ID: AF47641						Lab	Sa	ample ID: 6	80-224844-3
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	273000		500		ug/L	1		6010D	Total
	ovi s bron		0.0000		00000204	Let		was a second	Recoverable
ron	494		100		ug/L	1		6010D	Total
Magnesium	4570		500 %		wed.	1		6010D	R ecoverable Total
nagriesium	4070		300		ug/L	II.		00100	Recoverable
Potassium	2330		1000		ug/L	1		6010D	Total
3.2.3.0			9 (1855 To C		-9			300.000	R ecoverable
Godium	66800		2000		ug/L	1:		6010D	Total
									Recoverable
Cobalt	56.7		2.00		ug/L	2		6020A	Dissolved
Manganese	17 10		5.00		ug/L	2		6020A	Dissolved
_ithium	8.26		5.00		ug/L	2		6020A	Dissolved
ron	532		50.0		ug/L	2		6020A	D issolved
9 arium	121		5.00		ug/L	1		6020B	Total
									Recoverable
Cobalt	60.0		0.500		ug/L	1		6020B	Total
									R ecover able
Manganese	1840		5.00		ug/L	1.		6020B	Total
									Recoverable
lient Sample ID: AF47642						Lab	Sa	ample ID: 6	80-224844-3
nalyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	450000		500		ug/L	1		6010D	Total
									Recoverable
ron	13500		100		ug/L	1		6010D	Total

This Detection Summary does not include radio chemical test results.

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

lient Sample ID: AF47642 (Co	ntinued)					Lab	Sa	mple ID:	680-224844-3
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	8030	-	500	9.000	ug/L	1		6010D	Total R ecoverable
otassium	1230		1000		ug/L	1		6010D	Total
									R ecover able
odium	70600		2000		ug/L	1		6010D	Total R ecover <i>a</i> ble
Cobalt	3.16		2.00		ug/L	2		6020A	Dissolved
Manganese	676		5.00		ug/L	2		6020A	Dissolved
ithium	6.35		5.00		ug/L	2		6020A	Dissolved
ron	13700		50.0		ug/L	2		6020A	Dissolved
arium	58.1		5.00		ug/L	1		6020B	Total
- Sanam			0.00		- Jane			00200	Recoverable
Cobalt	3.07		0.500		ug/L	1		6020B	Total R ecoverable
danganese	673		5.00		ug/L	1		6020B	Total R ecoverabl
lient Sample ID: AF47640						Lab	Sa	mple ID:	680-224844-
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	164000		500		ug/L	1		6010D	Total
					25				Recoverabl
fagnesium .	7410		500		ug/L	1		6010D	Total R ecoverabl
Sodium	48100		2000		ug/L	1		6010D	Total R ecoverabl
vlanganese	14.5		5.00		ug/L	2		6020A	Dissolved
arium (106		5.00		ug/L	1		6020B	Total R ecoverabl
Cobalt	0.955		0.500		ug/L	1		6020B	Total R ecoverabl
Manganese	15.7		5.00		ug/L	1		6020B	Total Riecoverabl
lient Sample ID: AF47653						Lab	Sa	mple ID:	680-224844-
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	21800		500		ug/L	1		6010D	Total R ecoverable
ron	155		100		ug/L	1		6010D	Total R ecoverabl
Magnesium	913		500		ug/L	1		6010D	Total R ecover abl
Potassium	1080		1000		ug/L	1		6010D	Total Riecoverabli
Sodium	3870		2000		ug/L	1		6010D	Total R ecoverabl
Manganese	198		5.00		ug/L	2		6020A	Dissolved
ron	181		50.0		ug/L	2		6020A	Dissolved
arium (77.8		5.00		ug/L	1		6020B	Total R ecoverabl
			0.500		mmean:				

This Detection Summary does not include radiochemical test results.

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Cobalt

Manganese

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Total Recoverable

Total Recoverable

6020B

6020B

0.500

5.00

ug/L

ug/L

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Client Sample ID: AF47654						Lab	Sa	imple ID: 6	580-224844-4
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	51400		500		ug/L	1		6010D	Total
									Recoverable
Iron	1100		100		ug/L	1		6010D	Total
									R ecoverable
Magnesium	1270		500		ug/L	1		6010D	Total
									R ecoverable
Potassium	1080		1000		ug/L	1		6010D	Total
									Recoverable
Sodium	3340		2000		ug/L	1		6010D	Total
									Riecoverable
Manganese	113		5.00		ug/L	2		6020A	Dissolved
Iron	437		50.0		ug/L	2		6020A	Dissolved
Barium	40.3		5.00		ug/L	1:		6020B	Total
									R ecoverable
Manganese	114		5.00		ug/L	1		6020B	Total
									Recoverable

Client Sample ID: AF47	7657				Lab	Sa	imple ID: 6	680-224844-42
Analyte	Result Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	6360	500		ug/L	1		6010D	Total
								R ecoverable
Iron	886	100		ug/L	1:		6010D	Total
								Recoverable
Sodium	3550	2000		ug/L	1		6010D	Total
								Recoverable
Manganese	43.4	5.00		ug/L	2		6020A	D issolved
Iron	931	50.0		ug/L	2		6020A	Dissolved
Barium	17.2	5.00		ug/L	1		6020B	Total
								Recoverable
Cobalt	2.06	0.500		ug/L	1		6020B	Total
								Recoverable
Manganese	47.2	5.00		ug/L	1		6020B	Total
								Riecoverable

Analyte Result Qualifier RL MDL Calcium 2020 500 Iron 383 100 Sodium 4040 2000 Cobalt 12.5 2.00 Manganese 77.3 5.00 Iron 597 50.0 Barium 31.1 5.00 Benyllium 0.750 0.500	Urit ug/L ug/L ug/L ug/L ug/L	Dil Fac I 1 1 1	6010D 6010D 6010D 6010D	Prep Type Total R ecoverable Recoverable Total Rotal Recoverable Rissolved
Iron 383 100 Sodium 4040 2000 Cobalt 12.5 2.00 Manganese 77.3 5.00 Iron 597 50.0 Barium 31.1 5.00	ug/L ug/L ug/L	1 2	6010D 6010D	R ecover able Total R ecover able Total R ecover able
Fron 383 100 Sodium 4040 2000 Cobalt 12.5 2.00 Manganese 77.3 5.00 ron 597 50.0 Barium 31.1 5.00	ug/L ug/L	1 2	6010D	R ecoverabl Total R ecoverabl
Cobalt 12.5 2.00 Manganese 77.3 5.00 ron 597 50.0 Parium 31.1 5.00	ug/L	2		Total R ecoverabl
Cobalt 12.5 2.00 Manganese 77.3 5.00 ron 597 50.0 Parium 31.1 5.00	ug/L	2		Recoverabl
Manganese 77.3 5.00 ron 597 50.0 9arium 31.1 5.00		2	6020A	
Manganese 77.3 5.00 Iron 597 50.0 Barium 31.1 5.00			6020A	Dissolved
ron 597 50.0 Parium 31.1 5.00	und	_		
Barium 31.1 5.00	-9	2	6020A	Dissolved
	ug/L	2	6020A	Dissolved
9eryllium 0.750 0.500	ug/L	1.	6020B	Total
Beryllium 0.750 0.500				Recoverabl
	ug/L	1	6020B	Total
				R ecover ab l
Cobalt 15.4 0.500	ug/L	1	6020B	Total
				Recoverabl
vlanganese 84.4 5.00	ug/L	1	6020B	Total

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Client Sample ID: AF47656

Job ID: 680-224844-1

Lab Sample ID: 680-224844-44

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	59600		500		ug/L	1		6010D	Total
									Recoverable
Iron	513		100		ug/L	1		6010D	Total
									Recoverable
Magnesium	1520		500		ug/L	1		6010D	Total
									Riecoverable
Sodium	7450		2000		ug/L	1		6010D	Total
									Recoverable
Manganese	161		5.00		ug/L	2		6020A	Dissolved
Iron	235		50.0		ug/L	2		6020A	Dissolved
Barium	56.6		5.00		ug/L	1		6020B	Total
									Recoverable
Cobalt	0.765		0.500		ug/L	1		6020B	Total
									R ecoverable
Manganese	179		5.00		ug/L	1		6020B	Total
									R ecoverable

This Detection Summary does not include radiochemical test results.

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Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Lab Sample ID: 680-224844-1

Matrix: Water

Client Sample ID: AF47633 Date Collected: 10/25/22 09:27 Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Calcium	13100		500		ug/L		11/08/22 04:59	11/08/22 23:10	
Iron	10900		100		ug/L		11/08/22 04:59	11/08/22 23:10	
Magnesium	647		500		ug/L		11/08/22 04:59	11/08/22 23:10	
Potassium	1000	Ú	1000		ug/L		11/08/22 04:59	11/08/22 23:10	
Sodium	5680		2000		ug/L		11/08/22 04:59	11/08/22 23:10	
Method: SW846 6020A - M	etals (ICP/MS) - Diss	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:09	11/14/22 15:45	
Cobalt	3.42		2.00		ug/L		11/10/22 14:09	11/14/22 15:45	
Manganese	13.0		5.00		ug/L		11/10/22 14:09	11/14/22 15:45	
Lithiu m	808		5.00		ug/L		11/10/22 14:09	11/14/22 15:45	
Iron	10900		50.0		ug/L		11/10/22 14:09	11/14/22 15:45	
Method: SW846 6020B - M	etals (ICP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Selenium	10.0	U	10.0		ug/L		11/10/22 14:04	11/14/22 20:20	
Method: SW846 6020B - M	etals (ICP/MS) - Total	Recoverable	9						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Antimony	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:00	
Arsenic	3.00	U	3.00		ug/L		11/08/22 04:59	11/09/22 17:00	
Barium e	85.1		5.00		ug/L		11/08/22 04:59	11/09/22 17:00	
Beryllium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:00	
Cadmium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:00	
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:00	
Cobalt	1.89		0.500		ug/L		11/08/22 04:59	11/09/22 17:00	
Lead	2.50	U	2.50		ug/L		11/08/22 04:59	11/09/22 17:00	
Manganese	12.9		5.00		ug/L		11/08/22 04:59	11/09/22 17:00	

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Lab Sample ID: 680-224844-2

Matrix: Water

Client Sample ID: AF47632 Date Collected: 10/25/22 10:34

Method: SW846 6010D - N	Metals (ICP) - Total Re	coverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	27500		500		ug/L		11/08/22 04:59	11/08/22 23:19	1
Iron	100	U	100		ug/L		11/08/22 04:59	11/08/22 23:19	1
Magnesium	1820		500		ug/L		11/08/22 04:59	11/08/22 23:19	1
Potassium	1000	Ú	1000		ug/L		11/08/22 04:59	11/08/22 23:19	
Sodium	5740		2000		ug/L		11/08/22 04:59	11/08/22 23:19	3
Method: SW846 6020A - N	Metals (ICP/MS) - Diss	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Pad
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:09	11/14/22 15:59	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:09	11/14/22 15:59	2
Manganese	12.9		5.00		ug/L		11/10/22 14:09	11/14/22 15:59	- 2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:09	11/14/22 15:59	3
Iron	264		50.0		ug/L		11/10/22 14:09	11/14/22 15:59	3
Method: SW846 6020B - N	Metals (ICP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	10.0	U	10.0		ug/L		11/10/22 14:04	11/14/22 20:23	1
Method: SW846 6020B - N	Metals (ICP/MS) - Total	Recoverable	i I						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Antimony	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:08	
Arsenio	3.00	U	3.00		ug/L		11/08/22 04:59	11/09/22 17:08	
Barium	46.6		5.00		ug/L		11/08/22 04:59	11/09/22 17:08	
Beryllium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:08	
Cadmium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:08	
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:08	
Cobalt	0.625		0.500		ug/L		11/08/22 04:59	11/09/22 17:08	
Lead	320		2.50		ug/L		11/08/22 04:59	11/09/22 17:08	
Manganese	14.5		5.00		ug/L		11/08/22 04:59	11/09/22 17:08	5.6
Thallium	1.00	U:	1.00		ug/L		11/08/22 04:59	11/09/22 17:08	á.

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Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Lab Sample ID: 680-224844-3

Matrix: Water

Client Sample ID: AF47651 Date Collected: 10/25/22 11:10 Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Caldium	370000		500		ug/L		11/08/22 04:59	11/08/22 23:22	
Iron	30400		100		ug/L		11/08/22 04:59	11/08/22 23:22	
Magnesium	13100		500		ug/L		11/08/22 04:59	11/08/22 23:22	
Potassium	1830		1000		ug/L		11/08/22 04:59	11/08/22 23:22	
Sodium	87000		2000		ug/L		11/08/22 04:59	11/08/22 23:22	
Method: SW846 6020A - Met	als (ICP/MS) - Disse	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil R
Beryllium	24.8		0.500		ug/L		11/10/22 14:09	11/14/22 16:13	
Cobalt	133		2.00		ug/L		11/10/22 14:09	11/14/22 16:13	
Manganese	140		5.00		ug/L		11/10/22 14:09	11/14/22 16:13	
Lithiu m	106		5.00		ug/L		11/10/22 14:09	11/14/22 16:13	
ron	33500		50.0		ug/L		11/10/22 14:09	11/14/22 16:13	
Method: SW846 6020B - Met	als (ICP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Belenium	2.50	U	2.50		ug/L		11/10/22 14:04	11/14/22 20:50	
Method: SW846 6020B - Met	als (ICP/MS) - Total	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Antimony	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:11	
Arsenic	3.00	U	3.00		ug/L		11/08/22 04:59	11/09/22 17:11	
Barium Barium	465		5.00		ug/L		11/08/22 04:59	11/09/22 17:11	
Beryllium	27.0		0.500		ug/L		11/08/22 04:59	11/09/22 17:11	
Cadmium	0.580		0.500		ug/L		11/08/22 04:59	11/09/22 17:11	
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:11	
Cobalt	156		0.500		ug/L		11/08/22 04:59	11/09/22 17:11	
.ead	2.85		2.50		ug/L		11/08/22 04:59	11/09/22 17:11	
Manganese	162		5.00		ug/L		11/08/22 04:59	11/09/22 17:11	
the Santage	101				-0:-				

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Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Lab Sample ID: 680-224844-4

Matrix: Water

Client Sample ID: AF47650

Date Collected: 10/25/22 12:46 Date Received: 11/05/22 11:38

ate Received: 11/05/22 11	1								
Method: SVV846 6010D - N Analyte	are and the series of the control of the series of the ser	coverable Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Calcium	231000	Qualifici	500	moc.	ug/L		11/08/22 04:59	11/08/22 23:25	
ron	81000		100		ug/L		11/08/22 04:59	11/08/22 23:25	
Magnesium	12000		500		ug/L		11/08/22 04:59	11/08/22 23:25	
Potassium	2460		1000		ug/L		11/08/22 04:59	11/08/22 23:25	
Sodium	67700		2000		ug/L		11/08/22 04:59	11/08/22 23:25	
Method: SW846 6020A - N	Metals (ICP/MS) - Diss	olved							
Nnalyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil
Beryllium	16.4	-	0.500		ug/L		11/10/22 14:09	11/14/22 16:16	
obalt	38.1		2.00		ug/L		11/10/22 14:09	11/14/22 16:16	
fanganese	280		5.00		ug/L		11/10/22 14:09	11/14/22 16:16	
ithiu m	54.5		5.00		ug/L		11/10/22 14:09	11/14/22 16:16	
on	86500		50.0		ug/L		11/10/22 14:09	11/14/22 16:16	
Method: SW846 6020B - N	Metals (ICP/MS)								
nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil
elenium	8.56		5.00		ug/L		11/10/22 14:04	11/14/22 20:54	
Method: SW846 6020B - N	Metals (ICP/MS) - Total	Recoverable	9						
nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil
.ntimo ny	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:14	
rsenio	4.10		3.00		ug/L		11/08/22 04:59	11/09/22 17:14	
arium	30.6		5.00		ug/L		11/08/22 04:59	11/09/22 17:14	
eryllium	18.8		0.500		ug/L		11/08/22 04:59	11/09/22 17:14	
admium	0.805		0.500		ug/L		11/08/22 04:59	11/09/22 17:14	
hromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:14	
obalt	41.5		0.500		ug/L		11/08/22 04:59	11/09/22 17:14	
ead	13.4		2.50		ug/L		11/08/22 04:59	11/09/22 17:14	
Manganese Manganese	316		5.00		ug/L		11/08/22 04:59	11/09/22 17:14	
Thallium	1.00	U	1.00		ug/L		11/08/22 04:59	11/09/22 17:14	

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Lab Sample ID: 680-224844-5

Matrix: Water

Client Sample ID: AF47649

Date Collected: 10/25/22 14:11 Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Caldium	415000		500		ug/L		11/08/22 04:59	11/08/22 23:34	
ron	171000		100		ug/L		11/08/22 04:59	11/08/22 23:34	
Magnesium	20600		500		ug/L		11/08/22 04:59	11/08/22 23:34	
Potassium	2300		1000		ug/L		11/08/22 04:59	11/08/22 23:34	
Sodium	73300		2000		ug/L		11/08/22 04:59	11/08/22 23:34	
Method: SW846 6020A - N	Metals (ICP/MS) - Diss	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Pa
Beryllium	30.8	-	0.500		ug/L		11/10/22 14:09	11/14/22 16:20	
Cobalt	82.8		2.00		ug/L		11/10/22 14:09	11/14/22 16:20	
Manganese	411		5.00		ug/L		11/10/22 14:09	11/14/22 16:20	
Lithium	65.1		5.00		ug/L		11/10/22 14:09	11/14/22 16:20	
ron	192000		50.0		ug/L		11/10/22 14:09	11/14/22 16:20	
Method: SW846 6020B - N	Metals (ICP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Selenium	18.9		5.00		ug/L		11/10/22 14:04	11/14/22 20:57	
Method: SW846 6020B - N	Metals (ICP/MS) - Total	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil P
Antimony	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:16	
Arsenic	6.53		3.00		ug/L		11/08/22 04:59	11/09/22 17:16	
Barium	42.2		5.00		ug/L		11/08/22 04:59	11/09/22 17:16	
Beryllium	34.5		0.500		ug/L		11/08/22 04:59	11/09/22 17:16	
Cadmium	1.87		0.500		ug/L		11/08/22 04:59	11/09/22 17:16	
Chromium	8.79		5.00		ug/L		11/08/22 04:59	11/09/22 17:16	
Cobalt	95.6		0.500		ug/L		11/08/22 04:59	11/09/22 17:16	
Lead	29.8		2.50		ug/L		11/08/22 04:59	11/09/22 17:16	
Manganese	471		5.00		ug/L		11/08/22 04:59	11/09/22 17:16	

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Client Sample ID: AF47647

Date Collected: 10/25/22 15:16 Date Received: 11/05/22 11:38 Lab Sample ID: 680-224844-6

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Calcium	214000		500		ug/L		11/08/22 04:59	11/08/22 23:37	
Iron	63500		100		ug/L		11/08/22 04:59	11/08/22 23:37	
Magnesium	18600		500		ug/L		11/08/22 04:59	11/08/22 23:37	
Potassium	2350		1000		ug/L		11/08/22 04:59	11/08/22 23:37	
Sodium	8250		2000		ug/L		11/08/22 04:59	11/08/22 23:37	
Method: SW846 6020A - M	letals (ICP/MS) - Diss	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Pa
Beryllium	3.74		0.500		ug/L		11/10/22 14:09	11/14/22 16:23	- 3
Cobalt	19.4		2.00		ug/L		11/10/22 14:09	11/14/22 16:23	
Manganese	289		5.00		ug/L		11/10/22 14:09	11/14/22 16:23	
Lithiu m	15.1		5.00		ug/L		11/10/22 14:09	11/14/22 16:23	
Iron	71400		50.0		ug/L		11/10/22 14:09	11/14/22 16:23	
Method: SW846 6020B - M	letals (ICP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Selenium	27.3		5.00		ug/L		11/10/22 14:04	11/14/22 21:01	
Method: SW846 6020B - M	letals (ICP/MS) - Total	Recoverable	i e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Antimony	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:25	
Arsenic	3.00	U	3.00		ug/L		11/08/22 04:59	11/09/22 17:25	
Barium	18.3		5.00		ug/L		11/08/22 04:59	11/09/22 17:25	
Beryllium	4.32		0.500		ug/L		11/08/22 04:59	11/09/22 17:25	
Cadmium	1.38		0.500		ug/L		11/08/22 04:59	11/09/22 17:25	
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:25	
Cobalt	21.5		0.500		ug/L		11/08/22 04:59	11/09/22 17:25	
Lead	25.1		2.50		ug/L		11/08/22 04:59	11/09/22 17:25	
Manganese	325		5.00		ug/L		11/08/22 04:59	11/09/22 17:25	
Thallium	1.00	DE.	1.00		ug/L		11/08/22 04:59	11/09/22 17:25	

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Lab Sample ID: 680-224844-7

Matrix: Water

Client Sample ID: AF47648 Date Collected: 10/25/22 15:21

Date Received: 11/05/22 11:38

Method: SW846 6010D - M				MP	0.54	6			Dil 5
Analyte		Qualifier	RL	MDL	100.000	D	Prepared	Analyzed	Dil Fa
Caldium	213000		500		ug/L		11/08/22 04:59	11/08/22 23:40	
ron	62800		100		ug/L		11/08/22 04:59	11/08/22 23:40	
Magnesium	18600		500		ug/L		11/08/22 04:59	11/08/22 23:40	
Potassium	2310		1000		ug/L		11/08/22 04:59	11/08/22 23:40	
Sodium	8230		2000		ug/L		11/08/22 04:59	11/08/22 23:40	
Method: SW846 6020A - M									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Pa
Beryllium	3.71		0.500		ug/L		11/10/22 14:09	11/14/22 16:26	
Cobalt	18.7		2.00		ug/L		11/10/22 14:09	11/14/22 16:26	
Manganese	284		5.00		ug/L		11/10/22 14:09	11/14/22 16:26	
Lithiu m	15.3		5.00		ug/L		11/10/22 14:09	11/14/22 16:26	
ron	68100		50.0		ug/L		11/10/22 14:09	11/14/22 16:26	
Method: SW846 6020B - M	etals (ICP/MS)								
Nnalyte National Control	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil R
Selenium	28.0		5.00		ug/L		11/10/22 14:04	11/14/22 21:04	
Method: SW846 6020B - M	etals (ICP/MS) - Total	Recoverable	9						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil P
Antimony	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:27	
Arsenic	3.00	U	3.00		ug/L		11/08/22 04:59	11/09/22 17:27	
Barium	17.8		5.00		ug/L		11/08/22 04:59	11/09/22 17:27	
Beryllium	4.00		0.500		ug/L		11/08/22 04:59	11/09/22 17:27	
Cadmium	1.72		0.500		ug/L		11/08/22 04:59	11/09/22 17:27	
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:27	
Cobalt	20.4		0.500		ug/L		11/08/22 04:59	11/09/22 17:27	
.ead	24.3		2.50		ug/L		11/08/22 04:59	11/09/22 17:27	
	011		5.00		ug/L		11/08/22 04:59	11/09/22 17:27	
Manganese 💮 💮	314		0.00		ugan		11/00/22 04/00	TITOOTEE IT LET	

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Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Lab Sample ID: 680-224844-8

Matrix: Water

Client Sample ID: AF47652 Date Collected: 10/26/22 09:24 Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Caldium	320000		500		ug/L		11/08/22 04:59	11/08/22 23:43	
Iron	114000		100		ug/L		11/08/22 04:59	11/08/22 23:43	
Magnesium	68200		5000		ug/L		11/08/22 04:59	11/09/22 15:44	10
Potassium	4210		1000		ug/L		11/08/22 04:59	11/08/22 23:43	
Sodium	80200		20000		ug/L		11/08/22 04:59	11/09/22 15:44	1
Method: SW846 6020A - N	letals (ICP/MS) - Diss	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Beryllium	11.7		0.500		ug/L		11/10/22 14:09	11/14/22 16:30	
Cobalt	68.3		2.00		ug/L		11/10/22 14:09	11/14/22 16:30	
Manganese	885		5.00		ug/L		11/10/22 14:09	11/14/22 16:30	
Lithiu m	13.7		5.00		ug/L		11/10/22 14:09	11/14/22 16:30	
Iron	141000		50.0		ug/L		11/10/22 14:09	11/14/22 16:30	
Method: SW846 6020B - N	fetals (ICP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Selenium	46.4		5.00		ug/L		11/10/22 14:04	11/14/22 21:08	
Method: SW846 6020B - M	letals (ICP/MS) - Total	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Antimony	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:30	
Arsenio	6.21		3.00		ug/L		11/08/22 04:59	11/09/22 17:30	
Barium	28.1		5.00		ug/L		11/08/22 04:59	11/09/22 17:30	
Beryllium	11.7		0.500		ug/L		11/08/22 04:59	11/09/22 17:30	
Cadmium	3.19		0.500		ug/L		11/08/22 04:59	11/09/22 17:30	
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:30	
Cobalt	79.7		0.500		ug/L		11/08/22 04:59	11/09/22 17:30	
Lead	55.1		2.50		ug/L		11/08/22 04:59	11/09/22 17:30	
Manganese	1050		5.00		ug/L		11/08/22 04:59	11/09/22 17:30	
Thallium	1.00	EE.	1.00		ug/L		11/08/22 04:59	11/09/22 17:30	

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Lab Sample ID: 680-224844-9

Matrix: Water

Date Collected: 10/26/22 10:30 Date Received: 11/05/22 11:38

Client Sample ID: AF47646

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Caldium	193000		500		ug/L		11/08/22 04:59	11/08/22 23:46	
Iron	133000		100		ug/L		11/08/22 04:59	11/08/22 23:46	
Magnesium	43000		500		ug/L		11/08/22 04:59	11/08/22 23:46	
Potassium	3850		1000		ug/L		11/08/22 04:59	11/08/22 23:46	
Sodium	57000		2000		ug/L		11/08/22 04:59	11/08/22 23:46	
Method: SW846 6020A - N	Metals (ICP/MS) - Diss	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Pa
Beryllium	9.82		0.500		ug/L		11/10/22 14:09	11/14/22 16:33	
Cobalt	43.6		2.00		ug/L		11/10/22 14:09	11/14/22 16:33	
Manganese	391		5.00		ug/L		11/10/22 14:09	11/14/22 16:33	
Lithium	21.0		5.00		ug/L		11/10/22 14:09	11/14/22 16:33	
Iron	162000		50.0		ug/L		11/10/22 14:09	11/14/22 16:33	
Method: SW846 6020B - N	Metals (ICP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Selenium	26.5		5.00		ug/L		11/10/22 14:04	11/14/22 21:11	
Method: SW846 6020B - N	Metals (ICP/MS) - Total	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Antimony	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:33	
Arsenio	4.72		3.00		ug/L		11/08/22 04:59	11/09/22 17:33	
Barium	46.9		5.00		ug/L		11/08/22 04:59	11/09/22 17:33	
Beryllium	11.2		0.500		ug/L		11/08/22 04:59	11/09/22 17:33	
Cadmium	220		0.500		ug/L		11/08/22 04:59	11/09/22 17:33	
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:33	
Cobalt	52.3		0.500		ug/L		11/08/22 04:59	11/09/22 17:33	
Lead	8.88		2.50		ug/L		11/08/22 04:59	11/09/22 17:33	
Manganese	468		5.00		ug/L		11/08/22 04:59	11/09/22 17:33	
Thallium	1.00	re-	1.00		ug/L		11/08/22 04:59	11/09/22 17:33	

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47621 Lab Sample ID: 680-224844-10 Date Collected: 10/26/22 11:47

Matrix: Water

Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caldium	181000		500		ug/L		11/08/22 04:59	11/08/22 23:49	
Iron	54800		100		ug/L		11/08/22 04:59	11/08/22 23:49	
Magnesium	6720		500		ug/L		11/08/22 04:59	11/08/22 23:49	
Potassium	1000	U	1000		ug/L		11/08/22 04:59	11/08/22 23:49	
Sodium	44600		2000		ug/L		11/08/22 04:59	11/08/22 23:49	
Method: SW846 6020A - Metals (ICP/N	IS) - Disse	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Beryllium	3.78		0.500		ug/L		11/10/22 14:09	11/14/22 16:37	- 3
Cobalt	14.7		2.00		ug/L		11/10/22 14:09	11/14/22 16:37	
Manganese	196		5.00		ug/L		11/10/22 14:09	11/14/22 16:37	1
Lithiu m	63.3		5.00		ug/L		11/10/22 14:09	11/14/22 16:37	
Iron	55600		50.0		ug/L		11/10/22 14:09	11/14/22 16:37	
Method: SW846 6020B - Metals (ICP/N	IS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Selenium	5.00	U	5.00		ug/L		11/10/22 14:04	11/14/22 21:25	3
Method: SW846 6020B - Metals (ICP/N	IS) - Total	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Antimony	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:35	
Arsenio	3.00	U	3.00		ug/L		11/08/22 04:59	11/09/22 17:35	
Barium	46.7		5.00		ug/L		11/08/22 04:59	11/09/22 17:35	
Beryllium	521		0.500		ug/L		11/08/22 04:59	11/09/22 17:35	
Cadmium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:35	
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:35	
	15.3		0.500		ug/L		11/08/22 04:59	11/09/22 17:35	
Cobalt									
	2.50	U:	2.50		ug/L		11/08/22 04:59	11/09/22 17:35	3
Cobalt Lead Manganese		U	2.50 5.00		ug/L ug/L		11/08/22 04:59 11/08/22 04:59	11/09/22 17:35 11/09/22 17:35	

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Client Sample ID: AF47630 Date Collected: 10/26/22 12:58

Lab Sample ID: 680-224844-11 Matrix: Water

Date Received: 11/05/22 11:38

R nal yte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Caldium	85200		500		ug/L		11/08/22 04:59	11/08/22 23:52	
ron	2230		100		ug/L		11/08/22 04:59	11/08/22 23:52	
Magnesium	1860		500		ug/L		11/08/22 04:59	11/08/22 23:52	
Potassium	1000	Ú	1000		ug/L		11/08/22 04:59	11/08/22 23:52	
Bodium	12400		2000		ug/L		11/08/22 04:59	11/08/22 23:52	
Method: SW846 6020A - M	etals (ICP/MS) - Diss	olved							
Rnalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Pa
9 eryllium	0.500	U	0.500		ug/L		11/10/22 14:09	11/14/22 16:40	
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:09	11/14/22 16:40	
Manganese	58.1		5.00		ug/L		11/10/22 14:09	11/14/22 16:40	
Lithium	5.79		5.00		ug/L		11/10/22 14:09	11/14/22 16:40	
ron	1870		50.0		ug/L		11/10/22 14:09	11/14/22 16:40	
Method: SW846 6020B - M	etals (ICP/MS)								
Rnalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Belenium	5.00	U	5.00		ug/L		11/10/22 14:04	11/14/22 21:28	
Method: SW846 6020B - M	etals (ICP/MS) - Total	Recoverable	9						
Rnalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil P
Antimony	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:38	
Arsenio	3.00	U	3.00		ug/L		11/08/22 04:59	11/09/22 17:38	
Barium -	94.8		5.00		ug/L		11/08/22 04:59	11/09/22 17:38	
9eryllium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:38	
Cadmium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:38	
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:38	
Cobalt	0.500	Ui	0.500		ug/L		11/08/22 04:59	11/09/22 17:38	
.ead	2.50	U	2.50		ug/L		11/08/22 04:59	11/09/22 17:38	
Manganese	56.2		5.00		ug/L		11/08/22 04:59	11/09/22 17:38	
Thallium	1.00	CE	1.00		ug/L		11/08/22 04:59	11/09/22 17:38	

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Lab Sample ID: 680-224844-12

Matrix: Water

Client Sample ID: AF47628 Date Collected: 10/26/22 14:05 Date Received: 11/05/22 11:38

Method: SW846 6010D - Metals (ICP) - Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Calcium	486000	4441111	500		ug/L		11/08/22 04:59	11/08/22 23:55	
Iron	94300		100		ug/L		11/08/22 04:59	11/08/22 23:55	
Magnesium	52700		500		ug/L		11/08/22 04:59	11/08/22 23:55	
Potassium	6890		1000		ug/L		11/08/22 04:59	11/08/22 23:55	
Sodium	133000		2000		ug/L		11/08/22 04:59	11/08/22 23:55	
Method: SW/846 6020A - Metals (ICP/N	AS) - Diss	olved							
Analyte	The second second second	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Pa
Beryllium	19.6	-	0.500		ug/L		11/10/22 14:09	11/14/22 16:44	
Cobalt	40.6		2.00		ug/L		11/10/22 14:09	11/14/22 16:44	
Manganese	1010		5.00		ug/L		11/10/22 14:09	11/14/22 16:44	
Lithiu m	59.8		5.00		ug/L		11/10/22 14:09	11/14/22 16:44	
ron	98800		50.0		ug/L		11/10/22 14:09	11/14/22 16:44	
Method: SW846 6020B - Metals (ICP/N	AS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil R
Selenium	14.4		10.0		ug/L		11/10/22 14:04	11/14/22 21:32	
Method: SW846 6020B - Metals (ICP/N	AS) - Total	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Antimony	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:41	
Arsenio	3.00	U	3.00		ug/L		11/08/22 04:59	11/09/22 17:41	
3 <mark>arium</mark>	41.2		5.00		ug/L		11/08/22 04:59	11/09/22 17:41	
Beryllium	24.5		0.500		ug/L		11/08/22 04:59	11/09/22 17:41	
Cadmium	1.47		0.500		ug/L		11/08/22 04:59	11/09/22 17:41	
admidii	F 000	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:41	
	5.00								
Chromium	50.1		0.500		ug/L		11/08/22 04:59	11/09/22 17:41	
caamium Chromium Cobalt Lead			0.500 2.50		ug/L ug/L		11/08/22 04:59 11/08/22 04:59	11/09/22 17:41 11/09/22 17:41	
Chromium Cobalt	50.1				700				

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Client Sample ID: AF47629

Lab Sample ID: 680-224844-13

Matrix: Water

Date Collected: 10/26/22 14:10 Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Pad
Caldium	483000		500		ug/L		11/08/22 04:59	11/08/22 23:58	
Iron	93200		100		ug/L		11/08/22 04:59	11/08/22 23:58	
Magnesium	52400		500		ug/L		11/08/22 04:59	11/08/22 23:58	
Potassium	6810		1000		ug/L		11/08/22 04:59	11/08/22 23:58	1
Sodium	133000		2000		ug/L		11/08/22 04:59	11/08/22 23:58	3
Method: SW846 6020A - Metals (ICP/MS	S) - Diss	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Pa
Beryllium	20.2		0.500		ug/L		11/10/22 14:09	11/14/22 16:57	- 3
Cobalt	41.7		2.00		ug/L		11/10/22 14:09	11/14/22 16:57	3
Manganese	1040		5.00		ug/L		11/10/22 14:09	11/14/22 16:57	3
Lithiu m	63.1		5.00		ug/L		11/10/22 14:09	11/14/22 16:57	
Iron	102000		50.0		ug/L		11/10/22 14:09	11/14/22 16:57	- 2
Method: SW846 6020B - Metals (ICP/MS	6)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	13.8		5.00		ug/L		11/10/22 14:04	11/14/22 21:35	1
Method: SW846 6020B - Metals (ICP/MS	6) - Total	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:44	
Arsenio	3.00	U	3.00		ug/L		11/08/22 04:59	11/09/22 17:44	
Barium	40.2		5.00		ug/L		11/08/22 04:59	11/09/22 17:44	
Beryllium	23.6		0.500		ug/L		11/08/22 04:59	11/09/22 17:44	
Cadmium	1.58		0.500		ug/L		11/08/22 04:59	11/09/22 17:44	
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:44	- 8
Cobalt	47.3		0.500		ug/L		11/08/22 04:59	11/09/22 17:44	39
			2.50		ug/L		11/08/22 04:59	11/09/22 17:44	33
Lead	17.7		2.00		-0				
Lead Manganese	17.7 1180		5.00		ug/L		11/08/22 04:59	11/09/22 17:44	i.e

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Lab Sample ID: 680-224844-14

Matrix: Water

Client Sample ID: AF47627

Date Collected: 10/26/22 15:32 Date Received: 11/05/22 11:38

Method: SVV846 6010D - N									
Analyte		Qualifier	RL	MDL	100.10100	D	Prepared	Analyzed	Dil Fa
Calcium	1120000		5000		ug/L		11/08/22 04:59	11/09/22 15:47	1
ron .	10200		100		ug/L		11/08/22 04:59	11/09/22 00:01	
Magnesium	143000		500		ug/L		11/08/22 04:59	11/09/22 00:01	
Potassium	10400		1000		ug/L		11/08/22 04:59	11/09/22 00:01	
Sodium	183000		2000		ug/L		11/08/22 04:59	11/09/22 00:01	
Method: SW846 6020A - N	Metals (ICP/MS) - Disso	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Pa
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:09	11/14/22 17:01	
Cobalt	37.0		2.00		ug/L		11/10/22 14:09	11/14/22 17:01	
Manganese	5130		12.5		ug/L		11/10/22 14:09	11/15/22 15:58	
Lithium	50.7		5.00		ug/L		11/10/22 14:09	11/14/22 17:01	
Iron	12300		50.0		ug/L		11/10/22 14:09	11/14/22 17:01	
Method: SV/846 6020B - N	Metals (ICP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Selenium	5.00	U	5.00		ug/L		11/10/22 14:04	11/14/22 21:38	
Method: SW846 6020B - N	Metals (ICP/MS) - Total	Recoverable	9						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Antimony	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:52	
Arsenio	4.35		3.00		ug/L		11/08/22 04:59	11/09/22 17:52	
Barium	56.2		5.00		ug/L		11/08/22 04:59	11/09/22 17:52	
Beryllium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:52	
Cadmium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:52	
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:52	
Cobalt	43.1		0.500		ug/L		11/08/22 04:59	11/09/22 17:52	
Lead	2.50	U	2.50		ug/L		11/08/22 04:59	11/09/22 17:52	
Manganese	6170		5.00		ug/L		11/08/22 04:59	11/09/22 17:52	
Thallium	1.00		1.00		ug/L		11/08/22 04:59	11/09/22 17:52	

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Lab Sample ID: 680-224844-15

Matrix: Water

Client Sample ID: AF47626 Date Collected: 10/27/22 09:41 Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caldium	1300000		5000		ug/L		11/08/22 04:59	11/09/22 15:50	10
Iron	204000		100		ug/L		11/08/22 04:59	11/09/22 00:10	
Magnesium	349000		500		ug/L		11/08/22 04:59	11/09/22 00:10	
Potassium	20800		1000		ug/L		11/08/22 04:59	11/09/22 00:10	
Sodium	194000		2000		ug/L		11/08/22 04:59	11/09/22 00:10	
Method: SV/846 6020A - N	Metals (ICP/MS) - Diss	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Pa
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:09	11/14/22 17:04	3
Cobalt	9.13		2.00		ug/L		11/10/22 14:09	11/14/22 17:04	
Manganese	8830		25.0		ug/L		11/10/22 14:09	11/15/22 16:02	- 10
Lithium	5.00	U	5.00		ug/L		11/10/22 14:09	11/14/22 17:04	
Iron	219000		250		ug/L		11/10/22 14:09	11/15/22 16:02	11
Method: SW846 6020B - N	Metals (ICP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Selenium	5.00	U	5.00		ug/L		11/10/22 14:04	11/14/22 21:42	3
Method: SW846 6020B - N	Metals (ICP/MS) - Total	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:54	
Arsenio	4.83		3.00		ug/L		11/08/22 04:59	11/09/22 17:54	
Barium	48.3		5.00		ug/L		11/08/22 04:59	11/09/22 17:54	
Beryllium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:54	
Cadmium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:54	- 8
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:54	- 9
Cobalt	10.4		0.500		ug/L		11/08/22 04:59	11/09/22 17:54	3
Lead	2.50	U.	2.50		ug/L		11/08/22 04:59	11/09/22 17:54	3
Manganese	10200		5.00		ug/L		11/08/22 04:59	11/09/22 17:54	i.e
Thallium	1.00		1.00		ug/L		11/08/22 04:59	11/09/22 17:54	6.4

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Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Lab Sample ID: 680-224844-16

Matrix: Water

Client Sample ID: AF47625 Date Collected: 10/27/22 11:01 Date Received: 11/05/22 11:38

Inalyte .	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Caldium	472000		500		ug/L		11/08/22 04:59	11/09/22 00:13	
ron	15300		100		ug/L		11/08/22 04:59	11/09/22 00:13	
Magnesium	15200		500		ug/L		11/08/22 04:59	11/09/22 00:13	
Potassium	1450		1000		ug/L		11/08/22 04:59	11/09/22 00:13	
Sodium	70200		2000		ug/L		11/08/22 04:59	11/09/22 00:13	
Method: SW846 6020A - M	etals (ICP/MS) - Diss	olved							
Inalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil P
9eryllium	0.500	U	0.500		ug/L		11/10/22 14:09	11/14/22 17:08	
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:09	11/14/22 17:08	
Manganese	517		5.00		ug/L		11/10/22 14:09	11/14/22 17:08	
_ithium	5.00	U	5.00		ug/L		11/10/22 14:09	11/14/22 17:08	
ron	14300		50.0		ug/L		11/10/22 14:09	11/14/22 17:08	
Method: SW846 6020B - M	etals (ICP/MS)								
Inalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Selenium	5.00	U	5.00		ug/L		11/10/22 14:04	11/14/22 21:45	
Method: SW846 6020B - M	etals (ICP/MS) - Total	Recoverable							
Inalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Antimony	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:57	
Arsenio	3.00	U	3.00		ug/L		11/08/22 04:59	11/09/22 17:57	
Barium -	338		5.00		ug/L		11/08/22 04:59	11/09/22 17:57	
9 eryllium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:57	
Cadmium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:57	
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:57	
obalt	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:57	
.ead	2.50	U	2.50		ug/L		11/08/22 04:59	11/09/22 17:57	
Manganese .	452		5.00		ug/L		11/08/22 04:59	11/09/22 17:57	
Th allium	1.00	TE	1.00		ug/L		11/08/22 04:59	11/09/22 17:57	

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Client Sample ID: AF47624

Lab Sample ID: 680-224844-17

Matrix: Water

Date Collected: 10/27/22 12:15 Date Received: 11/05/22 11:38

Rnalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Caldium	152000		500		ug/L		11/08/22 04:59	11/09/22 00:16	
ron	120000		100		ug/L		11/08/22 04:59	11/09/22 00:16	
Magnesium	3990		500		ug/L		11/08/22 04:59	11/09/22 00:16	
Potassium	1000	U	1000		ug/L		11/08/22 04:59	11/09/22 00:16	
Sodium	78700		2000		ug/L		11/08/22 04:59	11/09/22 00:16	
Method: SVV846 6020A - N	Metals (ICP/MS) - Diss	olved							
Rnalyte Rnalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil P
Beryllium	4.57		0.500		ug/L		11/10/22 14:12	11/14/22 17:18	
Cobalt	14.3		2.00		ug/L		11/10/22 14:12	11/14/22 17:18	
Manganese	84.2		5.00		ug/L		11/10/22 14:12	11/14/22 17:18	
.ithiu m	12.4		5.00		ug/L		11/10/22 14:12	11/14/22 17:18	
ron	118000		50.0		ug/L		11/10/22 14:12	11/14/22 17:18	
Method: SW846 6020B - N	Metals (ICP/MS)								
Rnalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Selenium	5.00	U	5.00		ug/L		11/10/22 14:04	11/14/22 21:49	
Method: SW846 6020B - N	letals (ICP/MS) - Total	Recoverable	9						
Rnalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Antimony	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 18:00	
Arsenio	3.00	U	3.00		ug/L		11/08/22 04:59	11/09/22 18:00	
Barium -	1540		5.00		ug/L		11/08/22 04:59	11/09/22 18:00	
Beryllium	520		0.500		ug/L		11/08/22 04:59	11/09/22 18:00	
Cadmium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 18:00	
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 18:00	
Cobalt	15.1		0.500		ug/L		11/08/22 04:59	11/09/22 18:00	
.ead	8.81		2.50		ug/L		11/08/22 04:59	11/09/22 18:00	
Manganese	80.3		5.00		ug/L		11/08/22 04:59	11/09/22 18:00	
na iganese									

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Lab Sample ID: 680-224844-18

Matrix: Water

Client Sample ID: AF47623

Date Collected: 10/27/22 13:24 Date Received: 11/05/22 11:38

Method: SVV846 6010D - M Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Caldium	697000	-	500	100.000	ug/L		11/08/22 04:59	11/09/22 00:19	
Iron	13100		100		ug/L		11/08/22 04:59	11/09/22 00:19	
Magnesium	76500		500		ug/L		11/08/22 04:59	11/09/22 00:19	
Potassium	8510		1000		ug/L		11/08/22 04:59	11/09/22 00:19	
Sodium	129000		2000		ug/L		11/08/22 04:59	11/09/22 00:19	
Method: SW846 6020A - M	letals (ICP/MS) - Disso	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Pa
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 17:42	
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:12	11/14/22 17:42	
Manganese	610		5.00		ug/L		11/10/22 14:12	11/14/22 17:42	
Lithium	19.3		5.00		ug/L		11/10/22 14:12	11/14/22 17:42	
Iron	12800		50.0		ug/L		11/10/22 14:12	11/14/22 17:42	
Method: SW846 6020B - M	letals (ICP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Selenium	5.00	U	5.00		ug/L		11/10/22 14:04	11/14/22 21:52	
Method: SW846 6020B - M	letals (ICP/MS) - Total	Recoverable).						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Antimony	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 18:03	
Arsenic	3.00	U	3.00		ug/L		11/08/22 04:59	11/09/22 18:03	
Barium	133		5.00		ug/L		11/08/22 04:59	11/09/22 18:03	
Beryllium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 18:03	
Cadmium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 18:03	
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 18:03	
Cobalt	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 18:03	
Lead	2.50	U	2.50		ug/L		11/08/22 04:59	11/09/22 18:03	
Manganese	660		5.00		ug/L		11/08/22 04:59	11/09/22 18:03	
Thallium	1.00	DE	1.00		ug/L		11/08/22 04:59	11/09/22 18:03	

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Client Sample ID: AF47622 L
Date Collected: 10/27/22 14:46

Lab Sample ID: 680-224844-19 Matrix: Water

Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Calcium	549000		500		ug/L		11/08/22 04:59	11/09/22 00:22	
Iron	1230		100		ug/L		11/08/22 04:59	11/09/22 00:22	
Magnesium	52000		500		ug/L		11/08/22 04:59	11/09/22 00:22	
Potassium	3890		1000		ug/L		11/08/22 04:59	11/09/22 00:22	
Sodium	81800		2000		ug/L		11/08/22 04:59	11/09/22 00:22	
Method: SW846 6020A - N	Metals (ICP/MS) - Diss	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Pa
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 17:45	
Cobalt	25.3		2.00		ug/L		11/10/22 14:12	11/14/22 17:45	
Manganese	3290		5.00		ug/L		11/10/22 14:12	11/14/22 17:45	
Lithium	7.09		5.00		ug/L		11/10/22 14:12	11/14/22 17:45	
ron	1330		50.0		ug/L		11/10/22 14:12	11/14/22 17:45	
Method: SW846 6020B - N	Metals (ICP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Selenium	5.00	U	5.00		ug/L		11/10/22 14:04	11/14/22 21:56	
Method: SW846 6020B - N	Metals (ICP/MS) - Total	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Antimony	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 18:05	
Arsenio	3.00	U	3.00		ug/L		11/08/22 04:59	11/09/22 18:05	
Barium -	83.8		5.00		ug/L		11/08/22 04:59	11/09/22 18:05	
3 eryllium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 18:05	
Cadmium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 18:05	
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 18:05	
Cobalt	28.6		0.500		ug/L		11/08/22 04:59	11/09/22 18:05	
.ead	2.50	U	2.50		ug/L		11/08/22 04:59	11/09/22 18:05	
Manganese .	3730		5.00		ug/L		11/08/22 04:59	11/09/22 18:05	
Thallium	1.00		1.00		ug/L		11/08/22 04:59	11/09/22 18:05	

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Lab Sample ID: 680-224844-20

Matrix: Water

Client Sample ID: AF47659 Date Collected: 10/27/22 15:56

Date Received: 11/05/22 11:38

Rnalyte Programme Transfer of the Programme	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Caldium	81700		500		ug/L		11/08/22 04:59	11/09/22 00:25	
ron	2300		100		ug/L		11/08/22 04:59	11/09/22 00:25	
Magnesium	2720		500		ug/L		11/08/22 04:59	11/09/22 00:25	
Potassium	1000	U	1000		ug/L		11/08/22 04:59	11/09/22 00:25	
Bodium	14300		2000		ug/L		11/08/22 04:59	11/09/22 00:25	
Method: SW846 6020A - M	etals (ICP/MS) - Diss	olved							
Rnalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Pa
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 17:49	
Cobalt	7.01		2.00		ug/L		11/10/22 14:12	11/14/22 17:49	
Manganese	97.5		5.00		ug/L		11/10/22 14:12	11/14/22 17:49	
_ithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 17:49	
ron	2170		50.0		ug/L		11/10/22 14:12	11/14/22 17:49	
Method: SW846 6020B - M	etals (ICP/MS)								
l nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Selenium	5.00	U	5.00		ug/L		11/10/22 14:04	11/14/22 22:09	
Method: SW846 6020B - M	etals (ICP/MS) - Total	Recoverable							
\nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Antimony	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 18:08	
Arsenio	3.00	U	3.00		ug/L		11/08/22 04:59	11/09/22 18:08	
Barium e	189		5.00		ug/L		11/08/22 04:59	11/09/22 18:08	
3 eryllium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 18:08	
Dadmium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 18:08	
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 18:08	
Cobalt	729		0.500		ug/L		11/08/22 04:59	11/09/22 18:08	
_ead	2.50	U	2.50		ug/L		11/08/22 04:59	11/09/22 18:08	
Manganese	101		5.00		ug/L		11/08/22 04:59	11/09/22 18:08	
Thallium	1.00		1.00		ug/L		11/08/22 04:59	11/09/22 18:08	

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Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Client Sample ID: AF47660

Lab Sample ID: 680-224844-21

Matrix: Water

Date Collected: 10/27/22 16:01 Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Calcium	79400		500		ug/L		11/08/22 05:33	11/09/22 00:34	
Iron	2250		100		ug/L		11/08/22 05:33	11/09/22 00:34	3
Magnesium	2700		500		ug/L		11/08/22 05:33	11/09/22 00:34	
Potassium	1000	U	1000		ug/L		11/08/22 05:33	11/09/22 00:34	
Sodium	14 100		2000		ug/L		11/08/22 05:33	11/09/22 00:34	
Method: SW846 6020A - Metals (ICP/N	NS) - Diss	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 17:52	i i
Cobalt	6.68		2.00		ug/L		11/10/22 14:12	11/14/22 17:52	
Manganese	90.9		5.00		ug/L		11/10/22 14:12	11/14/22 17:52	
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 17:52	
Iron	1760		50.0		ug/L		11/10/22 14:12	11/14/22 17:52	
Method: SW846 6020B - Metals (ICP/N	NS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Selenium	10.0	U	10.0		ug/L		11/10/22 14:07	11/14/22 22:20	
Method: SW846 6020B - Metals (ICP/N	(S) - Total	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Antimony	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 18:27	
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 18:27	
B <mark>arium</mark>	191		5.00		ug/L		11/08/22 05:33	11/09/22 18:27	
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:27	
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:27	
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 18:27	
Cobalt	7.45		0.500		ug/L		11/08/22 05:33	11/09/22 18:27	
Lead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 18:27	
Manganese	104		5.00		ug/L		11/08/22 05:33	11/09/22 18:27	
Thallium	1.00		1.00		ug/L		11/08/22 05:33	11/09/22 18:27	

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Lab Sample ID: 680-224844-22

Matrix: Water

Client Sample ID: AF47661 Date Collected: 10/31/22 10:13 Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Caldium	115000		500		ug/L		11/08/22 05:33	11/09/22 00:49	
Iron	242		100		ug/L		11/08/22 05:33	11/09/22 00:49	
Magnesium	2480		500		ug/L		11/08/22 05:33	11/09/22 00:49	
Potassium	1970		1000		ug/L		11/08/22 05:33	11/09/22 00:49	
Sodium	16300		2000		ug/L		11/08/22 05:33	11/09/22 00:49	
Method: SW846 6020A - M	etals (ICP/MS) - Diss	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Pa
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 17:56	
Cobalt	7.85		2.00		ug/L		11/10/22 14:12	11/14/22 17:56	
Manganese	243		5.00		ug/L		11/10/22 14:12	11/14/22 17:56	
Lithium	5.47		5.00		ug/L		11/10/22 14:12	11/14/22 17:56	
ron	225		50.0		ug/L		11/10/22 14:12	11/14/22 17:56	
Method: SW846 6020B - M	etals (ICP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 22:23	
Method: SW846 6020B - M	etals (ICP/MS) - Total	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Antimony	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 18:35	
Arsenio	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 18:35	
Barium	222		5.00		ug/L		11/08/22 05:33	11/09/22 18:35	
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:35	
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:35	
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 18:35	
Cobalt	8.62		0.500		ug/L		11/08/22 05:33	11/09/22 18:35	
Lead	2.50	U.	2.50		ug/L		11/08/22 05:33	11/09/22 18:35	
Manganese	256		5.00		ug/L		11/08/22 05:33	11/09/22 18:35	
Thallium	1.00	CE	1.00		ug/L		11/08/22 05:33	11/09/22 18:35	

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Lab Sample ID: 680-224844-23

Matrix: Water

Client Sample ID: AF47634 Date Collected: 10/31/22 11:27

Date Received: 11/05/22 11:38

Rnalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Calcium	168000		500		ug/L		11/08/22 05:33	11/09/22 00:52	
ron	100	U	100		ug/L		11/08/22 05:33	11/09/22 00:52	
Magnesium	3000		500		ug/L		11/08/22 05:33	11/09/22 00:52	
Potassium	1000	U	1000		ug/L		11/08/22 05:33	11/09/22 00:52	
Sodium	24200		2000		ug/L		11/08/22 05:33	11/09/22 00:52	
Method: SW846 6020A - M	letals (ICP/MS) - Diss	olved							
Rnalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Pa
9 eryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 17:59	
Cobalt	2.79		2.00		ug/L		11/10/22 14:12	11/14/22 17:59	
Manganese	117		5.00		ug/L		11/10/22 14:12	11/14/22 17:59	
ithiu m	921		5.00		ug/L		11/10/22 14:12	11/14/22 17:59	
ron	79.1		50.0		ug/L		11/10/22 14:12	11/14/22 17:59	
Method: SW846 6020B - M	letals (ICP/MS)								
Rnalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Belenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 22:27	
Method: SW846 6020B - M	letals (ICP/MS) - Total	Recoverable	9						
l nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Antimony	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 18:38	
Arsenio	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 18:38	
Barium -	129		5.00		ug/L		11/08/22 05:33	11/09/22 18:38	
3 eryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:38	
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:38	
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 18:38	
Cobalt	3.06		0.500		ug/L		11/08/22 05:33	11/09/22 18:38	
.ead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 18:38	
Manganese	126		5.00		ug/L		11/08/22 05:33	11/09/22 18:38	

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Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Lab Sample ID: 680-224844-24

Matrix: Water

Client Sample ID: AF47635 Date Collected: 10/31/22 11:32

Method: SW846 6010D - Metals (ICP) - Tot	al Red	coverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Calcium 1	75000		500		ug/L		11/08/22 05:33	11/09/22 00:55	
lron .	100	U	100		ug/L		11/08/22 05:33	11/09/22 00:55	
Magnesium	3060		500		ug/L		11/08/22 05:33	11/09/22 00:55	
Potassium	1000	U	1000		ug/L		11/08/22 05:33	11/09/22 00:55	
Sodium	25000		2000		ug/L		11/08/22 05:33	11/09/22 00:55	
Method: SW846 6020A - Metals (ICP/MS) -	Disso	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 18:02	
Cobalt	2.92		2.00		ug/L		11/10/22 14:12	11/14/22 18:02	
Manganese	118		5.00		ug/L		11/10/22 14:12	11/14/22 18:02	
Lithiu m	9.97		5.00		ug/L		11/10/22 14:12	11/14/22 18:02	
Iron	82.0		50.0		ug/L		11/10/22 14:12	11/14/22 18:02	
Method: SW846 6020B - Metals (ICP/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Selenium	10.0	U	10.0		ug/L		11/10/22 14:07	11/14/22 22:30	
Method: SW846 6020B - Metals (ICP/MS) -	Total	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Antimony	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 18:41	
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 18:41	
Barium	134		5.00		ug/L		11/08/22 05:33	11/09/22 18:41	
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:41	
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:41	
Chromium	5.00	Ü	5.00		ug/L		11/08/22 05:33	11/09/22 18:41	
Cobalt	3.13		0.500		ug/L		11/08/22 05:33	11/09/22 18:41	
	2.50	HE.	2.50		ug/L		11/08/22 05:33	11/09/22 18:41	
Lead	2.50	0.							
Lead Manganese	130	Ŭ	5.00		ug/L		11/08/22 05:33	11/09/22 18:41	

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Lab Sample ID: 680-224844-25

Matrix: Water

Client Sample ID: AF47636 Date Collected: 10/31/22 12:40 Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Calcium	138000		500		ug/L		11/08/22 05:33	11/09/22 00:58	
Iron	402		100		ug/L		11/08/22 05:33	11/09/22 00:58	3
Magnesium	2190		500		ug/L		11/08/22 05:33	11/09/22 00:58	
Potassium	1000	U	1000		ug/L		11/08/22 05:33	11/09/22 00:58	1
Sodium	10000		2000		ug/L		11/08/22 05:33	11/09/22 00:58	
Method: SW846 6020A - M	etals (ICP/MS) - Diss	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 18:06	
Cobalt	3.33		2.00		ug/L		11/10/22 14:12	11/14/22 18:06	
Manganese	144		5.00		ug/L		11/10/22 14:12	11/14/22 18:06	
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 18:06	
Iron	338		50.0		ug/L		11/10/22 14:12	11/14/22 18:06	9
Method: SW846 6020B - M	etals (ICP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 22:57	
Method: SW846 6020B - M	etals (ICP/MS) - Total	Recoverable	9						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Antimony	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 18:43	
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 18:43	
Barium	184		5.00		ug/L		11/08/22 05:33	11/09/22 18:43	
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:43	
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:43	
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 18:43	
Cobalt	3.64		0.500		ug/L		11/08/22 05:33	11/09/22 18:43	
Lead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 18:43	
Manganese	157		5.00		ug/L		11/08/22 05:33	11/09/22 18:43	
Thallium	1.00		1.00		ug/L		11/08/22 05:33	11/09/22 18:43	

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Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Lab Sample ID: 680-224844-26 Client Sample ID: AF47637 Date Collected: 10/31/22 13:42

Matrix: Water

Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Caldium	222000		500		ug/L		11/08/22 05:33	11/09/22 01:01	
Iron	2080		100		ug/L		11/08/22 05:33	11/09/22 01:01	
Magnesium	7110		500		ug/L		11/08/22 05:33	11/09/22 01:01	
Potassium	1000	Ü	1000		ug/L		11/08/22 05:33	11/09/22 01:01	
Sodium	7350		2000		ug/L		11/08/22 05:33	11/09/22 01:01	
Method: SW846 6020A - M	letals (ICP/MS) - Diss	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Pa
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 18:09	
Cobalt	13.7		2.00		ug/L		11/10/22 14:12	11/14/22 18:09	
Manganese	664		5.00		ug/L		11/10/22 14:12	11/14/22 18:09	
Lith <mark>i</mark> um	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 18:09	
ron	1970		50.0		ug/L		11/10/22 14:12	11/14/22 18:09	
Method: SW846 6020B - M	letals (ICP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Belenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 23:01	
Method: SW846 6020B - M	letals (ICP/MS) - Total	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Pa
Antimony	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 18:52	
Arsenio	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 18:52	
Barium Barium	80.4		5.00		ug/L		11/08/22 05:33	11/09/22 18:52	
9eryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:52	
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:52	
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 18:52	
Cobalt	14.2		0.500		ug/L		11/08/22 05:33	11/09/22 18:52	
_ead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 18:52	
Manganese	693		5.00		ug/L		11/08/22 05:33	11/09/22 18:52	
Thallium	1.00	DE:	1.00		ug/L		11/08/22 05:33	11/09/22 18:52	

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Client Sample ID: AF47638

Lab Sample ID: 680-224844-27

Matrix: Water

Date Collected: 10/31/22 14:32 Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Calcium	130000		500		ug/L		11/08/22 05:33	11/09/22 01:04	
Iron	100	U	100		ug/L		11/08/22 05:33	11/09/22 01:04	
Magnesium	3140		500		ug/L		11/08/22 05:33	11/09/22 01:04	
Potassium	1000	U	1000		ug/L		11/08/22 05:33	11/09/22 01:04	
Sodium	11800		2000		ug/L		11/08/22 05:33	11/09/22 01:04	
Method: SW846 6020A - Met	als (ICP/MS) - Disso	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 18:13	- 3
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:12	11/14/22 18:13	
Manganese	7.64		5.00		ug/L		11/10/22 14:12	11/14/22 18:13	
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 18:13	
Iron	50.0	U	50.0		ug/L		11/10/22 14:12	11/14/22 18:13	
Method: SW846 6020B - Met	tals (ICP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 23:04	
Method: SW846 6020B - Met	tals (ICP/MS) - Total	Recoverable	9						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Antimony	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 18:54	
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 18:54	
Barium	61.6		5.00		ug/L		11/08/22 05:33	11/09/22 18:54	
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:54	
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:54	
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 18:54	
Cobalt	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:54	
Lead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 18:54	
Manganese	826		5.00		ug/L		11/08/22 05:33	11/09/22 18:54	
Thallium	1.00		1.00		ug/L		11/08/22 05:33	11/09/22 18:54	

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Lab Sample ID: 680-224844-28 Client Sample ID: AF47643 Date Collected: 11/02/22 09:42

Matrix: Water

Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Caldium	13500		500		ug/L		11/08/22 05:33	11/09/22 01:07	
Iron	100	U	100		ug/L		11/08/22 05:33	11/09/22 01:07	
Magnesium	922		500		ug/L		11/08/22 05:33	11/09/22 01:07	
Potassium	2270		1000		ug/L		11/08/22 05:33	11/09/22 01:07	
Sodium	6800		2000		ug/L		11/08/22 05:33	11/09/22 01:07	
Method: SW846 6020A - Metals	(ICP/MS) - Disso	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Pa
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 18:26	
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:12	11/14/22 18:26	
Manganese	10.4		5.00		ug/L		11/10/22 14:12	11/14/22 18:26	
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 18:26	
Iron	50.0	U	50.0		ug/L		11/10/22 14:12	11/14/22 18:26	
Method: SW846 6020B - Metals	(ICP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 23:08	
Method: SW846 6020B - Metals	(ICP/MS) - Total	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Antimony	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 18:57	
Arsenio	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 18:57	
Barium	132		5.00		ug/L		11/08/22 05:33	11/09/22 18:57	
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:57	
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:57	
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 18:57	
Cobalt	0.860		0.500		ug/L		11/08/22 05:33	11/09/22 18:57	
Lead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 18:57	
Manganese	8.61		5.00		ug/L		11/08/22 05:33	11/09/22 18:57	

11/22/2022

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Client Sample ID: AF47644

Lab Sample ID: 680-224844-29

Matrix: Water

Date Collected: 11/02/22 09:47 Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Calcium	14400		500		ug/L		11/08/22 05:33	11/09/22 01:10	
Iron	100	U	100		ug/L		11/08/22 05:33	11/09/22 01:10	
Magnesium	979		500		ug/L		11/08/22 05:33	11/09/22 01:10	
Potassium	2400		1000		ug/L		11/08/22 05:33	11/09/22 01:10	
Sodium	7190		2000		ug/L		11/08/22 05:33	11/09/22 01:10	
Method: SW846 6020A - M	etals (ICP/MS) - Disse	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 18:30	
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:12	11/14/22 18:30	
Manganese	6.63		5.00		ug/L		11/10/22 14:12	11/14/22 18:30	
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 18:30	
Iron	50.0	U	50.0		ug/L		11/10/22 14:12	11/14/22 18:30	
Method: SW846 6020B - M	etals (ICP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 23:11	
Method: SW846 6020B - M	etals (ICP/MS) - Total	Recoverable	9						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Antimony	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:00	
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 19:00	
Barium e	138		5.00		ug/L		11/08/22 05:33	11/09/22 19:00	
Beryllium	0.740		0.500		ug/L		11/08/22 05:33	11/09/22 19:00	
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:00	
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:00	
Cobalt	0.905		0.500		ug/L		11/08/22 05:33	11/09/22 19:00	
Lead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 19:00	
Manganese	7.44		5.00		ug/L		11/08/22 05:33	11/09/22 19:00	
Thallium	1.00	DE:	1.00		ug/L		11/08/22 05:33	11/09/22 19:00	

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Lab Sample ID: 680-224844-30

Matrix: Water

Client Sample ID: AF47631

Date Collected: 11/02/22 11:02 Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Caldium	41600		500		ug/L		11/08/22 05:33	11/09/22 01:13	
Iron	8980		100		ug/L		11/08/22 05:33	11/09/22 01:13	
Magnesium	2680		500		ug/L		11/08/22 05:33	11/09/22 01:13	
Potassium	1720		1000		ug/L		11/08/22 05:33	11/09/22 01:13	
Sodium	6460		2000		ug/L		11/08/22 05:33	11/09/22 01:13	
Method: SW846 6020A - M	etals (ICP/MS) - Diss	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Pa
9 eryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 18:33	
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:12	11/14/22 18:33	
Manganese	162		5.00		ug/L		11/10/22 14:12	11/14/22 18:33	
Lith <mark>ium</mark>	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 18:33	
ron	7800		50.0		ug/L		11/10/22 14:12	11/14/22 18:33	
Method: SW846 6020B - M	etals (ICP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Belenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 23:15	
Method: SW846 6020B - M	etals (ICP/MS) - Total	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Antimony	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:02	
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 19:02	
3arium	170		5.00		ug/L		11/08/22 05:33	11/09/22 19:02	
3 eryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:02	
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:02	
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:02	
Cobalt	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:02	
_ead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 19:02	
Manganese	88.3		5.00		ug/L		11/08/22 05:33	11/09/22 19:02	
Thallium	1.00	DE.	1.00		ug/L		11/08/22 05:33	11/09/22 19:02	

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Client Sample ID: AF47655

Lab Sample ID: 680-224844-31

Matrix: Water

Date Collected: 11/02/22 12:32 Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Calcium	15700		500		ug/L		11/08/22 05:33	11/09/22 01:23	
Iron	341		100		ug/L		11/08/22 05:33	11/09/22 01:23	
Magnesium	500	U	500		ug/L		11/08/22 05:33	11/09/22 01:23	
Potassium	1000	Ü	1000		ug/L		11/08/22 05:33	11/09/22 01:23	
Sodium	4060		2000		ug/L		11/08/22 05:33	11/09/22 01:23	
Method: SW846 6020A - Me	etals (ICP/MS) - Disse	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Pa
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 18:37	
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:12	11/14/22 18:37	
Manganese	192		5.00		ug/L		11/10/22 14:12	11/14/22 18:37	
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 18:37	
Iron	366		50.0		ug/L		11/10/22 14:12	11/14/22 18:37	
Method: SW846 6020B - M	etals (ICP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 23:18	
Method: SW846 6020B - M	etals (ICP/MS) - Total	Recoverable	9						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil P
Antimony	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:05	
Arsenio	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 19:05	
Barium	38.6		5.00		ug/L		11/08/22 05:33	11/09/22 19:05	
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:05	
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:05	
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:05	
Cobalt	1.19		0.500		ug/L		11/08/22 05:33	11/09/22 19:05	
Lead	2.50	U.	2.50		ug/L		11/08/22 05:33	11/09/22 19:05	
Manganese	198		5.00		ug/L		11/08/22 05:33	11/09/22 19:05	
Thallium	1.00	U	1.00		ug/L		11/08/22 05:33	11/09/22 19:05	

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Lab Sample ID: 680-224844-32

Matrix: Water

Client Sample ID: AF47662 Date Collected: 11/02/22 13:51 Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Caldium	16100		500		ug/L		11/08/22 05:33	11/09/22 01:26	
lron	100	U	100		ug/L		11/08/22 05:33	11/09/22 01:26	
Magnesium	5150		500		ug/L		11/08/22 05:33	11/09/22 01:26	
Potassium	1230		1000		ug/L		11/08/22 05:33	11/09/22 01:26	
Sodium	2540		2000		ug/L		11/08/22 05:33	11/09/22 01:26	
Method: SW846 6020A - Meta	ls (ICP/MS) - Disso	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Pa
Beryllium	3.84		0.500		ug/L		11/10/22 14:12	11/14/22 18:40	
Cobalt	30.5		2.00		ug/L		11/10/22 14:12	11/14/22 18:40	
Manganese	40.5		5.00		ug/L		11/10/22 14:12	11/14/22 18:40	
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 18:40	
Iron	172		50.0		ug/L		11/10/22 14:12	11/14/22 18:40	
Method: SW846 6020B - Meta	Is (ICP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 23:22	
Method: SW846 6020B - Meta	ls (ICP/MS) - Total	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Antimony	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:08	
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 19:08	
Barium	48.1		5.00		ug/L		11/08/22 05:33	11/09/22 19:08	
Beryllium	4.07		0.500		ug/L		11/08/22 05:33	11/09/22 19:08	
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:08	
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:08	
Cobalt	32.6		0.500		ug/L		11/08/22 05:33	11/09/22 19:08	
Lead	2.63		2.50		ug/L		11/08/22 05:33	11/09/22 19:08	
Manganese	37.9		5.00		ug/L		11/08/22 05:33	11/09/22 19:08	

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Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Lab Sample ID: 680-224844-33

Matrix: Water

Client Sample ID: AF47663 Date Collected: 11/02/22 14:52 Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Calcium	11500		500		ug/L		11/08/22 05:33	11/09/22 01:29	
Iron	136		100		ug/L		11/08/22 05:33	11/09/22 01:29	
Magnesium	617		500		ug/L		11/08/22 05:33	11/09/22 01:29	
Potassium	1000	U	1000		ug/L		11/08/22 05:33	11/09/22 01:29	
Sodium	6350		2000		ug/L		11/08/22 05:33	11/09/22 01:29	
Method: SW846 6020A - Met	als (ICP/MS) - Diss	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 18:43	
Cobalt	9.36		2.00		ug/L		11/10/22 14:12	11/14/22 18:43	
Manganese	478		5.00		ug/L		11/10/22 14:12	11/14/22 18:43	
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 18:43	
Iron	143		50.0		ug/L		11/10/22 14:12	11/14/22 18:43	
Method: SW846 6020B - Met	tals (ICP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 23:25	
Method: SW846 6020B - Met	tals (ICP/MS) - Total	Recoverable	9						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Antimony	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:16	
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 19:16	
Barium	40.5		5.00		ug/L		11/08/22 05:33	11/09/22 19:16	
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:16	
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:16	
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:16	
Cobalt	03.6		0.500		ug/L		11/08/22 05:33	11/09/22 19:16	
Lead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 19:16	
Manganese	517		5.00		ug/L		11/08/22 05:33	11/09/22 19:16	
Thallium	1.00		1.00		ug/L		11/08/22 05:33	11/09/22 19:16	

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Lab Sample ID: 680-224844-34

Matrix: Water

Client Sample ID: AF47658 Date Collected: 11/02/22 16:00

Date Received: 11/05/22 11:38

Method: SW 846 6010D - N Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Caldium	1260000		5000		ug/L		11/08/22 05:33	11/09/22 15:41	
ron	3090		100		ug/L		11/08/22 05:33	11/09/22 01:32	
Magnesium	144000		500		ug/L		11/08/22 05:33	11/09/22 01:32	
Potassium	8560		1000		ug/L		11/08/22 05:33	11/09/22 01:32	
Sodium	202000		2000		ug/L		11/08/22 05:33	11/09/22 01:32	
Method: SW846 6020A - N	Metals (ICP/MS) - Disso	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Pa
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 18:47	
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:12	11/14/22 18:47	
Manganese	5950		12.5		ug/L		11/10/22 14:12	11/15/22 16:05	
.ithiu m	19.2		5.00		ug/L		11/10/22 14:12	11/14/22 18:47	
ron	3030		50.0		ug/L		11/10/22 14:12	11/14/22 18:47	
Method: SW846 6020B - N	Metals (ICP/MS)								
Rnalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Belenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 23:39	
Method: SW846 6020B - N	Metals (ICP/MS) - Total	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Antimony	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:19	
Arsenio	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 19:19	
Barium -	60.1		5.00		ug/L		11/08/22 05:33	11/09/22 19:19	
3 eryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:19	
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:19	
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:19	
Cobalt	1.15		0.500		ug/L		11/08/22 05:33	11/09/22 19:19	
_ead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 19:19	
Manganese	6800		5.00		ug/L		11/08/22 05:33	11/09/22 19:19	
Thallium	1.00	re-	1.00		ug/L		11/08/22 05:33	11/09/22 19:19	

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Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Lab Sample ID: 680-224844-35

Matrix: Water

Client Sample ID: AF47639

Date Collected: 11/01/22 10:13 Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Caldium	274000		500		ug/L		11/08/22 05:33	11/09/22 01:35	
Iron	1750		100		ug/L		11/08/22 05:33	11/09/22 01:35	
Magnesium	4760		500		ug/L		11/08/22 05:33	11/09/22 01:35	
Potassium	1000	U	1000		ug/L		11/08/22 05:33	11/09/22 01:35	
Sodium	19900		2000		ug/L		11/08/22 05:33	11/09/22 01:35	
Method: SVN846 6020A - M	letals (ICP/MS) - Diss	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 18:50	
Cobalt	4.55		2.00		ug/L		11/10/22 14:12	11/14/22 18:50	
Manganese	305		5.00		ug/L		11/10/22 14:12	11/14/22 18:50	
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 18:50	
Iron	1490		50.0		ug/L		11/10/22 14:12	11/14/22 18:50	
Method: SW846 6020B - M	letals (ICP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 23:42	
Method: SW846 6020B - M	letals (ICP/MS) - Total	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Antimony	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:21	
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 19:21	
Barium	126		5.00		ug/L		11/08/22 05:33	11/09/22 19:21	
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:21	
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:21	
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:21	
Cobalt	420		0.500		ug/L		11/08/22 05:33	11/09/22 19:21	
Lead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 19:21	
Manganese	305		5.00		ug/L		11/08/22 05:33	11/09/22 19:21	
Thallium	1.00	TE:	1.00		ug/L		11/08/22 05:33	11/09/22 19:21	

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Lab Sample ID: 680-224844-36

Matrix: Water

Client Sample ID: AF47645

Date Collected: 11/01/22 11:29 Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Caldium	393000		500		ug/L		11/08/22 05:33	11/09/22 01:38	
Iron	9740		100		ug/L		11/08/22 05:33	11/09/22 01:38	
Magnesium	10200		500		ug/L		11/08/22 05:33	11/09/22 01:38	
Potassium	4370		1000		ug/L		11/08/22 05:33	11/09/22 01:38	
Sodium	52100		2000		ug/L		11/08/22 05:33	11/09/22 01:38	
Method: SVV846 6020A - M	letals (ICP/MS) - Diss	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Pa
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 18:54	
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:12	11/14/22 18:54	
Manganese	701		5.00		ug/L		11/10/22 14:12	11/14/22 18:54	
Lithium	27.6		5.00		ug/L		11/10/22 14:12	11/14/22 18:54	
Iron	8850		50.0		ug/L		11/10/22 14:12	11/14/22 18:54	
Method: SW846 6020B - M	letals (ICP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 23:46	
Method: SW846 6020B - M	letals (ICP/MS) - Total	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Antimony	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:24	
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 19:24	
Barium	333		5.00		ug/L		11/08/22 05:33	11/09/22 19:24	
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:24	
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:24	
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:24	
Cobalt	0.580		0.500		ug/L		11/08/22 05:33	11/09/22 19:24	
Lead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 19:24	
Manganese	714		5.00		ug/L		11/08/22 05:33	11/09/22 19:24	
Thallium	1.00	HE.	1.00		ug/L		11/08/22 05:33	11/09/22 19:24	

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Lab Sample ID: 680-224844-37

Matrix: Water

Client Sample ID: AF47641 Date Collected: 11/01/22 12:28 Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Caldium	273000		500		ug/L		11/08/22 05:33	11/09/22 01:41	
Iron	494		100		ug/L		11/08/22 05:33	11/09/22 01:41	
Magnesium	4570		500		ug/L		11/08/22 05:33	11/09/22 01:41	
Potassium	2330		1000		ug/L		11/08/22 05:33	11/09/22 01:41	
Sodium	66800		2000		ug/L		11/08/22 05:33	11/09/22 01:41	
Method: SW846 6020A - N	letals (ICP/MS) - Diss	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Pa
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:16	11/14/22 19:14	
Cobalt	56.7		2.00		ug/L		11/10/22 14:16	11/14/22 19:14	
Manganese	1710		5.00		ug/L		11/10/22 14:16	11/14/22 19:14	
Lithiu m	826		5.00		ug/L		11/10/22 14:16	11/14/22 19:14	
Iron	532		50.0		ug/L		11/10/22 14:16	11/14/22 19:14	
Method: SW846 6020B - N	fetals (ICP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 23:49	
Method: SW846 6020B - M	letals (ICP/MS) - Total	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Antimony	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:27	
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 19:27	
Barium	121		5.00		ug/L		11/08/22 05:33	11/09/22 19:27	
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:27	
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:27	
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:27	
Cobalt	60.0		0.500		ug/L		11/08/22 05:33	11/09/22 19:27	
Lead	2.50	U.	2.50		ug/L		11/08/22 05:33	11/09/22 19:27	
Manganese	1840		5.00		ug/L		11/08/22 05:33	11/09/22 19:27	
Thallium	1.00	110	1.00		ug/L		11/08/22 05:33	11/09/22 19:27	

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Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Lab Sample ID: 680-224844-38

Matrix: Water

Date Collected: 11/01/22 14:06 Date Received: 11/05/22 11:38

Client Sample ID: AF47642

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Caldium	450000		500		ug/L		11/08/22 05:33	11/09/22 01:44	
Iron	13500		100		ug/L		11/08/22 05:33	11/09/22 01:44	
Magnesium	8030		500		ug/L		11/08/22 05:33	11/09/22 01:44	
Potassium	1230		1000		ug/L		11/08/22 05:33	11/09/22 01:44	
Sodium	70600		2000		ug/L		11/08/22 05:33	11/09/22 01:44	
Method: SW846 6020A - M	etals (ICP/MS) - Diss	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Pa
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:16	11/14/22 19:28	
Cobalt	3.16		2.00		ug/L		11/10/22 14:16	11/14/22 19:28	
Manganese	676		5.00		ug/L		11/10/22 14:16	11/14/22 19:28	
Lithium	6.35		5.00		ug/L		11/10/22 14:16	11/14/22 19:28	
Iron	13700		50.0		ug/L		11/10/22 14:16	11/14/22 19:28	
Method: SW846 6020B - M	etals (ICP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 23:52	
Method: SW846 6020B - M	etals (ICP/MS) - Total	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Antimony	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:30	
Arsenio	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 19:30	
Barium	58.1		5.00		ug/L		11/08/22 05:33	11/09/22 19:30	
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:30	
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:30	
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:30	
Cobalt	3.07		0.500		ug/L		11/08/22 05:33	11/09/22 19:30	
_ead	2.50	U.	2.50		ug/L		11/08/22 05:33	11/09/22 19:30	
Manganese	673		5.00		ug/L		11/08/22 05:33	11/09/22 19:30	
Thallium	1.00	DE.	1.00		ug/L		11/08/22 05:33	11/09/22 19:30	

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Lab Sample ID: 680-224844-39

Matrix: Water

Client Sample ID: AF47640 Date Collected: 11/01/22 15:15 Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Caldium	164000		500		ug/L		11/08/22 05:33	11/09/22 01:47	
Iron	100	U	100		ug/L		11/08/22 05:33	11/09/22 01:47	3
Magnesium	7410		500		ug/L		11/08/22 05:33	11/09/22 01:47	
Potassium	1000	U	1000		ug/L		11/08/22 05:33	11/09/22 01:47	
Sodium	48100		2000		ug/L		11/08/22 05:33	11/09/22 01:47	3
Method: SW846 6020A - N	Metals (ICP/MS) - Disso	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:16	11/14/22 19:31	- 3
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:16	11/14/22 19:31	
Manganese	14.5		5.00		ug/L		11/10/22 14:16	11/14/22 19:31	
Lithium	5.00	Ü	5.00		ug/L		11/10/22 14:16	11/14/22 19:31	
Iron	50.0	U	50.0		ug/L		11/10/22 14:16	11/14/22 19:31	
Method: SW846 6020B - N	Metals (ICP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 23:56	3
Method: SW846 6020B - N	Metals (ICP/MS) - Total	Recoverable	9						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Antimony	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:32	
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 19:32	
Barium	106		5.00		ug/L		11/08/22 05:33	11/09/22 19:32	
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:32	
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:32	
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:32	
Cobalt	0.955		0.500		ug/L		11/08/22 05:33	11/09/22 19:32	
Lead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 19:32	
Manganese	15.7		5.00		ug/L		11/08/22 05:33	11/09/22 19:32	
Thallium	1.00	TC.	1.00		ug/L		11/08/22 05:33	11/09/22 19:32	

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Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Lab Sample ID: 680-224844-40

Matrix: Water

Date Collected: 11/03/22 10:03 Date Received: 11/05/22 11:38

Client Sample ID: AF47653

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Calcium	21800		500		ug/L		11/08/22 05:33	11/09/22 01:50	
Iron	155		100		ug/L		11/08/22 05:33	11/09/22 01:50	
Magnesium	913		500		ug/L		11/08/22 05:33	11/09/22 01:50	
Potassium	1080		1000		ug/L		11/08/22 05:33	11/09/22 01:50	
Sodium	3870		2000		ug/L		11/08/22 05:33	11/09/22 01:50	
Method: SW846 6020A - Me	etals (ICP/MS) - Disse	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:16	11/14/22 19:35	
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:16	11/14/22 19:35	
Manganese	198		5.00		ug/L		11/10/22 14:16	11/14/22 19:35	
Lithium	5.00	U	5.00		ug/L		11/10/22 14:16	11/14/22 19:35	
Iron	181		50.0		ug/L		11/10/22 14:16	11/14/22 19:35	
Method: SW846 6020B - Me	etals (ICP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 23:59	
Method: SW846 6020B - Me	etals (ICP/MS) - Total	Recoverable	9						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Antimony	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:35	
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 19:35	
Barium	77,8		5.00		ug/L		11/08/22 05:33	11/09/22 19:35	
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:35	
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:35	
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:35	
Cobalt	124		0.500		ug/L		11/08/22 05:33	11/09/22 19:35	
Lead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 19:35	
Manganese	205		5.00		ug/L		11/08/22 05:33	11/09/22 19:35	
Thallium	1.00	DE:	1.00		ug/L		11/08/22 05:33	11/09/22 19:35	

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Lab Sample ID: 680-224844-41

Matrix: Water

Client Sample ID: AF47654 Date Collected: 11/03/22 11:04

Date Received: 11/05/22 11:38

Method: SVV846 6010D - Met Analyte		Oualifier	RL	MDL	Heit	D	Prepared	Analyzed	Dil Fa
calcium	51400	Qualifier	500	MUL	ug/L		11/08/22 05:57	11/08/22 18:06	DII Fa
	1100		100		ug/L		11/08/22 05:57	11/08/22 18:06	
Iron	1270		500		ug/L		11/08/22 05:57	11/08/22 18:06	
Magnesium			1000		33.783		11/08/22 05:57	11/08/22 18:06	
Potassium	1080				ug/L				
Sodium	3340		2000		ug/L		11/08/22 05:57	11/08/22 18:06	
Method: SW846 6020A - Meta	als (ICP/MS) - Diss	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Pa
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:16	11/14/22 19:38	
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:16	11/14/22 19:38	
Manganese	113		5.00		ug/L		11/10/22 14:16	11/14/22 19:38	
Lithium	5.00	U	5.00		ug/L		11/10/22 14:16	11/14/22 19:38	
Iron	437		50.0		ug/L		11/10/22 14:16	11/14/22 19:38	
Method: SW846 6020B - Met	als (ICP/MS)								
Analyte:	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Selenium	10.0	U	10.0		ug/L		11/10/22 14:09	11/14/22 15:28	
Method: SW846 6020B - Met	als (ICP/MS) - Total	Recoverable	i I						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Antimony	5.00	U	5.00		ug/L		11/08/22 05:57	11/08/22 21:12	
Arsenio	3.00	U	3.00		ug/L		11/08/22 05:57	11/08/22 21:12	
Barium	40.3		5.00		ug/L		11/08/22 05:57	11/08/22 21:12	
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:57	11/08/22 21:12	
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:57	11/08/22 21:12	
Chromium	5.00	U	5.00		ug/L		11/08/22 05:57	11/08/22 21:12	
Cobalt	0.500	U:	0.500		ug/L		11/08/22 05:57	11/08/22 21:12	
	0.50	H:	2.50		ug/L		11/08/22 05:57	11/08/22 21:12	
Lead	2.50	0	~~						
Lead Manganese	2.50		5.00		ug/L		11/08/22 05:57	11/08/22 21:12	

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Lab Sample ID: 680-224844-42

Matrix: Water

Client	Sample	ID:	AF47657
D-4- C-	Hantadi 4	4 /00/2/	22.42.20

Date Collected: 11/03/22 12:20 Date Received: 11/05/22 11:38

Method: SW846 6010D - M		coverable Qualifier	RL	MDL	TOTAL S	D	n	0 1	Dil Fa
Analyte		Quairier	500	MUL	100.10100		Prepared 11/08/22 05:57	Analyzed 11/08/22 18:21	DII Pa
Calcium	6360		100		ug/L		11/08/22 05:57	11/08/22 18:21	
ron	886 500	ric.	500		ug/L		11/08/22 05:57	11/08/22 18:21	
Magnesium	\$1500 B	곘			ug/L				
Potassium 	1000	Ü	1000		ug/L •		11/08/22 05:57	11/08/22 18:21	
Bodium	3550		2000		ug/L		11/08/22 05:57	11/08/22 18:21	
Method: SW846 6020A - M	etals (ICP/MS) - Disso	olved							
l nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil P
3eryllium	0.500	U	0.500		ug/L		11/10/22 14:16	11/14/22 19:42	
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:16	11/14/22 19:42	
Manganese	43.4		5.00		ug/L		11/10/22 14:16	11/14/22 19:42	
_ithium	5.00	U	5.00		ug/L		11/10/22 14:16	11/14/22 19:42	
ron	931		50.0		ug/L		11/10/22 14:16	11/14/22 19:42	
Method: SW846 6020B - M	etals (ICP/MS)								
Rnalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil P
Selenium	5.00	U	5.00		ug/L		11/10/22 14:09	11/14/22 15:35	
Method: SW846 6020B - M	etals (ICP/MS) - Total	Recoverable	9						
l nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Antimony	5.00	U	5.00		ug/L		11/08/22 05:57	11/08/22 21:20	
Arsenio	3.00	U	3.00		ug/L		11/08/22 05:57	11/08/22 21:20	
Barium Barium	17.2		5.00		ug/L		11/08/22 05:57	11/08/22 21:20	
9eryllium	0.500	U	0.500		ug/L		11/08/22 05:57	11/08/22 21:20	
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:57	11/08/22 21:20	
Chromium	5.00	U	5.00		ug/L		11/08/22 05:57	11/08/22 21:20	
Cobalt	2.06		0.500		ug/L		11/08/22 05:57	11/08/22 21:20	
_ead	2.50	U.	2.50		ug/L		11/08/22 05:57	11/08/22 21:20	
Manganese	47.2		5.00		ug/L		11/08/22 05:57	11/08/22 21:20	
Thallium	1.00		1.00		ug/L		11/08/22 05:57	11/08/22 21:20	

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Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47664 Lab Sample ID: 680-224844-43 Date Collected: 11/03/22 13:44

Matrix: Water

Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Calcium	2020		500		ug/L		11/08/22 05:57	11/08/22 18:24	
Iron	383		100		ug/L		11/08/22 05:57	11/08/22 18:24	
Magnesium	500	U	500		ug/L		11/08/22 05:57	11/08/22 18:24	
Potassium	1000	U	1000		ug/L		11/08/22 05:57	11/08/22 18:24	1
Sodium	4040		2000		ug/L		11/08/22 05:57	11/08/22 18:24	i i
Method: SW846 6020A - Me	etals (ICP/MS) - Disse	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:16	11/14/22 19:55	- 3
Cobalt	12.5		2.00		ug/L		11/10/22 14:16	11/14/22 19:55	
Manganese	77.3		5.00		ug/L		11/10/22 14:16	11/14/22 19:55	1
Lithium	5.00	U	5.00		ug/L		11/10/22 14:16	11/14/22 19:55	3
Iron	597		50.0		ug/L		11/10/22 14:16	11/14/22 19:55	
Method: SW846 6020B - Me	etals (ICP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Selenium	5.00	U	5.00		ug/L		11/10/22 14:09	11/14/22 15:39	
Method: SW846 6020B - Me	etals (ICP/MS) - Total	Recoverable	9						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Antimony	5.00	U	5.00		ug/L		11/08/22 05:57	11/08/22 21:23	
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:57	11/08/22 21:23	
Barium	31.1		5.00		ug/L		11/08/22 05:57	11/08/22 21:23	
Beryllium	0.750		0.500		ug/L		11/08/22 05:57	11/08/22 21:23	
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:57	11/08/22 21:23	
Chromium	5.00	U	5.00		ug/L		11/08/22 05:57	11/08/22 21:23	
Cobalt	15.4		0.500		ug/L		11/08/22 05:57	11/08/22 21:23	
Lead	2.50	U	2.50		ug/L		11/08/22 05:57	11/08/22 21:23	
Manganese	84.4		5.00		ug/L		11/08/22 05:57	11/08/22 21:23	
Thallium	1.00	TIC.	1.00		ug/L		11/08/22 05:57	11/08/22 21:23	

Client Sample Results

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Lab Sample ID: 680-224844-44

Matrix: Water

Client Sample ID: AF47656 Date Collected: 11/03/22 14:49

Method: SW846 6010D - Metals (ICP) - Tot	al Red	coverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Caldium	58600		500		ug/L		11/08/22 05:57	11/08/22 18:27	
Iron	513		100		ug/L		11/08/22 05:57	11/08/22 18:27	
Magnesium	1520		500		ug/L		11/08/22 05:57	11/08/22 18:27	
Potassium	1000	U	1000		ug/L		11/08/22 05:57	11/08/22 18:27	
Sodium	7450		2000		ug/L		11/08/22 05:57	11/08/22 18:27	
Method: SW846 6020A - Metals (ICP/MS) -	Disso	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:16	11/14/22 19:59	- 3
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:16	11/14/22 19:59	
Manganese	161		5.00		ug/L		11/10/22 14:16	11/14/22 19:59	
Lithium	5.00	U	5.00		ug/L		11/10/22 14:16	11/14/22 19:59	
Iron	235		50.0		ug/L		11/10/22 14:16	11/14/22 19:59	
Method: SW846 6020B - Metals (ICP/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Selenium	5.00	U	5.00		ug/L		11/10/22 14:09	11/14/22 15:42	
Method: SW846 6020B - Metals (ICP/MS) -	Total	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Antimony	5.00	U	5.00		ug/L		11/08/22 05:57	11/08/22 21:25	
Arsenio	3.00	U	3.00		ug/L		11/08/22 05:57	11/08/22 21:25	
Barium	56.6		5.00		ug/L		11/08/22 05:57	11/08/22 21:25	
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:57	11/08/22 21:25	
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:57	11/08/22 21:25	
Chromium	5.00	U	5.00		ug/L		11/08/22 05:57	11/08/22 21:25	
Cobalt	0.765		0.500		ug/L		11/08/22 05:57	11/08/22 21:25	
Lead	2.50	U.	2.50		ug/L		11/08/22 05:57	11/08/22 21:25	
Manganese	179		5.00		ug/L		11/08/22 05:57	11/08/22 21:25	

Client Sample ID: Lab Control Sample

Client Sample ID: AF 47633

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Method	1: 60	10D - N	letals (ICP)
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Lab Sample ID: LCS 680-749406/2-A

Lab Sample ID: 680-224844-1 MS

Lab Sample ID: MB 680-749408/1-A

Matrix: Water

ab Sample ID: MB 680-749406/1-A Matrix: Water Analysis Batch: 749694 MB MB								mple ID: Metho ype: Total Reco Prep Batch:	verable
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	500	U	500		ug/L		11/08/22 04:59	11/08/22 23:03	1
Iron	100	U	100		ug/L		11/08/22 04:59	11/08/22 23:03	1
Magnesium	500	U	500		ug/L		11/08/22 04:59	11/08/22 23:03	1
Potassium	1000	U	1000		ug/L		11/08/22 04:59	11/08/22 23:03	1
Sodium	2000	U	2000		ug/L		11/08/22 04:59	11/08/22 23:03	1

Matrix: Water Analysis Batch: 749694	alysis Batch: 749694							Recoverable ntch: 749406
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Calcium	5000	4956		ug/L		99	80 - 120	
Iron	5000	5187		ug/L		104	80 - 120	
Magnesium	5010	4871		ug/L		97	80 . 120	
Potassium	7970	7809		ug/L		98	80 - 120	
Sodium	5050	4886		ug/L		97	80 - 120	

Matrix: Water Analysis Batch: 749694								Prep		Recoverable atch: 749406
Analyte		Sample Qualifier	Spike Added		M S Qualifier	Unit	D	% Rec	%Rec Limits	l l
Calcium	13100		5000	17840		ug/L		94	75 - 125	
Iron	10900		5000	15110		ug/L		84	75 - 125	
Magnesium	647		5010	5510		ug/L		97	75 . 125	
Potassium	1000	U	7970	8392		ug/L		97	75 - 125	
Sodium	5680		5050	10480		uall		95	75 . 125	

Lab Sample ID: 680-224844-1 MSD Watrix: Water Analysis Ratch: 740604									ient Sampl Type: Tota	Recov	erable
Analysis Batch: 749694									Prep E	Batch: 7	49406
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Calcium	13100		5000	17490		ug/L		87	75 - 125	2	20
Iron	10900		5000	14800		ug/L		78	75 . 125	2	20
Magnesium	647		5010	5393		ug/L		95	75 . 125	2	20
Potassium	1000	U	7970	8193		ug/L		95	75 - 125	2	20
Sodium	5680		5050	10140		ug/L		88	75 . 125	3	20

Analysis Batch: 749694								Prep Batch:	749408
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	500	U	500		ug/L		11/08/22 05:33	11/09/22 00:28	1
Iron	100	U	100		ug/L		11/08/22 05:33	11/09/22 00:28	1
Magnesium	500	U	500		ug/L		11/08/22 05:33	11/09/22 00:28	1
Potassium	1000	U	1000		ug/L		11/08/22 05:33	11/09/22 00:28	1
Sodium	2000	Ü.	2000		ug/L		11/08/22 05:33	11/09/22 00:28	1

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Client Sample ID: Method Blank

Prep Type: Total Recoverable

Client Sample ID: AF 47660

Client Sample ID: AF 47660

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Lab Sample ID: 680-224844-21 MS

Lab Sample ID: 680-224844-21 MSD

Lab Sample ID: MB 680-749410/1-A

Lab Sample ID: LCS 680-749410/2-A

Matrix: Water

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 680-749408/2-A Matrix: Water					Client	THE RESERVE AND ADDRESS.	ID: Lab Control Samp Type: Total Recoverab	
Analysis Batch: 749694						20000000	Prep Batch: 7494	08
300000000000000000000000000000000000000	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Calcium	5000	4869		ug/L		97	80 . 120	
Iron	5000	4976		ug/L		100	80 - 120	
Magnesium	5010	4857		ug/L		97	80 . 120	
Potassium	7970	7756		ug/L		97	80 . 120	
Sodium	5050	4839		ug/L		96	80 - 120	

Matrix: Water Analysis Batch: 749694								Prep	The state of the s	Recoverable Batch: 749408
Analyte		Sample Qualifier	Spike Added		MS Qualifier	Unit	D	% Rec	%Rec Limits	
Calcium	79400		5000	81900	4	ug/L		50	75 - 125	
Iron	2250		5000	7065		ug/L		96	75 - 125	
Magnesium	2700		5010	7402		ug/L		94	75 . 125	
Potassium	1000	U	7970	8745		ug/L		98	75 - 125	
Sodium	14100		5050	18390		ug/L		96	75 - 125	

Matrix: Water Analysis Batch: 749694	nalysis Batch: 749694								Recove Batch: 7	
	Sample San	mple Spike	MSD	MSD				%Rec		RPD
Analyte	Result Qua	alifier Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Calcium	79400	5000	82320	4	ug/L		58	75 - 125	1	20
Iron	2250	5000	7121		ug/L		98	75 - 125	1	20
Magnesium	2700	5010	7413		ug/L		94	75 . 125	0	20
Potassium	1000 U	7970	8717		ug/L		98	75 - 125	0	20
Sodium	14100	5050	18470		ua/L		87	75 - 125	0	20

Analysis Batch: 749694								Prep Batch:	749410
Analyte	73	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	500	3.000000000	500	mor.	ug/L		11/08/22 05:57	11/08/22 18:00	1
Iron	100	U	100		ug/L		11/08/22 05:57	11/08/22 18:00	1
Magnesium	500	U	500		ug/L		11/08/22 05:57	11/08/22 18:00	1
Potassium	1000	U	1000		ug/L		11/08/22 05:57	11/08/22 18:00	1
Sodium	2000	Ü.	2000		ug/L		11/08/22 05:57	11/08/22 18:00	1

Analysis Batch: 749694						Prep	Prep Batch:	
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Calcium	5000	4648		ug/L		93	80 - 120	
Iron	5000	4705		ug/L		94	80 . 120	
Magnesium	5010	4658		ug/L		93	80 - 120	
Potassium	7970	7446		ug/L		93	80 - 120	
Sodium	5050	4700		ug/L		93	80.120	

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Client Sample ID: Lab Control Sample

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Client Sample ID: Method Blank Prep Type: Total Recoverable

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 680-224844-41 MS

Matrix: Water

Analysis Batch: 749694

Client Sample ID: AF 47654 Prep Type: Total Recoverable Prep Batch: 749410

									op watern	
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Calcium	51400		5000	58750	4	ug/L		106	75 . 125	
Iron	1100		5000	5982		ug/L		98	75 - 125	
Magnesium	1270		5010	6074		ug/L		96	75 . 125	
Potassium	1080		7970	8988		ug/L		99	75 . 125	
Sodium	3340		5050	8173		ug/L		96	75 - 125	

Lab Sample ID: 680-224844-41 MSD

Matrix: Water

Analysis Batch: 749694

Client Sample ID: AF 47654 Prep Type: Total Recoverable Pren Batch: 749410

Allaysis Datch, 145054									Lich r	Jaten. r	454 10
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Calcium	51400		5000	52930	4	ug/L		30	75 - 125	7	20
Iron	1100		5000	5503		ug/L		88	75 - 125	8	20
Magnesium	1270		5010	5539		ug/L		85	75 . 125	9	20
Potassium	1080		7970	8244		ug/L		90	75 - 125	9	20
Sodium	3340		5050	7557		ug/L		84	75 - 125	8	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 160-589630/1-A

Matrix: Water

Analysis Batch: 590073

Client Sample ID: Method Blank Prep Type: Total Recoverable Prep Batch: 589630

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 17:11	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:12	11/14/22 17:11	2
Manganese	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 17:11	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 17:11	2
Iron	50.0	U	50.0		ug/L		11/10/22 14:12	11/14/22 17:11	2

Lab Sample ID: LCS 160-589630/2-A

Matrix: Water

Analysis Batch: 590073

Client Sample ID: Lab Control Sample Prep Type: Total Recoverable Prep Batch: 589630

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Beryllium	100	97.05		ug/L		97	80 . 120	
Cobalt	1000	975.0		ug/L		98	80 - 120	
Manganese	1000	970.5		ug/L		97	80 - 120	
Lithium	100	98.38		ug/L		98	80 . 120	
Iron	10000	9981		ug/L		100	80 - 120	

Lab Sample ID: MB 160-589631/1-A

Matrix: Water

Analysis Batch: 590073

Client Sample ID: Method Blank Prep Type: Total Recoverable

Prep Batch: 589631

	MB	M B							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:16	11/14/22 18:57	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:16	11/14/22 18:57	2
Manganese	5.00	U	5.00		ug/L		11/10/22 14:16	11/14/22 18:57	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:16	11/14/22 18:57	2

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

Lab Sample ID: MB 160-589631/1-A

Matrix: Water

Analysis Batch: 590073

Client Sample ID: Method Blank Prep Type: Total Recoverable

Prep Batch: 589631

The state of the s									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	50.0	U	50.0		ug/L		11/10/22 14:16	11/14/22 18:57	2

Lab Sample ID: LCS 160-589631/2-A Client Sample ID: Lab Control Sample Matrix: Water Prep Type: Total Recoverable Analysis Batch: 590073 Pren Batch: 589631

mayors bacin soors	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Beryllium	100	96.02		ug/L		96	80 - 120
Cobalt	1000	982.7		ug/L		98	80 - 120
Manganese	1000	973.0		ug/L		97	80 . 120
Lithium	100	96.85		ug/L		97	80 - 120
Îron	10000	9867		ug/L		99	80 - 120

Client Sample ID: AF 47633 Lab Sample ID: 680-224844-1 MS Matrix: Water Prep Type: Dissolved

MB MB

Analysis Batch: 590073 Prep Batch: 589629 Sample Sample Spike MS MS %Rec

Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
0.500	U	100	98.80		ug/L		98	75 - 125	
3.42		1000	959.5		ug/L		96	75 . 125	
13.0		1000	939.4		ug/L		93	75 . 125	
6.06		100	106.6		ug/L		101	75 - 125	
10900		10000	20000		ug/L		90	75 . 125	
	0.500 3.42 13.0 6.06	13.0 6.06	0.500 U 100 3.42 1000 13.0 1000 6.06 100	0.500 U 100 98.80 3.42 1000 959.5 13.0 1000 939.4 6.06 100 106.6	0.500 U 100 98.80 3.42 1000 959.5 13.0 1000 939.4 6.06 100 106.6	0.500 U 100 98.80 ug/L 3.42 1000 959.5 ug/L 13.0 1000 939.4 ug/L 6.06 100 106.6 ug/L	0.500 U 100 98.80 ug/L 3.42 1000 959.5 ug/L 13.0 1000 939.4 ug/L 6.06 100 106.6 ug/L	0.500 U 100 98.80 ug/L 98 3.42 1000 959.5 ug/L 96 13.0 1000 939.4 ug/L 93 6.06 100 106.6 ug/L 101	0.500 U 100 98.80 ug/L 98 75 - 125 3.42 1000 959.5 ug/L 96 75 . 125 13.0 1000 939.4 ug/L 93 75 . 125 6.06 100 106.6 ug/L 101 75 - 125

Lab Sample ID: 680-224844-1 MSD Client Sample ID: AF 47633 Matrix: Water Prep Type: Dissolved

Analysis Batch: 590073 Prep Batch: 589629

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Beryllium	0.500	U	100	100.1		ug/L		100	75 - 125	1	20
Cobalt	3.42		1000	978.5		ug/L		98	75 . 125	2	20
Manganese	13.0		1000	990.0		ug/L		98	75 - 125	5	20
Lithium	6.06		100	106.6		ug/L		101	75 - 125	0	20
Iron	10900		10000	20530		ug/L		96	75 . 125	3	20

Client Sample ID: AF 47624 Lab Sample ID: 680-224844-17 MS Matrix: Water Prep Type: Dissolved

Analysis Batch: 590073

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier Analyte Unit %Rec Limits 4.57 100 75 - 125 Beryllium 103.9 ug/L 99 14.3 1000 973.4 75.125 Cobalt ug/L 96 84.2 1000 1029 ug/L 94 75 - 125 Manganese Lithium 12.4 100 113.3 101 75.125 ug/L 126600 4 75.125 Iron 118000 10000 ug/L 88

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Prep Batch: 589630

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

Lab Sample ID: 680-224844-17 Matrix: Water Analysis Batch: 590073	MSD							CI	ient Sampl Prep Ty Prep E		solved
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Beryllium	4.57		100	102.0		ug/L		97	75 . 125	2	20
Cobalt	14.3		1000	971.3		ug/L		96	75 - 125	0	20
Manganese	84.2		1000	1041		ug/L		96	75 . 125	1	20
Lithium	12.4		100	111.0		ug/L		99	75 . 125	2	20
Iron	118000		10000	127400	4	ug/L		96	75 - 125	1	20

Lab Sample ID: 680-224844-37 MS

Matrix: Water

Analysis Batch: 590073

Client Sample ID: AF 47641
Prep Type: Dissolved
Prep Batch: 589631

A STATE OF THE STA	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Beryllium	0.500	U	100	99.36		ug/L		99	75 - 125	
Cobalt	56.7		1000	984.6		ug/L		93	75 - 125	
Manganese	1710		1000	2607		ug/L		90	75 . 125	
Lithium	826		100	108.8		ug/L		101	75 - 125	
Iron	532		10000	10060		ug/L		95	75 - 125	

Lab Sample ID: 680-224844-37 MSD

Matrix: Water

Analysis Batch: 590073

Client Sample ID: AF 4/641
Prep Type: Dissolved
Prep Batch: 589631

Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
0.500	U	100	98.85		ug/L		99	75 - 125	1	20
56.7		1000	998.9		ug/L		94	75 - 125	1	20
1710		1000	2619		ug/L		91	75 . 125	0	20
826		100	105.4		ug/L		97	75 - 125	3	20
532		10000	10130		ug/L		96	75 - 125	1	20
	Result 0.500 56.7 1710 8.26	1710 8 <i>2</i> 6	Result Qualifier Added 0.500 U 100 56.7 1000 1710 1000 826 100	Result Qualifier Added Result 0.500 U 100 98.85 56.7 1000 998.9 1710 1000 2619 8.26 100 105.4	Result Qualifier Added Result Qualifier 0.500 U 100 98.85 56.7 1000 998.9 1710 1000 2619 826 100 105.4	Result Qualifier Added Result Qualifier Unit 0.500 U 100 98.85 ug/L 56.7 1000 998.9 ug/L 1710 1000 2619 ug/L 826 100 105.4 ug/L	Result Qualifier Added Result Qualifier Unit D 0.500 U 100 98.85 ug/L 56.7 1000 998.9 ug/L 1710 1000 2619 ug/L 8.26 100 105.4 ug/L	Result Qualifier Added Result Qualifier Unit D % Rec 0.500 U 100 98.85 ug/L 99 56.7 1000 998.9 ug/L 94 1710 1000 2619 ug/L 91 826 100 105.4 ug/L 97	Result Qualifier Added Result Qualifier Unit D %Rec Limits 0.500 U 100 98.85 ug/L 99 75-125 56.7 1000 998.9 ug/L 94 75-125 1710 1000 2619 ug/L 91 75.125 826 100 105.4 ug/L 97 75-125	Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD 0.500 U 100 98.85 ug/L 99 75-125 1 56.7 1000 998.9 ug/L 94 75-125 1 1710 1000 2619 ug/L 91 75.125 0 826 100 105.4 ug/L 97 75-125 3

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 160-589627/1-A						Client Sa	mple ID: Metho	od Blank
Matrix: Water Analysis Batch: 590073							Prep Type: Prep Batch	
	MB	MB					145	
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac

Selenium	5.00 U	5.00	ug/L	11/10/22 14:04	11/14/22 20:13	2
Lab Sample ID: LCS 160-589627/2-A				Client Sample II	D: Lab Control Sa	ample

Analysis Batch: 590073							Prep Batch: 589627
	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Selenium	500	491.3		ug/L		98	80 - 120

Lab Sample ID: 680-224844-2 MS

Matrix: Water

Matrix: Water

Analysis Batch: 590073									Prep Batch: 589627
	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Selenium	10.0	U	1000	985.8		ug/L		99	75 - 125

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Prep Type: Total/NA

Client Sample ID: AF 47632

Prep Type: Total/NA

Method: 6020B - Metals (ICP/MS)

Antimony

Lab Sample ID: 680-224844-2 MSD											Clie	ent Sample l	D: AF	47632
Matrix: Water												Ргер Тур	e: To	tal/NA
Analysis Batch: 590073												Ргер Ва	tch: 5	589627
The state of the s	Sample	Sam	ple	Spike		MSD	MSD					%Rec		RPI
Analyte	Result		1490	A dded		Result	Qualifier	Unit		D	%Rec	Limits	RPD	Limi
Selenium	10.0	2000		1000		1024	A 75001.57	ug/L		- 720	102	75 . 125	4	20
								300000						
ab Sample ID: MB 160-589628/1-A											Client Sa	ample ID: Me	ethod	Blank
Matrix: Water												Ргер Тур	e: To	tal/N/
Analysis Batch: 590073												Prep Ba		
		MB	MB										30000	35.0000
Inalyte	R	esult	Qualifier		RL		MDL Unit		D	F	repared	Analyzed	1	Dil Fa
Selenium		5.00		-	5.00		ug/L		1000	-	10/22 14:07	11/14/22 22		Dii 10
, ciellani		0.00	Ĭ.		0.00		og.			(40)	IOIZZ I TOT	111.112.22		0
ab Sample ID: LCS 160-589628/2-A	1								C	lien	t Sample	ID: Lab Con		
Matrix: Water												Ргер Тур		
Analysis Batch: 590073												Prep Ba	tch: 5	58962
				Spike		LCS	LCS					%Rec		
Analyte				Added		Result	Qualifier	Unit		D	%Rec	Limits		
Selenium				500		490.1		ug/L			98	80 - 120		
ab Sample ID: 680-224844-24 MS											Clie	ent Sample l	D: AF	4763
Matrix: Water												Ргер Тур	e: To	tal/N/
Analysis Batch: 590073												Prep Ba	tch: 5	58962
•	Sample	Sam	ple	Spike		MS	MS					%Rec		
Analyte	Result	0 ual	ifier	Added		Result	Qualifier	Unit		D	%Rec	Limits		
Selenium	10.0			1000		924.1		ug/L		-	92	75 - 125		
		-												
Lab Sample ID: 680-224844-24 MSD											Clic	ent Sample l	D: AF	4763
Matrix: Water												Ргер Тур		
Analysis Batch: 590073												Prep Ba		
	Sample	Sam	ole	Spike		MSD	MSD					%Rec		RPI
Analyte	Result		1000	Added			Qualifier	Unit		D	%Rec	Limits	RPD	Limi
Selenium	10.0		in ci	1000	-	969.2	Quantital	ug/L	-	-	97	75 . 125	5	2
Selement	10.0	- 71		1000				39.5				.020	×	
Lab Sample ID: MB 160-589629/1-A											Client Sa	ample ID: Mo	ethod	Blank
Matrix: Water											Oll Gill O	Prep Tvi		
Analysis Batch: 590073												Prep Ba		
Analysis Balcii. 3900/3		мо	MB									Pich Da	ittii	J090Z
01.4-			m o Qualifier		DI		MDI USB		D.	- 62	Prepared	01		DO F
Analyte Belenium		5.00	00.11.00000000000	_	5.00		MDL Unit	-	D	- 22	repared 10/22 14:09	Analyzed 11/14/22 15	-	Dil Fa
selenium		5.00	0		500		ug/u			1.0	10/22 14/08	11/14/22 10	.11	
Lab Sample ID: LCS 160-589629/2-A									-	lion	Cample	ID: Lab Con	tro I C	annie
Matrix: Water	10									licii	Coumpie	Prep Ty		
Analysis Batch: 590073				0-0.0		1.00	LCS					Prep Ba	ittii. :	08902
137 1575.9				Spike			37/16	100000		823	0202900	%Rec		
Analyte		-		Added			Qualifier	Unit		D	%Rec	Limits		
Selenium				500		479.0		ug/L			96	80 - 120		
ob Comple ID: MD 600 74040724 A											ClientC	ample ID. 44	other d	Dieci
Lab Sample ID: MB 680-749407/1-A												ample ID: Mo		
Matrix: Water											Preb	Type: Total F		
Analysis Batch: 749990												Prep Ba	ich: 7	4940
			MB											Cabello Comm
Analyte	R	esult	Qualifier		RL		MDL Unit		D	F	Prepared	Analyzed	1	Dil Fa

11/09/22 16:55

5.00

ug/L

11/08/22 04:59

5.00 U

-1

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

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

Lab Sample ID: MB 680-749407/1-A Matrix: Water							mple ID: Metho ype: Total Reco	
Analysis Batch: 749990							Prep Batch:	749407
MB	MB							
Analyte Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic 3.00	U	3.00		ug/L		11/08/22 04:59	11/09/22 16:55	1
Barium 5.00	Ü	5.00		ug/L		11/08/22 04:59	11/09/22 16:55	1
Beryllium 0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 16:55	1
Cadmium 0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 16:55	31
Chromium 5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 16:55	1
Cobalt 0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 16:55	11
Lead 2.50	U	2.50		ug/L		11/08/22 04:59	11/09/22 16:55	1
Manganese 5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 16:55	11
Thallium 1.00	U	1.00		ug/L		11/08/22 04:59	11/09/22 16:55	1

Lab Sample ID: LCS 680-749407/2-A

Matrix: Water

Analysis Batch: 749990

Spike

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 749407

MRec

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Antimony	50.0	51.31		ug/L		103	80 - 120	
Arsenic	100	104.3		ug/L		104	80 - 120	
Barium	100	104.2		ug/L		104	80 . 120	
Beryllium	50.0	49.48		ug/L		99	80 - 120	
Cadmium	50.0	50.25		ug/L		101	80 - 120	
Chromium	100	106.5		ug/L		107	80 . 120	
Cobalt	50.0	51.58		ug/L		103	80 - 120	
Lead	505	508.7		ug/L		101	80 - 120	
Manganese	400	407.6		ug/L		102	80 . 120	
Thallium	50.0	50.52		ug/L		101	80 - 120	

Lab Sample ID: 680-224844-1 MS

Matrix: Water

Analysis Batch: 749990

Client Sample ID: AF 47633

Prep Type: Total Recoverable

Prep Batch: 749407

Allarysis Daich. 749990									Prep c	at
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Antimony	5.00	U	50.0	52.67		ug/L		105	75 . 125	
Arsenic	00.8	U	100	107.2		ug/L		105	75 - 125	
Barium	85.1		100	191.6		ug/L		108	75 . 125	
Beryllium	0.500	U	50.0	51.72		ug/L		103	75 - 125	
Cadmium	0.500	U	50.0	52.10		ug/L		104	75 - 125	
Chromium	5.00	U	100	109.3		ug/L		109	75 . 125	
Cobalt	1.89		50.0	53,72		ug/L		104	75 - 125	
Lead	2.50	U	505	525.8		ug/L		104	75 - 125	
Manganese	12.9		400	426.3		ug/L		103	75 . 125	
Thallium	1.00	Ш	50.0	51.86		ug/L		104	75 . 125	

Lab Sample ID: 680-224844-1 MSD Client Sample ID: AF 47633

300 U

Arsenic

Matrix: Water								Prep	Type: Tota	Recov	erable
Analysis Batch: 749990									Prep I	Batch: 7	49407
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	5.00	U	50.0	54.16		ug/L		108	75 . 125	3	20

110.6

ug/L

108

75 - 125

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100

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Job ID: 680-224844-1

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

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

Lab Sample ID: 680-224844-1 MS Matrix: Water	SD								ient Sampli Type: Tota		
Analysis Batch: 749990										Batch: 7	
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Barium	85.1		100	195.2		ug/L		110	75 - 125	2	20
Beryllium	0.500	U	50.0	51.77		ug/L		103	75 . 125	0	20
Cadmium	0.500	U	50.0	53.92		ug/L		108	75 - 125	3	20
Chromium	5.00	U	100	112.0		ug/L		112	75 - 125	2	20
Cobalt	1.89		50.0	55.08		ug/L		106	75 . 125	3	20
Lead	2.50	U	505	537.3		ug/L		106	75 - 125	2	20
Manganese	12.9		400	435.8		ug/L		106	75 - 125	2	20
Thallium	1.00	U	50.0	53.77		ug/L		108	75 . 125	4	20

Lab Sample ID: MB 680-749409/1-A Client Sample ID: Method Blank Matrix: Water Prep Type: Total Recoverable Analysis Batch: 749990 Prep Batch: 749409 MB MB Analyte Result Qualifier RL M.D.L. Unit D Prepared Analyzed Dil Fac Antimony 5.00 U 5.00 ug/L 11/08/22 05:33 11/09/22 18:22 3.00 U Arsenio 3.00 ug/L 11/08/22 05:33 11/09/22 18:22 Barium 5.00 U 5.00 ug/L 11/08/22 05:33 11/09/22 18:22 Beryllium 0.500 U 0.500 ug/L 11/08/22 05:33 11/09/22 18:22 Cadmium 0.500 U 0.500 ug/L 11/08/22 05:33 11/09/22 18:22 Chromium 5.00 U 5.00 ug/L 11/08/22 05:33 11/09/22 18:22 Cobatt 0.500 U 0.500 11/08/22 05:33 11/09/22 18:22 ug/L 2.50 U Lead 2.50 ug/L 11/08/22 05:33 11/09/22 18:22 5.00 U 5.00 ug/L 11/08/22 05:33 11/09/22 18:22 Manganese Thallium 1.00 U 1.00 ug/L 11/08/22 05:33 11/09/22 18:22

Lab Sample ID: LCS 680-749409/2-A			Client Sample ID: Lab Control Sample
Matrix: Water			Prep Type: Total Recoverable
Analysis Batch: 749990			Prep Batch: 749409
	Spike	LCS LCS	%Rec

Time you battom Treese							op wa	
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Antimony	50.0	52.63		ug/L		105	80 - 120	
Arsenic	100	103.3		ug/L		103	80 . 120	
Barium	100	101.4		ug/L		101	80 - 120	
Beryllium	50.0	46.53		ug/L		93	80.120	
Cadmium	50.0	50.97		ug/L		102	80 - 120	
Chromium	100	106.3		ug/L		106	80 - 120	
Cobalt	50.0	50.67		ug/L		101	80 . 120	
Lead	505	505.1		ug/L		100	80 - 120	
Manganese	400	404.7		ug/L		101	80 - 120	
Thallium	50.0	50.18		ug/L		100	80 . 120	

ı	Lab	Sampl	le ID:	680-224	4844-21	MS
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Matrix: Water

Analysis Batch: 749990

Client Sample ID: AF 47660							
Prep Type: Total Recoverable							
Prep Batch: 749409							

	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Antimony	5.00	U	50.0	53.35		ug/L		107	75 - 125
Arsenic	3.00	U	100	108.4		ug/L		108	75 . 125
Barium	191		100	291.4		ug/L		100	75 - 125

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Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

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

Lab Sample ID: 680-224844-21	MS			Client Sample ID: AF 47660
Matrix: Water				Prep Type: Total Recoverable
Analysis Batch: 749990				Prep Batch: 749409
- 100 miles	Sample Sample	Spike	MS MS	%Rec

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Beryllium	0.500	U	50.0	50.26		ug/L		101	75 - 125	
Cadmium	0.500	U	50.0	52.36		ug/L		105	75 . 125	
Chromium	5.00	U	100	108.9		ug/L		109	75 - 125	
Cobalt	7.45		∴50.0	58.63		ug/L		102	75 - 125	
Lead	2.50	U	505	526.4		ug/L		104	75 . 125	
Manganese	104		400	503.7		ug/L		100	75 - 125	
Thallium	1.00	U	50.0	53.02		ug/L		106	75 . 125	

Lab Sample ID: 680-224844-21 MSD Client Sample ID: AF 47660 Matrix: Water Prep Type: Total Recoverable Analysis Batch: 749990 Prep Batch: 749409

Sampl	e Sample	Spike	MSD	MSD				%Rec		RPD
Analyte Resu	t Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony 5.0	O U	50.0	56,36		ug/L		113	75 - 125	5	20
Arsenic 3.0	ט ט	100	112.7		ug/L		113	75 . 125	4	20
Barium 19	1	100	307.1		ug/L		116	75 - 125	5	20
Beryllium 0.50	ט ט	50.0	52.84		ug/L		106	75 - 125	5	20
Cadmium 0.50	ט ט	50.0	54.86		ug/L		110	75 . 125	5	20
Chromium 5.0	υ	100	115.9		ug/L		116	75 - 125	6	20
Cobalt 7.4	5	50.0	61.14		ug/L		107	75 - 125	4	20
Lead 2.5	ט כ	505	553.2		ug/L		109	75 . 125	5	20
Manganese 10	4	400	531.4		ug/L		107	75 - 125	5	20
Thallium 1.0	ט כ	50.0	56.03		ug/L		112	75 - 125	6	20

Lab Sample ID: MB 680-749411/1-A Client Sample ID: Method Blank Matrix: Water Prep Type: Total Recoverable

Analysis Batch: 749688 Prep Batch: 749411

COLUMN TARRACTES ACCUSATION TO THE STATE OF	MB	MB						SHERRY MOREOURNESS		
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Antimony	5.00	U	5.00	7.500	ug/L	10-01	11/08/22 05:57	11/08/22 21:06	1	
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:57	11/08/22 21:06	1	
Barium	5.00	U	5.00		ug/L		11/08/22 05:57	11/08/22 21:06	1	
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:57	11/08/22 21:06	1	
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:57	11/08/22 21:06	1	
Chromium	5.00	U	5.00		ug/L		11/08/22 05:57	11/08/22 21:06	1	
Cobalt	0.500	U	0.500		ug/L		11/08/22 05:57	11/08/22 21:06	1	
Lead	2.50	U	2.50		ug/L		11/08/22 05:57	11/08/22 21:06	1	
Manganese	5.00	Ü.	5.00		ug/L		11/08/22 05:57	11/08/22 21:06	1	
Thallium	100	II.	1.00		ual		11/08/22 05:57	11/08/22 21:06	1	

Lab Sample ID: LCS 680-749411/2-A Client Sample ID: Lab Control Sample

Matrix: Water Prep Type: Total Recoverable Analysis Batch: 749688 Prep Batch: 749411

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Antimony	50.0	51.66		ug/L		103	80 - 120	
Arsenic	100	101.7		ug/L		102	80 - 120	
Barium	100	101.4		ug/L		101	80 . 120	
Beryllium	50.0	49.97		ug/L		100	80 - 120	

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Lab Sample ID: LCS 680-749411/2-A

30b ID. 000-224044-1

Client Sample ID: Lab Control Sample

Method: 6020B - N	Vietals (ICP/MS)	(Continued)
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Matrix: Water						Prep	Type: Total R	lecoverable
Analysis Batch: 749688							Prep Ba	tch: 749411
100 Team Action	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Cadmium	50.0	51.72		ug/L		103	80 - 120	
Chromium	100	105.6		ug/L		106	80 . 120	
Cobalt	50.0	52.84		ug/L		108	80 - 120	
Lead	505	493.0		ug/L		98	80 - 120	
Manganese	400	393.6		ug/L		98	80 . 120	
Thallium	50.0	48.78		ug/L		98	80 - 120	

Lab Sample ID: 680-224844-41 MS

Matrix: Water

Analysis Batch: 749688

Cli	ent Sample ID: AF 47654
Prep	Type: Total Recoverable
	Prep Batch: 749411

Analysis Batch: 749088									Pieh Do	iten: 749411
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Antimony	5.00	U	50.0	53.25		ug/L		107	75 . 125	
Arsenic	3.00	U	100	104.9		ug/L		105	75 - 125	
Barium	40.3		100	140.1		ug/L		100	75 . 125	
Beryllium	0.500	U	50.0	53.58		ug/L		107	75 - 125	
Cadmium	0.500	U	50.0	52.08		ug/L		104	75 - 125	
Chromium	5.00	U	100	108.4		ug/L		108	75 . 125	
Cobalt	0.500	U	50.0	54.23		ug/L		109	75 - 125	
Lead	2.50	U	505	514.3		ug/L		102	75 - 125	
Manganese	114		400	517.9		ug/L		101	75 . 125	
Thallium	1.00	U	50.0	51.44		ug/L		103	75 - 125	

Lab Sample ID: 680-224844-41 MSD

Matrix: Water

Analysis Batch: 749688

Client Sample ID: AF 47654
Prep Type: Total Recoverable
Prep Batch: 749411

Hilaysis Dutch 145000										Juccii. I	10111
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	5.00	U	50.0	50.44		ug/L		101	75 . 125	- 5	20
Arsenic	3.00	U	100	100.8		ug/L		101	75 - 125	4	20
Barium	40.3		100	135.4		ug/L		95	75 - 125	3	20
Beryllium	0.500	U	50.0	50.64		ug/L		101	75 . 125	6	20
Cadmium	0.500	U	50.0	49.89		ug/L		100	75 - 125	4	20
Chromium	5.00	U	100	103.1		ug/L		103	75 . 125	5	20
Cobalt	0.500	U	50.0	51.72		ug/L		104	75 - 125	5	20
Lead	2.50	U	505	485.0		ug/L		96	75 - 125	6	20
Manganese	114		400	495.2		ug/L		95	75 . 125	4	20
Thallium	1.00	U	50.0	48.73		ug/L		97	75 - 125	5	20

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Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Metals

Prep Batch: 589627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
680-224844-1	AF47633	TotaVNA	Water	3010A	
880-224844-2	AF47632	TotaVNA	Water	3010A	
880-2248443	AF47651	TotaVNA	Water	3010A	
80-2248444	AF47650	TotaVNA	Water	3010A	
80-224844-5	AF47649	TotaVNA	Water	3010A	
80-2248446	AF47647	TotaVNA	Water	3010A	
80-2248447	AF47648	TotaVNA	Water	3010A	
80-2248448	AF47652	TotaVNA	Water	3010A	
80-2248449	AF47646	TotaVNA	Water	3010A	
80-224844 10	AF47621	Total/NA	Water	3010A	
80-224844-11	AF47630	TotaVNA	Water	3010A	
80-224844-12	AF47628	TotaVNA	Water	3010A	
80-224844-13	AF47629	TotaVNA	Water	3010A	
80-224844-14	AF47627	TotaVNA	Water	3010A	
80-224844-15	AF47626	TotaVNA	Water	3010A	
80-224844-16	AF47625	TotaVNA	Water	3010A	
80-224844-17	AF47624	TotaVNA	Water	3010A	
80-224844-18	AF47623	TotaVNA	Water	3010A	
80-224844-19	AF47622	TotaVNA	Water	3010A	
80-224844-20	AF47659	TotaVNA	Water	3010A	
/IB 160-589627/1-A	Method Blank	TotaVNA	Water	3010A	
LCS 160-589627/2-A	Lab Control Sample	TotaVNA	Water	3010A	
80-2248442 MS	AF47632	TotaVNA	Water	3010A	
880-224844-2 MSD	AF47632	TotaVNA	Water	3010A	

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-21	AF47660	TotaVNA	Water	3010A	
680-224844-22	AF47661	TotaVNA	Water	3010A	
680-224844-23	AF47634	TotaVNA	Water	3010A	
680-224844-24	AF47635	TotaVNA	Water	3010A	
880-224844-25	AF47636	TotaVNA	Water	3010A	
880-224844-26	AF47637	Total/NA	Water	3010A	
80-224844-27	AF47638	TotaVNA	Water	3010A	
80-224844-28	AF47643	TotaVNA	Water	3010A	
80-224844-29	AF47644	TotaVNA	Water	3010A	
80-224844-30	AF47631	TotaVNA	Water	3010A	
80-22484431	AF47655	TotaVNA	Water	3010A	
80-22484432	AF47662	TotaVNA	Water	3010A	
80-22484433	AF47663	TotaVNA	Water	3010A	
80-22484434	AF47658	TotaVNA	Water	3010A	
80-22484435	AF47639	TotaVNA	Water	3010A	
80-224844-36	AF47646	TotaVNA	Water	3010A	
80-224844-37	AF47641	TotaVNA	Water	3010A	
80-22484438	AF47642	TotaVNA	Water	3010A	
80-224844-39	AF47640	TotaVNA	Water	3010A	
80-22484440	AF47663	TotaVNA	Water	3010A	
MB 160-589628/1-A	Method Blank	TotaVNA	Water	3010A	
LCS 160-589628/2-A	Lab Control Sample	TotaVNA	Water	3010A	
80-224844-24 MS	AF47635	Total/NA	Water	3010A	
80-224844-24 MSD	AF47635	Total/NA	Water	3010A	

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Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Metals

Prep Batch: 589629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bato
80-224844-1	AF47633	Dissolved	Water	3005A	
80-224844-2	AF47632	Dissolved	Water	3005A	
80-2248443	AF47651	Dissolved	Water	3005A	
80-2248444	AF47650	Dissolved	Water	3005A	
80-224844-5	AF47649	Dissolved	Water	3005A	
80-2248446	AF47647	Dissolved	Water	3005A	
80-2248447	AF47648	Dissolved	Water	3005A	
80-2248448	AF47652	Dissolved	Water	3005A	
80-2248449	AF47646	Dissolved	Water	3005A	
80-224844-10	AF47621	Dissolved	Water	3005A	
80-224844-11	AF47630	Dissolved	Water	3005A	
80-224844-12	AF47628	Dissolved	Water	3005A	
80-224844-13	AF47629	Dissolved	Water	3005A	
80-224844-14	AF47627	Dissolved	Water	3005A	
80-224844-15	AF47626	Dissolved	Water	3005A	
80-224844-16	AF47625	Dissolved	Water	3005A	
80-22484441	AF47654	TotaVNA	Water	3010A	
80-224844-42	AF47657	TotaVNA	Water	3010A	
80-224844-43	AF47664	TotaVNA	Water	3010A	
80-22484444	AF47656	TotaVNA	Water	3010A	
MB 160-58962971-A	Method Blank	TotaVNA	Water	3010A	
LCS 160-589629/2-A	Lab Control Sample	Total/NA	Water	3010A	
80-224844 1 MS	AF47633	Dissolved	Water	3005A	
380-224844-1 MSD	AF47633	Dissolved	Water	3005A	

Prep Batch: 589630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-224844-17	AF47624	Dissolved	Water	3005A	
880-224844-18	AF47623	Dissolved	Water	3005A	
880-224844-19	AF47622	Dissolved	Water	3005A	
880-224844-20	AF47659	Dissolved	Water	3005A	
80-224844-21	AF47660	Dissolved	Water	3005A	
80-224844-22	AF47661	Dissolved	Water	3005A	
80-224844-23	AF47634	Dissolved	Water	3005A	
80-224844-24	AF47635	Dissolved	Water	3005A	
80-224844-25	AF47636	Dissolved	Water	3005A	
80-224844-26	AF47637	Dissolved	Water	3005A	
80-224844-27	AF47638	Dissolved	Water	3005A	
80-224844-28	AF47643	Dissolved	Water	3005A	
80-224844-29	AF47644	Dissolved	Water	3005A	
80-22484430	AF47631	Dissolved	Water	3005A	
80-22484431	AF47655	Dissolved	Water	3005A	
80-22484432	AF47662	Dissolved	Water	3005A	
80-22484433	AF47663	Dissolved	Water	3005A	
80-22484434	AF47658	Dissolved	Water	3005A	
80-224844-35	AF47639	Dissolved	Water	3005A	
80-22484436	AF47646	Dissolved	Water	3005A	
//B 160-589630/1-A	Method Blank	Total Recoverable	Water	3010A	
.CS 160-589630/2-A	Lab Control Sample	Total Recoverable	Water	3010A	
80-224844-17 MS	AF47624	Dissolved	Water	3005A	
80-224844-17 MSD	AF47624	Dissolved	Water	3005A	

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Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Metals

Prep Batch: 589631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-22484437	AF47641	Dissolved	Water	3005A	
680-22484438	AF47642	Dissolved	Water	3005A	
680-22484439	AF47640	Dissolved	Water	3005A	
680-224844-40	AF47653	Dissolved	Water	3005A	
680-224844-41	AF47654	Dissolved	Water	3005A	
680-224844-42	AF47657	Dissolved	Water	3005A	
680-224844-43	AF47664	Dissolved	Water	3005A	
680-22484444	AF47656	Dissolved	Water	3005A	
MB 160-589631/1-A	Method Blank	Total Recoverable	Water	3010A	
LCS 160-589631/2-A	Lab Control Sample	Total Recoverable	Water	3010A	
680-224844-37 MS	AF47641	Dissolved	Water	3005A	
680-22484437 MSD	AF47641	Dissolved	Water	3005A	

Analysis Batch: 590073

ab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
80-2248441	AF47633	Dissolved	Water	6020A	589629
80-224844-1	AF47633	Total/NA	Water	6020B	589627
80-224844-2	AF47632	Dissolved	Water	6020A	589629
80-224844-2	AF47632	Total/NA	Water	6020B	589627
80-2248443	AF47651	Dissolved	Water	6020A	589629
80-2248443	AF47651	Total/NA	Water	6020B	589627
80-2248444	AF47650	Dissolved	Water	6020A	589629
80-2248444	AF47650	TotaVNA	Water	6020B	589627
80-224844-5	AF47649	Dissolved	Water	6020A	589629
80-2248445	AF47649	TotaVNA	Water	6020B	589627
80-2248446	AF47647	Dissolved	Water	6020A	589629
80-2248446	AF47647	TotaVNA	Water	6020B	589627
80-2248447	AF47648	Dissolved	Water	6020A	589629
80-2248447	AF47648	TotaVNA	Water	6020B	589627
80-2248448	AF47652	Dissolved	Water	6020A	589629
80-2248448	AF47652	TotaVNA	Water	6020B	58962
80-2248449	AF47646	Dissolved	Water	6020A	58962
80-2248449	AF47646	TotaVNA	Water	6020B	589627
80-224844-10	AF47621	Dissolved	Water	6020A	589629
80-224844-10	AF47621	Total/NA	Water	6020B	58962
80-224844-11	AF47630	Dissolved	Water	6020A	589629
80-224844-11	AF47630	TotaVNA	Water	6020B	589627
80-224844-12	AF47628	Dissolved	Water	6020A	589629
80-224844-12	AF47628	Total/NA	Water	6020B	589627
80-224844-13	AF47629	Dissolved	Water	6020A	589629
80-224844-13	AF47629	TotaVNA	Water	6020B	589627
80-22484414	AF47627	Dissolved	Water	6020A	589629
80-22484414	AF47627	Total/NA	Water	6020B	589627
80-224844-15	AF47626	Dissolved	Water	6020A	58962
80-224844-15	AF47626	Total/NA	Water	6020B	58962
80-224844-16	AF47625	Dissolved	Water	6020A	58962
80-224844-16	AF47625	Total/NA	Water	6020B	589627
80-224844-17	AF47624	Dissolved	Water	6020A	589630
80-224844-17	AF47624	TotaVNA	Water	6020B	589627
80-224844-18	AF47623	Dissolved	Water	6020A	589630
80-224844-18	AF47623	Total/NA	Water	6020B	589627

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Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Metals (Continued)

Analysis Batch: 590073 (Continued)

ab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bat
80-224844-19	AF47622	Dissolved	Water	6020A	5896
80-224844-19	AF47622	Total/NA	Water	6020B	5896
80-224844-20	AF47659	Dissolved	Water	6020A	5896
80-224844-20	AF47659	Total/NA	Water	6020B	5896
80-224844-21	AF47660	Dissolved	Water	6020A	5896
80-224844-21	AF47680	Total/NA	Water	6020B	5896
80-224844-22	AF47661	Dissolved	Water	6020A	5896
80-224844-22	AF47661	Total/NA	Water	6020B	5896
80-224844-23	AF47634	Dissolved	Water	6020A	5896
80-224844-23	AF47634	TotaVNA	Water	6020B	5896
80-224844-24	AF47635	Dissolved	Water	6020A	5896
80-224844-24	AF47635	Total/NA	Water	6020B	5896
80-224844-25	AF47636	Dissolved	Water	6020A	5896
80-224844-25	AF47636	TotaVNA	Water	6020B	5896
80-224844-26	AF47637	Dissolved	Water	6020A	5896
80-224844-26	AF47637	Total/NA	Water	6020B	5896
80-224844-27	AF47638	Dissolved	Water	6020A	5896
80-224844-27	AF47638	TotaVNA	Water	6020B	589
90-224844-28	AF47643	Dissolved	Water	6020A	5890
30-224844-28	AF47643	TotaVNA	Water	6020B	589
80-224844-29	AF47644	Dissolved	Water	6020A	5890
30-224844-29	AF47644	TotaVNA	Water	6020B	589
30-22-4844-30	AF47631	Dissolved	Water	6020A	589
30-22- 10-1-1 30 30-22-4844-30	AF47631	TotaVNA	Water	6020B	589
30-22-484431		Dissolved	Water	6020A	589
90-22 4844 31	AF47655	TotaVNA	Water	6020B	5890
80-22484432	AF 47 655 AF 47 662	Dissolved	Water	6020A	5896
80-22484432	AF47662	TotaVNA	Water	6020B	5890
90-22484433 90-22484433	AF47663	Dissolved	Water	6020A	589
30-22484433 	AF-47-663	TotaVNA	Water	6020B	589
30-22484434	AF47658	Dissolved	Water	6020A	589
30-22484434	AF47658	TotaVNA	Water	6020B	589
30-22484435	AF47639	Dissolved	Water	6020A	589
30-22484435	AF47639	Total/NA	Water	6020B	589
30-22484436	AF47646	Dissolved	Water	6020A	589
30-22484436	AF47645	Total/NA	Water	6020B	589
80-22484437	AF47641	Dissolved	Water	6020A	589
30-22484437	AF47641	TotaVNA	Water	6020B	589
30-22484438	AF47642	Dissolved	Water	6020A	589
30-22484438	AF47642	Total/NA	Water	6020B	589
30-22484439	AF47640	Dissolved	Water	6020A	589
30-22484439	AF47640	TotaVNA	Water	6020B	589
30-22484440	AF47663	Dissolved	Water	6020A	589
30-22484440	AF47663	Total/NA	Water	6020B	589
30-22484441	AF47654	Dissolved	Water	6020A	589
30-22484441	AF47654	TotaVNA	Water	6020B	589
30-22484442	AF47657	Dissolved	Water	6020A	589
30-224844-42	AF47657	Total/NA	Water	6020B	589
80-224844-43	AF47664	Dissolved	Water	6020A	589
80-224844-43	AF47664	Total/NA	Water	6020B	5896
80-224844-44	AF47656	Dissolved	Water	6020A	5890

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Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Metals (Continued)

Anah	/cie	Ratch:	500073	(Continued)	١
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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-22484444	AF47656	Total/NA	Water	6020B	589629
MB 160-589627/1-A	Method Blank	TotaVNA	Water	6020B	589627
MB 160-589628/1-A	Method Blank	Total/NA	Water	6020B	589628
MB 160-589629/1-A	Method Blank	TotaVNA	Water	6020B	589629
MB 160-589630/1-A	Method Blank	Total Recoverable	Water	6020A	589630
MB 160-589631/1-A	Method Blank	Total Recoverable	Water	6020A	589631
LCS 160-589627/2-A	Lab Control Sample	Total/NA	Water	6020B	589627
LCS 160-589628/2-A	Lab Control Sample	TotaVNA	Water	6020B	589628
LCS 160-589629/2-A	Lab Control Sample	Total/NA	Water	6020B	589629
LCS 160-589630/2-A	Lab Control Sample	Total Recoverable	Water	6020A	589630
LCS 160-589631/2-A	Lab Control Sample	Total Recoverable	Water	6020A	589631
680-224844-1 MS	AF47633	Dissolved	Water	6020A	589629
680-224844-1 MSD	AF47633	Dissolved	Water	6020A	589629
680-224844-2 MS	AF47632	Total/NA	Water	6020B	589627
680-224844-2 MSD	AF47632	Total/NA	Water	6020B	589627
680-224844-17 MS	AF47624	Dissolved	Water	6020A	589630
680-224844-17 MSD	AF47624	Dissolved	Water	6020A	589630
680-224844-24 MS	AF47635	TotaVNA	Water	6020B	589628
680-224844-24 MSD	AF47635	TotaVNA	Water	6020B	589628
680-22484437 MS	AF47641	Dissolved	Water	6020A	589631
680-22484437 MSD	AF47641	Dissolved	Water	6020A	589631

Analysis Batch: 590226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-14	AF47627	Dissolved	Water	6020A	589629
680-224844-15	AF47626	Dissolved	Water	6020A	589629
680-22484434	AF47658	Dissolved	Water	6020A	589630

Prep Batch: 749406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-1	AF47633	Total Recoverable	Water	3005A	
680-224844-2	AF47632	Total Recoverable	Water	3005A	
680-224844-3	AF47651	Total Recoverable	Water	3005A	
680-2248444	AF47650	Total Recoverable	Water	3005A	
680-224844-5	AF47649	Total Recoverable	Water	3005A	
680-224844-6	AF47647	Total Recoverable	Water	3005A	
680-2248447	AF47648	Total Recoverable	Water	3005A	
680-2248448	AF47652	Total Recoverable	Water	3005A	
680-2248449	AF47646	Total Recoverable	Water	3005A	
880-224844-10	AF47621	Total Recoverable	Water	3005A	
880-224844-11	AF47630	Total Recoverable	Water	3005A	
680-224844-12	AF47628	Total Recoverable	Water	3005A	
680-224844-13	AF47629	Total Recoverable	Water	3005A	
680-22484414	AF47627	Total Recoverable	Water	3005A	
880-224944-15	AF47626	Total Recoverable	Water	3005A	
880-224844 16	AF47625	Total Recoverable	Water	3005A	
680-224844-17	AF47624	Total Recoverable	Water	3005A	
680-224844-18	AF47623	Total Recoverable	Water	3005A	
680-224844-19	AF47622	Total Recoverable	Water	3005A	
680-224844-20	AF47659	Total Recoverable	Water	3005A	
MB 680-749406/1-A	Method Blank	Total Recoverable	Water	3005A	

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

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Metals (Continued)

Prep Batch: 749406 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-749406/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-224844-1 MS	AF47633	Total Recoverable	Water	3005A	
680-224844-1 MSD	AF47633	Total Recoverable	Water	3005A	

Prep Batch: 749407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
80-224844-1	AF47633	Total Recoverable	Water	3005A	
680-224844-2	AF47632	Total Recoverable	Water	3005A	
680-224844-3	AF47651	Total Recoverable	Water	3005A	
680-224844-4	AF47650	Total Recoverable	Water	3005A	
80-224844-5	AF47649	Total Recoverable	Water	3005A	
680-224844-6	AF47647	Total Recoverable	Water	3005A	
80-224844-7	AF47648	Total Recoverable	Water	3005A	
80-224844-8	AF47652	Total Recoverable	Water	3005A	
80-224844-9	AF47646	Total Recoverable	Water	3005A	
80-224844-10	AF47621	Total Recoverable	Water	3005A	
680-224844-11	AF47630	Total Recoverable	Water	3005A	
80-224844-12	AF47628	Total Recoverable	Water	3005A	
680-224844-13	AF47629	Total Recoverable	Water	3005A	
80-224844-14	AF47627	Total Recoverable	Water	3005A	
80-224844-15	AF47626	Total Recoverable	Water	3005A	
80-224844-16	AF47625	Total Recoverable	Water	3005A	
80-224844-17	AF47624	Total Recoverable	Water	3005A	
680-224844-18	AF47623	Total Recoverable	Water	3005A	
680-224844-19	AF47622	Total Recoverable	Water	3005A	
680-224844-20	AF47659	Total Recoverable	Water	3005A	
MB 680-749407/1-A	Method Blank	Total Recoverable	Water	3005A	
_CS 680-749407/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-224844-1 MS	AF47633	Total Recoverable	Water	3005A	
680-224844-1 MSD	AF47633	Total Recoverable	Water	3005A	

Prep Batch: 749408

ab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
80-224844-21	AF47660	Total Recoverable	Water	3005A	
680-224844-22	AF47661	Total Recoverable	Water	3005A	
80-224844-23	AF47634	Total Recoverable	Water	3005A	
80-224844-24	AF47635	Total Recoverable	Water	3005A	
80-224844-25	AF47636	Total Recoverable	Water	3005A	
80-224844-26	AF47637	Total Recoverable	Water	3005A	
80-224844-27	AF47638	Total Recoverable	Water	3005A	
80-224844-28	AF47643	Total Recoverable	Water	3005A	
80-224844-29	AF47644	Total Recoverable	Water	3005A	
80-224844-30	AF47631	Total Recoverable	Water	3005A	
80-224844-31	AF47655	Total Recoverable	Water	3005A	
80-224844-32	AF47662	Total Recoverable	Water	3005A	
80-224844-33	AF47663	Total Recoverable	Water	3005A	
80-224844-34	AF47658	Total Recoverable	Water	3005A	
80-224844-35	AF47639	Total Recoverable	Water	3005A	
80-224844-36	AF47645	Total Recoverable	Water	3005A	
80-224844-37	AF47641	Total Recoverable	Water	3005A	
80-224844-38	AF47642	Total Recoverable	Water	3005A	

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Metals (Continued)

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Prep	Batch:	749408	(Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-39	AF47640	Total Recoverable	Water	3005A	
680-224844-40	AF47653	Total Recoverable	Water	3005A	
MB 680-749408/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-749408/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-224844-21 MS	AF47660	Total Recoverable	Water	3005A	
680-224844-21 MSD	AF47660	Total Recoverable	Water	3005A	

Prep Batch: 749409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-21	AF47660	Total Recoverable	Water	3005A	
680-224844-22	AF47661	Total Recoverable	Water	3005A	
680-224844-23	AF47634	Total Recoverable	Water	3005A	
680-224844-24	AF47635	Total Recoverable	Water	3005A	
680-224844-25	AF47636	Total Recoverable	Water	3005A	
680-224844-26	AF47637	Total Recoverable	Water	3005A	
680-224844-27	AF47638	Total Recoverable	Water	3005A	
680-224844-28	AF47643	Total Recoverable	Water	3005A	
680-224844-29	AF47644	Total Recoverable	Water	3005A	
680-22484430	AF47631	Total Recoverable	Water	3005A	
680-22484431	AF47655	Total Recoverable	Water	3005A	
680-22484432	AF47662	Total Recoverable	Water	3005A	
680-22484433	AF47663	Total Recoverable	Water	3005A	
680-22494434	AF47658	Total Recoverable	Water	3005A	
680-22484435	AF47639	Total Recoverable	Water	3005A	
680-22484436	AF47646	Total Recoverable	Water	3005A	
680-22484437	AF47641	Total Recoverable	Water	3005A	
680-22484438	AF47642	Total Recoverable	Water	3005A	
680-22484439	AF47640	Total Recoverable	Water	3005A	
680-224844-40	AF47663	Total Recoverable	Water	3005A	
MB 680-749409/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-749409/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-224844-21 MS	AF47660	Total Recoverable	Water	3005A	
680-224844-21 MSD	AF47680	Total Recoverable	Water	3005A	

Prep Batch: 749410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-41	AF47654	Total Recoverable	Water	3005A	
880-224844-42	AF47657	Total Recoverable	Water	3005A	
680-224844-43	AF47664	Total Recoverable	Water	3005A	
680-22484444	AF47656	Total Recoverable	Water	3005A	
MB 680-749410/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-749410/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-224844-41 MS	AF47654	Total Recoverable	Water	3005A	
680-224844-41 MSD	AF47654	Total Recoverable	Water	3005A	

Prep Batch: 749411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-41	AF47654	Total Recoverable	Water	3005A	
680-224844-42	AF47657	Total Recoverable	Water	3005A	
680-224844-43	AF47664	Total Recoverable	Water	3005A	
680-224844-44	AF47656	Total Recoverable	Water	3005A	

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Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Metals (Continued)

Prep Batch: 749411 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-749411/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-749411/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-224844-41 MS	AF47654	Total Recoverable	Water	3005A	
680-224844-41 MSD	AF47654	Total Recoverable	Water	3005A	

Analysis Batch: 749688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-41	AF47654	Total Recoverable	Water	6020B	749411
680-224844-42	AF47657	Total Recoverable	Water	6020B	749411
680-224844-43	AF47664	Total Recoverable	Water	6020B	749411
680-224844-44	AF47656	Total Recoverable	Water	6020B	749411
MB 680-749411/1-A	Method Blank	Total Recoverable	Water	6020B	749411
LCS 680-749411/2-A	Lab Control Sample	Total Recoverable	Water	6020B	749411
680-224844-41 MS	AF47654	Total Recoverable	Water	6020B	749411
680-224844-41 MSD	AF47654	Total Recoverable	Water	6020B	749411

Analysis Batch: 749694

₋ab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
80-224844-1	AF47633	Total Recoverable	Water	6010D	74940
80-224844-2	AF47632	Total Recoverable	Water	6010D	74940
80-224844-3	AF47651	Total Recoverable	Water	6010D	74940
80-224844-4	AF47650	Total Recoverable	Water	6010D	74940
80-224844-5	AF47649	Total Recoverable	Water	6010D	74940
80-224844-6	AF47647	Total Recoverable	Water	6010D	74940
80-224844-7	AF47648	Total Recoverable	Water	6010D	74940
80-224844-8	AF47652	Total Recoverable	Water	6010D	74940
80-224844-9	AF47646	Total Recoverable	Water	6010D	74940
80-224844-10	AF47621	Total Recoverable	Water	6010D	74940
80-224844-11	AF47630	Total Recoverable	Water	6010D	74940
80-224844-12	AF47628	Total Recoverable	Water	6010D	74940
80-224844-13	AF47629	Total Recoverable	Water	6010D	74940
80-224844-14	AF47627	Total Recoverable	Water	6010D	74940
80-224844-15	AF47626	Total Recoverable	Water	6010D	74940
80-224844-16	AF47625	Total Recoverable	Water	6010D	74940
80-224844-17	AF47624	Total Recoverable	Water	6010D	74940
80-224844-18	AF47623	Total Recoverable	Water	6010D	74940
80-224844-19	AF47622	Total Recoverable	Water	6010D	74940
80-224844-20	AF47659	Total Recoverable	Water	6010D	74940
80-224844-21	AF47660	Total Recoverable	Water	6010D	74940
80-224844-22	AF47661	Total Recoverable	Water	6010D	74940
80-224844-23	AF47634	Total Recoverable	Water	6010D	74940
80-224844-24	AF47635	Total Recoverable	Water	6010D	74940
80-224844-25	AF47636	Total Recoverable	Water	6010D	74940
80-224844-26	AF47637	Total Recoverable	Water	6010D	74940
80-224844-27	AF47638	Total Recoverable	Water	6010D	74940
80-224844-28	AF47643	Total Recoverable	Water	6010D	74940
80-224844-29	AF47644	Total Recoverable	Water	6010D	74940
80-224844-30	AF47631	Total Recoverable	Water	6010D	74940
80-224844-31	AF47655	Total Recoverable	Water	6010D	74940
80-224844-32	AF47662	Total Recoverable	Water	6010D	74940
80-224844-33	AF47663	Total Recoverable	Water	6010D	74940

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Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Metals (Continued)

Analysis Batc	h · 749694	(Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-22484434	AF47658	Total Recoverable	Water	6010D	749408
680-22484435	AF47639	Total Recoverable	Water	6010D	749408
680-22484436	AF47646	Total Recoverable	Water	6010D	749408
680-22484437	AF47641	Total Recoverable	Water	6010D	749408
680-22484438	AF47642	Total Recoverable	Water	6010D	749408
680-22484439	AF47640	Total Recoverable	Water	6010D	7.49408
680-224844-40	AF47663	Total Recoverable	Water	6010D	7.49408
680-22484441	AF47654	Total Recoverable	Water	6010D	749410
680-224844-42	AF47657	Total Recoverable	Water	6010D	749410
680-224844-43	AF47664	Total Recoverable	Water	6010D	7. 494 10
680-224844-44	AF47656	Total Recoverable	Water	6010D	74 94 10
MB 680-749406/1-A	Method Blank	Total Recoverable	Water	6010D	749406
MB 680-749408/1-A	Method Blank	Total Recoverable	Water	6010D	749408
MB 680-74 94 10/1-A	Method Blank	Total Recoverable	Water	6010D	74 94 10
LCS 680-749406/2-A	Lab Control Sample	Total Recoverable	Water	6010D	749406
LCS 680-749408/2-A	Lab Control Sample	Total Recoverable	Water	6010D	74 94 08
LCS 680-749410/2-A	Lab Control Sample	Total Recoverable	Water	6010D	749410
680-224844-1 MS	AF47633	Total Recoverable	Water	6010D	74 04 06
680-224844-1 MSD	AF47633	Total Recoverable	Water	6010D	749406
680-224844-21 MS	AF47660	Total Recoverable	Water	6010D	749408
680-224844-21 MSD	AF47660	Total Recoverable	Water	6010D	749408
680-224844-41 MS	AF47654	Total Recoverable	Water	6010D	74 94 10
680-224844-41 MSD	AF47654	Total Recoverable	Water	6010D	749410

Analysis Batch: 749946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-8	AF47652	Total Recoverable	Water	6010D	749406
680-224844-14	AF47627	Total Recoverable	Water	6010D	7.49406
680-224844-15	AF47626	Total Recoverable	Water	6010D	749406
680-22484434	AF47658	Total Recoverable	Water	6010D	7,49408

Analysis Batch: 749990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-224844-1	AF47633	Total Recoverable	Water	6020B	749407
380-224844-2	AF47632	Total Recoverable	Water	6020B	740407
880-2248443	AF47651	Total Recoverable	Water	6020B	749407
80-2248444	AF47650	Total Recoverable	Water	6020B	74 04 07
80-2248445	AF47649	Total Recoverable	Water	6020B	749407
80-2248446	AF47647	Total Recoverable	Water	6020B	749407
80-2248447	AF47648	Total Recoverable	Water	6020B	749407
80-2248448	AF47652	Total Recoverable	Water	6020B	74 04 07
80-2248449	AF47646	Total Recoverable	Water	6020B	7. 494 07
80-224844 10	AF47621	Total Recoverable	Water	6020B	7. 404 07
80-224844 11	AF47630	Total Recoverable	Water	6020B	740407
80-224844-12	AF47628	Total Recoverable	Water	6020B	749407
80-224844-13	AF47629	Total Recoverable	Water	6020B	740407
80-22484414	AF47627	Total Recoverable	Water	6020B	7. 404 07
80-224844-15	AF47626	Total Recoverable	Water	6020B	749407
80-224844-16	AF47625	Total Recoverable	Water	6020B	740407
80-224844-17	AF47624	Total Recoverable	Water	6020B	7. 404 07
80-224844-18	AF47623	Total Recoverable	Water	6020B	749407

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Metals (Continued)

Analysis Batch: 749990 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-19	AF47622	Total Recoverable	Water	6020B	749407
680-224844-20	AF47669	Total Recoverable	Water	6020B	749407
680-224844-21	AF47660	Total Recoverable	Water	6020B	749409
680-224844-22	AF47661	Total Recoverable	Water	6020B	749409
680-224844-23	AF47634	Total Recoverable	Water	6020B	749409
680-224844-24	AF47635	Total Recoverable	Water	6020B	7.49409
680-224844-25	AF47636	Total Recoverable	Water	6020B	7.49409
680-224844-26	AF47637	Total Recoverable	Water	6020B	749409
680-224844-27	AF47638	Total Recoverable	Water	6020B	749409
680-224844-28	AF47643	Total Recoverable	Water	6020B	749409
680-224844-29	AF47644	Total Recoverable	Water	6020B	749409
680-22484430	AF47631	Total Recoverable	Water	6020B	749409
680-22484431	AF47655	Total Recoverable	Water	6020B	749409
680-22484432	AF47662	Total Recoverable	Water	6020B	749409
680-22484433	AF47663	Total Recoverable	Water	6020B	749409
680-22484434	AF47658	Total Recoverable	Water	6020B	749409
680-22484435	AF47639	Total Recoverable	Water	6020B	749409
680-22484436	AF47646	Total Recoverable	Water	6020B	749409
680-22484437	AF47641	Total Recoverable	Water	6020B	749409
680-224844-38	AF47642	Total Recoverable	Water	6020B	749409
680-22484439	AF47640	Total Recoverable	Water	6020B	749409
680-224844-40	AF47663	Total Recoverable	Water	6020B	749409
MB 680-749407/1-A	Method Blank	Total Recoverable	Water	6020B	749407
MB 680-749409/1-A	Method Blank	Total Recoverable	Water	6020B	749409
LCS 680-749407/2-A	Lab Control Sample	Total Recoverable	Water	6020B	749407
LCS 680-749409/2-A	Lab Control Sample	Total Recoverable	Water	6020B	749409
680-224844-1 MS	AF47633	Total Recoverable	Water	6020B	740407
680-224844-1 MSD	AF47633	Total Recoverable	Water	6020B	7.49407
680-224844-21 MS	AF47660	Total Recoverable	Water	6020B	7,49409
680-224844-21 MSD	AF47680	Total Recoverable	Water	6020B	7,49409

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Lab Sample ID: 680-224844-1

Matrix: Water

Client Sample ID: AF47633

Date Collected: 10/25/22 09:27 Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	60 10D		1	749894	BJB	EETSAV	11/08/22 23:10
Dissolved	Prep	3005A			589629	LKP	EETSL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 15:45
Total Recoverable	Prep	3005A			749407	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EETSAV	11/09/22 17:00
TotaVNA	Prep	3010A			589627	LKP	EETSL	11/10/22 14:04
TotaVNA	Analysis	6020B		2	590073	CGB	EETSL	11/14/22 20:20

Client Sample ID: AF47632

Date Collected: 10/25/22 10:34

Lab	Samp	le ID:	680-224844-2	
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Matrix: Water

Date Received: 11/05/22 11:38

Batch Batch Dilution Batch Prepared Method Prep Type Туре Run Factor Number Analyst Lab or Analyzed Total Recoverable 3005A 749406 RR **EETSAV** 11/08/22 04:59 Prep Total Recoverable Analysis 6010D 749694 BJB **EETSAV** 11/08/22 23:19 Dissolved 3005A 11/10/22 14:09 Prep 589629 LKP EETSL 11/14/22 15:59 Dissolved Analysis 6020A 2 590073 CGB EETSL Total Recoverable Prep 3005A 749407 RR **EETSAV** 11/08/22 04:59 Total Recoverable Analysis 6020B 1 749990 BWR **EETSAV** 11/09/22 17:08 TotaVNA Prep 3010A 589627 LKP EETSL 11/10/22 14:04 TotaVNA 11/14/22 20:23 Analysis 6020B 2 590073 CGB EETSL

Client Sample ID: AF47651

Date Collected: 10/25/22 11:10 Date Received: 11/05/22 11:38

Lab	Sam	ple ID:	680-224844-3
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Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	60 10D		1	749694	BJB	EETSAV	11/08/22 23:22
Dissolved	Prep	3005A			589629	LKP	EETSL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 16:13
Total Recoverable	Prep	3005A			749407	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EETSAV	11/09/22 17:11
Total/NA	Prep	3010A			589627	LKP	EETSL	11/10/22 14:04
TotaVNA	Analysis	6020B		1	590073	CGB	EETSL	11/14/22 20:50

Client Sample ID: AF47650

Date Collected: 10/25/22 12:46

Date Received: 11/05/22 11:38

Lab Sam	ple II): 680	-2248	344-4
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Matrix: Water

	Batch	Batch		Dilution	Batich			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	60 10D		1	749694	BJB	EETSAV	11/08/22 23:25

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Lab Sample ID: 680-224844-4

Matrix: Water

Client Sample ID: AF47650

Date Collected: 10/25/22 12:46 Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Dissolved	Prep	3005A			589629	LKP	EETSL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 16:16
Total Recoverable	Prep	3005A			749407	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		-21	749990	BWR .	EETSAV	11/09/22 17:14
Total/NA	Prep	3010A			589627	LKP	EETSL	11/10/22 14:04
TotaVNA	Analysis	6020B		2	590073	CGB	EETSL	11/14/22 20:54

Client Sample ID: AF47649 Lab Sample ID: 680-224844-5
Date Collected: 10/25/22 14:11 Matrix: Water

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	60 10D		1	749694	BJB	EETSAV	11/08/22 23:34
Dissolved	Prep	3005A			589629	LKP	EETSL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 16:20
Total Recoverable	Prep	3005A			749407	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		31	749990	BW/R	EETSAV	11/09/22 17:16
Total/NA	Prep	3010A			589627	LKP	EETSL	11/10/22 14:04
TotaVNA	Analysis	60208		2	590073	CGB	EETSL	11/14/22 20:57

Client Sample ID: AF47647 Lab Sample ID: 680-224844-6
Date Collected: 10/25/22 15:16 Matrix: Water

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batich			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	60 10D		31	749694	BJB	EETSAV	11/08/22 23:37
Dissolved	Prep	3005A			589629	LKP	EETSL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 16:23
Total Recoverable	Prep	3005A			749407	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	60208		1	749990	BWR	EETSAV	11/09/22 17:25
TotaVNA	Prep	3010A			589627	LKP	EETSL	11/10/22 14:04
TotaVNA	Analysis	60208		2	590073	CGB	EETSL	11/14/22 21:01

Client Sample ID: AF47648 Lab Sample ID: 680-224844-7
Date Collected: 10/25/22 15:21 Matrix: Water

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A	-		749406	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	60 10D		1	749694	BUB	EETSAV	11/08/22 23:40
Dissolved	Prep	3005A			589629	LKP	EETSL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 16:26

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Client Sample ID: AF47648

Date Collected: 10/25/22 15:21 Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-7

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749407	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	60208		1	749990	BWR	EETSAV	11/09/22 17:27
Total/NA	Prep	3010A			589627	LKP	EETSL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EETSL	11/14/22 21:04

Client Sample ID: AF47652

Date Collected: 10/26/22 09:24

Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-8

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
гер Туре	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	60 10D		1	749894	BJB	EETSAV	11/08/22 23:43
fotal Recoverable	Prep	3005A			749406	RR	EETSAV	11/08/22 04:59
fotal Recoverable	Analysis	60 10D		10	749946	BUB	EETSAV	11/09/22 15:44
issolved	Prep	3005A			589629	LKP	EETSL	11/10/22 14:09
issolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 16:30
Total Recoverable	Prep	3005A			749407	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		31	749990	BWR	EETSAV	11/09/22 17:30
TotaVNA	Prep	3010A			589627	LKP	EETSL	11/10/22 14:04
TotaVNA	Analysis	6020B		2	590073	CGB	EETSL	11/14/22 21:08

Client Sample ID: AF47646

Date Collected: 10/26/22 10:30

Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-9

Matrix: Water

	Batch	Batch		Dilution	Batich			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	60 10D		31	749694	BJB	EETSAV	11/08/22 23:46
Dissolved	Prep	3005A			589629	LKP	EETSL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 16:33
Total Recoverable	Prep	3005A			749407	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	60208		1	749990	BWR	EETSAV	11/09/22 17:33
TotaVNA	Prep	3010A			589627	LKP	EETSL	11/10/22 14:04
TotaVNA	Analysis	60208		2	590073	CGB	EETSL	11/14/22 21:11

Client Sample ID: AF47621

Date Collected: 10/26/22 11:47

Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-10

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A	-		749406	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	60 10D		1	749694	BUB	EETSAV	11/08/22 23:49
Dissolved	Prep	3005A			589629	LKP	EETSL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 16:37

2

Job ID: 680-224844-1

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Client Sample ID: AF47621

Date Collected: 10/26/22 11:47 Date Received: 11/05/22 11:38 Lab Sample ID: 680-224844-10

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749407	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EETSAV	11/09/22 17:35
TotaVNA	Prep	3010A			589627	LKP	EETSL	11/10/22 14:04
TotaVNA	Analysis	6020B		2	590073	CGB	EETSL	11/14/22 21:25

Client Sample ID: AF47630

Date Collected: 10/26/22 12:58

Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-11

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	60 10D		1	749894	BJB	EETSAV	11/08/22 23:52
Dissolved	Prep	3005A			589629	LKP	EETSL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 16:40
Total Recoverable	Prep	3005A			749407	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	60208		1	749990	BWR	EETSAV	11/09/22 17:38
TotaVNA	Prep	3010A			589627	LKP	EETSL	11/10/22 14:04
TotaVNA	Analysis	6020B		2	590073	CGB	EETSL	11/14/22 21:28

Client Sample ID: AF47628

Date Collected: 10/26/22 14:05

Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-12

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	60 10D		1	749694	BUB	EETSAV	11/08/22 23:55
Dissolved	Prep	3005A			589629	LKP	EETSL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 16:44
Total Recoverable	Prep	3005A			749407	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EETSAV	11/09/22 17:41
TotaVNA	Prep	3010A			589627	LKP	EETSL	11/10/22 14:04
TotaVNA	Analysis	60208		2	590073	CGB	EETSL	11/14/22 21:32

Client Sample ID: AF47629

Date Collected: 10/26/22 14:10

Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-13

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	60 10D		1	749894	BJB	EETSAV	11/08/22 23:58
Dissolved	Prep	3005A			589629	LKP	EETSL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 16:57
Total Recoverable	Prep	3005A			749407	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	60208		1	749990	BWR	EETSAV	11/09/22 17:44

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Lab Sample ID: 680-224844-13

Matrix: Water

Client Sample ID: AF47629

Date Collected: 10/26/22 14:10 Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
TotaVNA	Prep	3010A			589627	LKP	EETSL	11/10/22 14:04
TotaVNA	Analysis	6020B		2	590073	CGB	EETSL	11/14/22 21:35

Client Sample ID: AF47627

Date Collected: 10/26/22 15:32 Date Received: 11/05/22 11:38 Lab Sample ID: 680-224844-14

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
гер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
otal Recoverable	Prep	3005A			749406	RR	EETSAV	11/08/22 04:59
otal Recoverable	Analysis	60 10D		1	749694	BJB	EETSAV	11/09/22 00:01
otal Recoverable	Prep	3005A			749406	RR	EETSAV	11/08/22 04:59
otal Recoverable	Analysis	60 10D		10	749946	BUB	EETSAV	11/09/22 15:47
issolved	Prep	3005A			589629	LKP	EETSL	11/10/22 14:09
issolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 17:01
issolved	Prep	3005A			589629	LKP	EETSL	11/10/22 14:09
issolved	Analysis	6020A		5	590226	CGB	EETSL	11/15/22 15:58
otal Recoverable	Prep	3005A			749407	RR	EETSAV	11/08/22 04:59
otal Recoverable	Analysis	60208		31	749990	BWR	EETSAV	11/09/22 17:52
otaVNA	Prep	3010A			589627	LKP	EETSL	11/10/22 14:04
otaVNA	Analysis	6020B		2	590073	CGB	EETSL	11/14/22 21:38

Client Sample ID: AF47626

Date Collected: 10/27/22 09:41

Date Received: 11/05/22 11:38

Lab	Sami	nle	ID:	680-224844-15
LOW	o am	416		000 ZZ TOTT 10

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		31	749694	BJB	EETSAV	11/09/22 00:10
Total Recoverable	Prep	3005A			749406	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	60 10D		10	749946	BJB	EETSAV	11/09/22 15:50
Dissolved	Prep	3005A			589629	LKP	EETSL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 17:04
Dissolved	Prep	3005A			589629	LKP	EETSL	11/10/22 14:09
Dissolved	Analysis	6020A		10	590226	CGB	EETSL	11/15/22 16:02
Total Recoverable	Prep	3005A			749407	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EETSAV	11/09/22 17:54
TotaVNA	Prep	3010A			589627	LKP	EETSL	11/10/22 14:04
TotaVNA	Analysis	6020B		2	590073	CGB	EETSL	11/14/22 21:42

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Lab Sample ID: 680-224844-16

Matrix: Water

Job ID: 680-224844-1

Client Sample ID: AF47625

Date Collected: 10/27/22 11:01 Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	60 10D		1	749894	BJB	EETSAV	11/09/22 00:13
Dissolved	Prep	3005A			589629	LKP	EETSL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 17:08
Total Recoverable	Prep	3005A			749407	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	60208		1	749990	BWR	EETSAV	11/09/22 17:57
Total/NA	Prep	3010A			589627	LKP	EETSL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EETSL	11/14/22 21:45

Client Sample ID: AF47624

Date Collected: 10/27/22 12:15

Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-17

Matrix: Water

Batch Dilution Batch Batch Prepared Prep Type Туре Method Run Factor Number Analyst Lab or Analyzed Total Recoverable 3005A 749406 RR **EETSAV** 11/08/22 04:59 Prep Total Recoverable Analysis 6010D 749694 BJB **EETSAV** 11/09/22 00:16 1 3005A Dissolved Prep 589630 LKP EETSL 11/10/22 14:12 Dissolved Analysis 6020A 2 590073 CGB EETSL 11/14/22 17:18 Total Recoverable 3005A 749407 RR **EETSAV** 11/08/22 04:59 Prep Total Recoverable Analysis 6020B 1 749990 BWR **EETSAV** 11/09/22 18:00 TotaVNA 3010A 589627 LKP EETSL 11/10/22 14:04 Prep 11/14/22 21:49 TotaVNA Analysis 6020B 2 590073 CGB EETSL

Client Sample ID: AF47623

Date Collected: 10/27/22 13:24

Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-18

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	60 10D		1	749694	BJB	EETSAV	11/09/22 00:19
Dissolved	Prep	3005A			589630	LKP	EETSL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 17:42
Total Recoverable	Prep	3005A			749407	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	60208		1	749990	BWR	EETSAV	11/09/22 18:03
Total/NA	Prep	3010A			589627	LKP	EETSL	11/10/22 14:04
TotaVNA	Analysis	60208		2	590073	CGB	EETSL	11/14/22 21:52

Client Sample ID: AF47622

Date Collected: 10/27/22 14:46

Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-19

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	60 10D		1	749694	BUB	EETSAV	11/09/22 00:22

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47622

Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-19 Date Collected: 10/27/22 14:46

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Dissolved	Prep	3005A			589630	LKP	EETSL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 17:45
Total Recoverable	Prep	3005A			749407	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		∛1	749990	BWR	EETSAV	11/09/22 18:05
TotaVNA	Prep	3010A			589627	LKP	EETSL	11/10/22 14:04
Total/NA	Analysis	60208		2	590073	CGB	EETSL	11/14/22 21:56

Client Sample ID: AF47659 Date Collected: 10/27/22 15:56

Lab Sample ID: 680-224844-20

Matrix: Water

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	60 10D		1	749694	BUB	EETSAV	11/09/22 00:25
Dissolved	Prep	3005A			589630	LKP	EETSL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 17:49
Total Recoverable	Prep	3005A			749407	RR	EETSAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		31	749990	BW/R	EETSAV	11/09/22 18:08
TotaVNA	Prep	3010A			589627	LKP	EETSL	11/10/22 14:04
TotaVNA	Analysis	6020B		2	590073	CGB	EETSL	11/14/22 22:09

Client Sample ID: AF47660 Date Collected: 10/27/22 16:01

Lab Sample ID: 680-224844-21

Matrix: Water

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		31	749694	BJB	EETSAV	11/09/22 00:34
Dissolved	Prep	3005A			589630	LKP	EETSL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 17:52
Total Recoverable	Prep	3005A			749409	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	60208		1	749990	BWR	EETSAV	11/09/22 18:27
TotaVNA	Prep	3010A			589628	LKP	EETSL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EETSL	11/14/22 22:20

Client Sample ID: AF47661

Lab Sample ID: 680-224844-22

Matrix: Water

Date Collected: 10/31/22 10:13 Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A	74,000,000		749408	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	60 10D		1	749694	BUB	EETSAV	11/09/22 00:49
Dissolved	Prep	3005A			589630	LKP	EETSL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 17:58

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Client Sample ID: AF47661

Date Collected: 10/31/22 10:13 Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-22

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749409	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EETSAV	11/09/22 18:35
Total/NA	Prep	3010A			589628	LKP	EETSL	11/10/22 14:07
TotaVNA	Analysis	6020B		2	590073	CGB	EETSL	11/14/22 22:23

Client Sample ID: AF47634 Lab Sample ID: 680-224844-23

Date Collected: 10/31/22 11:27 Matrix: Water

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
гер Туре	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	60 10D		1	749894	BJB	EETSAV	11/09/22 00:52
issolved	Prep	3005A			589630	LKP	EETSL	11/10/22 14:12
issolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 17:59
Total Recoverable	Prep	3005A			749409	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EETSAV	11/09/22 18:38
Total/NA	Prep	3010A			589628	LKP	EETSL	11/10/22 14:07
TotaVNA	Analysis	6020B		2	590073	CGB	EETSL	11/14/22 22:27

Lab Sample ID: 680-224844-24 Client Sample ID: AF47635 Matrix: Water

Date Collected: 10/31/22 11:32

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	60 10D		1	749694	BJB	EETSAV	11/09/22 00:55
Dissolved	Prep	3005A			589630	LKP.	EETSL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 18:02
Total Recoverable	Prep	3005A			749409	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	60208		1	749990	BWR	EETSAV	11/09/22 18:41
TotaVNA	Prep	3010A			589628	LKP	EETSL	11/10/22 14:07
TotaVNA	Analysis	60208		2	590073	CGB	EETSL	11/14/22 22:30

Client Sample ID: AF47636 Lab Sample ID: 680-224844-25 Date Collected: 10/31/22 12:40 Matrix: Water

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	60 10D		1	749694	BJB	EETSAV	11/09/22 00:58
Dissolved	Prep	3005A			589630	LKP	EETSL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 18:06
Total Recoverable	Prep	3005A			749409	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	60208		1	749990	BWR	EETSAV	11/09/22 18:43

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Client Sample ID: AF47636

Date Collected: 10/31/22 12:40 Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-25

Matrix: Water

Job ID: 680-224844-1

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	3010A			589628	LKP	EETSL	11/10/22 14:07
TotaVNA	Analysis	6020B		2	590073	CGB	EETSL	11/14/22 22:57

Client Sample ID: AF47637

Date Received: 11/05/22 11:38

Date Collected: 10/31/22 13:42

Lab Sample ID: 680-224844-26

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	60 10D		1	749894	BJB	EETSAV	11/09/22 01:01
Dissolved	Prep	3005A			589630	LKP	EETSL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 18:09
Total Recoverable	Prep	3005A			749409	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	60208		1	749990	BWR	EETSAV	11/09/22 18:52
TotaVNA	Prep	3010A			589628	LKP	EETSL	11/10/22 14:07
TotaVNA	Analysis	6020B		2	590073	CGB	EETSL	11/14/22 23:01

Client Sample ID: AF47638

Date Collected: 10/31/22 14:32

Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-27

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	60 10D		1	749694	BJB	EETSAV	11/09/22 01:04
Dissolved	Prep	3005A			589630	LKP	EETSL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 18:13
Total Recoverable	Prep	3005A			749409	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		31	749990	BWR	EETSAV	11/09/22 18:54
Total/NA	Prep	3010A			589628	LKP	EETSL	11/10/22 14:07
TotaVNA	Analysis	60208		2	590073	CGB	EETSL	11/14/22 23:04

Client Sample ID: AF47643

Date Collected: 11/02/22 09:42

Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-28

Matrix: Water

	Batch	Batch		Dilution	Batich			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	60 10D		₹1	749694	BJB	EETSAV	11/09/22 01:07
Dissolved	Prep	3005A			589630	LKP	EETSL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 18:26
Total Recoverable	Prep	3005A			749409	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	60208		1	749990	BWR	EETSAV	11/09/22 18:57
TotaVNA	Prep	3010A			589628	LKP	EETSL	11/10/22 14:07
TotaVNA	Analysis	6020B		2	590073	CGB	EETSL	11/14/22 23:08

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Client Sample ID: AF47644

Lab Sample ID: 680-224844-29 Date Collected: 11/02/22 09:47

Matrix: Water Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	60 10D		1	749694	BJB	EETSAV	11/09/22 01:10
Dissolved	Prep	3005A			589630	LKP	EETSL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 18:30
Total Recoverable	Prep	3005A			749409	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EETSAV	11/09/22 19:00
TotaVNA	Prep	3010A			589628	LKP	EETSL	11/10/22 14:07
TotaVNA	Analysis	6020B		2	590073	CGB	EETSL	11/14/22 23:11

Client Sample ID: AF47631 Lab Sample ID: 680-224844-30 Date Collected: 11/02/22 11:02 Matrix: Water

Date Received: 11/05/22 11:38

Batch Batch Dilution Batch Prepared Method Prep Type Туре Run Factor Number Analyst Lab or Analyzed Total Recoverable 3005A 749408 RR **EETSAV** 11/08/22 05:33 Prep Total Recoverable Analysis 6010D 749694 BJB **EETSAV** 11/09/22 01:13 1 3005A 11/10/22 14:12 Dissolved Prep 589630 LKP EETSL Dissolved Analysis 6020A 2 590073 CGB EETSL 11/14/22 18:33 Total Recoverable 3005A 749409 RR **EETSAV** 11/08/22 05:33 Prep Total Recoverable Analysis 6020B 1 749990 BWR **EETSAV** 11/09/22 19:02 TotaVNA Prep 3010A 589628 LKP EETSL 11/10/22 14:07 TotaVNA 11/14/22 23:15 Analysis 6020B 2 590073 CGB EETSL

Client Sample ID: AF47655 Lab Sample ID: 680-224844-31 Date Collected: 11/02/22 12:32

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	60 10D		1	749894	BJB	EETSAV	11/09/22 01:23
Dissolved	Prep	3005A			589630	LKP	EETSL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 18:37
Total Recoverable	Prep	3005A			749409	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	60208		1	749990	BWR	EETSAV	11/09/22 19:05
Total/NA	Prep	3010A			589628	LKP	EETSL	11/10/22 14:07
TotaVNA	Analysis	6020B		2	590073	CGB	EETSL	11/14/22 23:18

Client Sample ID: AF47662 Lab Sample ID: 680-224844-32

Date Collected: 11/02/22 13:51 Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batich			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	60 10D		1	749694	BJB	EETSAV	11/09/22 01:26

Eurofins Savannah

Matrix: Water

Matrix: Water

11/22/2022

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Client Sample ID: AF47662

Date Collected: 11/02/22 13:51 Date Received: 11/05/22 11:38 Lab Sample ID: 680-224844-32

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Dissolved	Prep	3005A			589630	LKP	EETSL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 18:40
Total Recoverable	Prep	3005A			749409	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		∂1	749990	BWR	EETSAV	11/09/22 19:08
TotaVNA	Prep	3010A			589628	LKP	EETSL	11/10/22 14:07
TotaVNA	Analysis	6020B		2	590073	CGB	EETSL	11/14/22 23:22

Client Sample ID: AF47663

Date Collected: 11/02/22 14:52 Date Received: 11/05/22 11:38 Lab Sample ID: 680-224844-33

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	60 10D		1	749694	BUB	EETSAV	11/09/22 01:29
Dissolved	Prep	3005A			589630	LKP	EETSL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 18:43
Total Recoverable	Prep	3005A			749409	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		31	749990	BW/R	EETSAV	11/09/22 19:16
Total/NA	Prep	3010A			589628	LKP	EETSL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EETSL	11/14/22 23:25

Client Sample ID: AF47658

Date Collected: 11/02/22 16:00

Date Received: 11/05/22 11:38

Lab	Sami	ole II	0: 68	0-2248	44-34
Law	o airii	ALC: IF	,, ,,,,	V-LL-TU	

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		31	749694	BJB	EETSAV	11/09/22 01:32
Total Recoverable	Prep	3005A			749408	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	60 10D		10	749946	BJB	EETSAV	11/09/22 15:41
Dissolved	Prep	3005A			589630	LKP	EETSL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 18:47
Dissolved	Prep	3005A			589630	LKP	EETSL	11/10/22 14:12
Dissolved	Analysis	6020A		5	590226	CGB	EETSL	11/15/22 16:05
Total Recoverable	Prep	3005A			749409	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EETSAV	11/09/22 19:19
Total/NA	Prep	3010A			589628	LKP	EETSL	11/10/22 14:07
TotaVNA	Analysis	6020B		2	590073	CGB	EETSL	11/14/22 23:39

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Client Sample ID: AF47639

Date Collected: 11/01/22 10:13 Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-35

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	60 10D		1	749694	BJB	EETSAV	11/09/22 01:35
Dissolved	Prep	3005A			589630	LKP	EETSL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 18:50
Total Recoverable	Prep	3005A			749409	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	60208		1	749990	BWR	EETSAV	11/09/22 19:21
TotaVNA	Prep	3010A			589628	LKP	EETSL	11/10/22 14:07
TotaVNA	Analysis	6020B		2	590073	CGB	EETSL	11/14/22 23:42

Client Sample ID: AF47645

Date Collected: 11/01/22 11:29

Lab Sample ID: 680-224844-36

Matrix: Water

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	60 10D		1	749694	BJB	EETSAV	11/09/22 01:38
Dissolved	Prep	3005A			589630	LKP	EETSL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 18:54
Total Recoverable	Prep	3005A			749409	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	60208		1	749990	BWR	EETSAV	11/09/22 19:24
TotaVNA	Prep	3010A			589628	LKP	EETSL	11/10/22 14:07
TotaVNA	Analysis	6020B		2	590073	CGB	EETSL	11/14/22 23:46

Client Sample ID: AF47641

Date Collected: 11/01/22 12:28

Date Received: 11/05/22 11:38

Lab Sample ID:	680-224844-37
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Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	60 10D		1	749694	BJB	EETSAV	11/09/22 01:41
Dissolved	Prep	3005A			589631	LKP	EETSL	11/10/22 14:16
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 19:14
Total Recoverable	Prep	3005A			749409	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	60208		1	749990	BWR	EETSAV	11/09/22 19:27
TotaVNA	Prep	3010A			589628	LKP	EETSL	11/10/22 14:07
TotaVNA	Analysis	6020B		2	590073	CGB	EETSL	11/14/22 23:49

Client Sample ID: AF47642

Date Collected: 11/01/22 14:06

Date Received: 11/05/22 11:38

Lab Sample ID:	680-224844-38
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Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	60 10D		1	749694	BJB	EETSAV	11/09/22 01:44

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Client Sample ID: AF47642

Lab Sample ID: 680-224844-38 Date Collected: 11/01/22 14:06

Matrix: Water

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Dissolved	Prep	3005A			589631	LKP	EETSL	11/10/22 14:16
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 19:28
Total Recoverable	Prep	3005A			749409	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		-21	749990	BWR	EETSAV	11/09/22 19:30
Total/NA	Prep	3010A			589628	LKP	EETSL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EETSL	11/14/22 23:52

Client Sample ID: AF47640 Date Collected: 11/01/22 15:15

Lab Sample ID: 680-224844-39

Matrix: Water

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BUB	EETSAV	11/09/22 01:47
Dissolved	Prep	3005A			589631	LKP	EETSL	11/10/22 14:16
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 19:31
Total Recoverable	Prep	3005A			749409	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		31	749990	BW/R	EETSAV	11/09/22 19:32
TotaVNA	Prep	3010A			589628	LKP	EETSL	11/10/22 14:07
TotaVNA	Analysis	6020B		2	590073	CGB	EETSL	11/14/22 23:56

Client Sample ID: AF47653

Lab Sample ID: 680-224844-40

Matrix: Water

Date Collected: 11/03/22 10:03 Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		31	749694	BJB	EETSAV	11/09/22 01:50
Dissolved	Prep	3005A			589631	LKP	EETSL	11/10/22 14:16
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 19:35
Total Recoverable	Prep	3005A			749409	RR	EETSAV	11/08/22 05:33
Total Recoverable	Analysis	60208		1	749990	BWR	EETSAV	11/09/22 19:35
Total/NA	Prep	3010A			589628	LKP	EETSL	11/10/22 14:07
TotaVNA	Analysis	6020B		2	590073	CGB	EETSL	11/14/22 23:59

Client Sample ID: AF47654

Lab Sample ID: 680-224844-41

Matrix: Water

Date Collected: 11/03/22 11:04 Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749410	RR	EETSAV	11/08/22 05:57
Total Recoverable	Analysis	60 10D		1	749694	BUB	EETSAV	11/08/22 18:06
Dissolved	Prep	3005A			589631	LKP	EETSL	11/10/22 14:16
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 19:38

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Client Sample ID: AF47654

Lab Sample ID: 680-224844-41

Matrix: Water

Date Collected: 11/03/22 11:04 Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared	
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed	
Total Recoverable	Prep	3005A			749411	RR	EETSAV	11/08/22 05:57	
Total Recoverable	Analysis	6020B		1	749688	BWR	EETSAV	11/08/22 21:12	
TotaVNA	Prep	3010A			589629	LKP	EETSL	11/10/22 14:09	
Total/NA	Analysis	6020B		2	590073	CGB	EETSL	11/14/22 15:28	

Client Sample ID: AF47657 Lab Sample ID: 680-224844-42

Date Collected: 11/03/22 12:20 Matrix: Water

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A	- 10,000		749410	RR	EETSAV	11/08/22 05:57
Total Recoverable	Analysis	60 10D		1	749894	BJB	EETSAV	11/08/22 18:21
Dissolved	Prep	3005A			589631	LKP	EETSL	11/10/22 14:16
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 19:42
Total Recoverable	Prep	3005A			749411	RR	EETSAV	11/08/22 05:57
Total Recoverable	Analysis	6020B		1	749688	BWR	EETSAV	11/08/22 21:20
TotaVNA	Prep	3010A			589629	LKP	EETSL	11/10/22 14:09
TotaVNA	Analysis	6020B		2	590073	CGB	EETSL	11/14/22 15:35

Client Sample ID: AF47664 Lab Sample ID: 680-224844-43 Matrix: Water

Date Collected: 11/03/22 13:44

Date Received: 11/05/22 11:38

200000000000000000000000000000000000000	Batch	Batch	200000	Dilution	Batch		2000	Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749410	RR	EETSAV	11/08/22 05:57
Total Recoverable	Analysis	60 10D		1	749694	BJB	EETSAV	11/08/22 18:24
Dissolved	Prep	3005A			589631	LKP	EETSL	11/10/22 14:16
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 19:55
Total Recoverable	Prep	3005A			749411	RR	EETSAV	11/08/22 05:57
Total Recoverable	Analysis	6020B		1	749688	BWR	EETSAV	11/08/22 21:23
TotaVNA	Prep	3010A			589629	LKP	EETSL	11/10/22 14:09
TotaVNA	Analysis	6020B		2	590073	CGB	EETSL	11/14/22 15:39

Client Sample ID: AF47656 Lab Sample ID: 680-224844-44 Date Collected: 11/03/22 14:49 Matrix: Water

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749410	RR	EETSAV	11/08/22 05:57
Total Recoverable	Analysis	60 10D		1	749694	BJB	EETSAV	11/08/22 18:27
Dissolved	Prep	3005A			589631	LKP	EETSL	11/10/22 14:16
Dissolved	Analysis	6020A		2	590073	CGB	EETSL	11/14/22 19:59
Total Recoverable	Prep	3005A			749411	RR	EETSAV	11/08/22 05:57
Total Recoverable	Analysis	60208		1	749688	BWR	EETSAV	11/08/22 21:25

Lab Chronicle

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Lab Sample ID: 680-224844-44

Matrix: Water

Client Sample ID: AF47656

Date Collected: 11/03/22 14:49

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	3010A			589629	LKP	EET SL	11/10/22 14:09
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 15:42

Laboratory References:

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858 EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

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11

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14

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Customer Email/Report Recipient:

Date Results Needed by:

□ TOC

n boc

□ TP/TPO4

□ NH3-N

 \Box F

 $\cap CI$

□ NO2

□ NO3

□ SO4

O Br

D Al

As

ΠB

D/Ba

Ø Be

Z'Ca

Z Cd

Ø Co

Ø′Cr

₽/Fe

D/K

□ Li

Mg

⊠ Mn

□Мо

Ø Na

□ Ni

Ø Pb

2 Se

□ Sn

□ Sr

O Ti

Ø TI

 $\Box V$

O Zn

☑ Hg

□ CrVI

BTEX

□ VOC

□ E. Coli

Ha

□ Napthalene

☐ THM/HAA

☐ Oil & Grease

☐ Total Coliform

☐ Dissolved As

☐ Dissolved Fe

□ Rad 226

□ Rad 228

□ PCB

Chain of Custody

Project/Task/Unit #:

Santee Cooper One Riverwood Drive Moncks Corner 8C 29461 Phone (843)761-8000 Ext. 5148 Fax. (843)761-4175

Rerun request for any flagged QC

5

Matrix codes. GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boller water, L-limestone, Oil-oil, S-Soil, SL-solid, C-coal, G-gypsum, FA-flyash, BA-bottom ash, M-misc (describe in comment section) Preservative code- 1=<4°C 2=HNO₃ 3=H₂SO₄ 4-HCl 5=Na₂S₂O₃ 6-Other (Specify)

☐ Wallboard

below)

O AIM

O TOC

Gypsum(all

☐ Total metals

☐ % Moisture

☐ Sulfites

☐ Chlorides

☐ Particle Size

□ pH

□ Sulfur

☐ Soluble Metals

☐ Purity (CaSO4)

□ Ultimate

□ Ash

☐ Sulfur

□ BTUs

□ CHN

Other Tests:

☐ Particulate Matter

☐ XRF Scan

☐ Fineness

O HGI

☐ % Moisture

☐ Volatile Matter

□ Ammonia

□ % Carbon

☐ % Moisture

NPDES

Oil & Grease

DITSS

Analysis

☐ Mineral

☐ Sieve

D LOI

Trans, Oll Qual.

Color

IFT

Used Oil

Hg)

GOFER

TX

%Moisture

Acidity Dielectric Strength

Dissolved Gases

Flashpoint Metals in oil (As.Cd,Cr,Ni,Pb

Chain of Custody

Custo	omer Ema	il/Re	port Recipie	nt:	Date R	esults Ne	eded b	y:		Pr	oject/	Task/l	Jnit #:	Rerun reques	Rerun request for any flagged QC			
LCI	NILLIA	,	_@santeeco	ooper.com		·/.		n	125	915	<u>/ ຫ</u>	102.0	9.Gø1.1	/_ 36500 Yes	(No)			
														1	A	nalysis (iroup	
Language Commission	orks ID#	- Contract	imple Location	<u> </u>		- v		Ιø	- ₆		8			Comments	19 3	5		
(Inter	rnal use	- D	escription		Pate	Collection Time	Sample Collector	containers	: (Glass-	6	belo	aes) an		ord# orting limit	(F)	10.50 C.E		
		+			ection	B	9	9 4	type stic-P	(G) or	Matrix(see	Preservative (Misc	, sample info other notes	150	SOL		
					-8	8	Samp	Total # of c	Bottle type: (G/Plastic-P)	Grab (G) or Composite (C)	Mat	Pres belo		odior noics	SE SE	DISSOLVED Be, Ce, Fe, L, M		
AF	47652	. -	GYP-7		10/26/22	0924	WK ML	2	P	G	G-W	2	SEES	SHEET FOR RUS	*	*		
	1 46	_	GYP- 1			1030	1	1	1	}	1)	WHER	APPLICABLE.)			
	21		AP-1			1147							6010 CA	6020 AS CT TI				
		†						H^-					Fe	Bar Mn	\top	H		
	30	-	CAP-10		1-1	1258		\vdash	-	-	H		K	Be Pb GJ Sb	-	++	-	
	28	C	AP-9			1405		Ц_					Na	Co Se				
	29	6	AP-9 DU	4P		1410												
	- 27	1	AP-8			1532						1	DISSOL	ÆD: Be				
		+	AT D			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							proces	Co			+	
		-												Li Fe	-		-	
														Mn				
Rel	inquished b	y:	Employee#	Date	Time	Receiv	ed by:	E	mployee	#	Date		Time	Sample Receiving (International TEMP (°C):				
89m	Juun		35594	11/4/22	1500											· Iraqa Sayasian		
Rel	inquished b	y:	Employee#	Date	Time	Receiv	ed by:	E	mployee	#	Date		Time	Correct pH: Yes N	0			
														Preservative Lot#:				
Rei	inquished b	y:	Employee#	Date	Time	Recelv	ed by:	E	mployee	*	Date		Time					
														Date/Time/Init for presen	vative:			
	The second second		ALS (all)	Nut	rients	MI	sc.		Gy	psun	<u>n</u>		Coal	<u>Flyash</u>		<u>Oil</u>		
			☑ Sb ☑ Se	D TO	c ·	□ BTEX		C	Wallbe		n		Ultimate	☐ Ammonia		ns. Oil ()ual.	
☑ As			□Sn	□ DO □ TP/		☐ Napthale			Gyp belo	sum(a w)	u		□ % Moista □ Ash	ire ☐ LOI ☐ % Carbon	ыC	Moistu olor	-	
DΒ	0	white to	□Sr	□NH		□ VOC □ Oil & G			O Al				□ Sulfur	☐ Mineral		cidity electric Si	teneth	
ØBa		Congress at LL	D Ti	□ F		□ E. Coli			D To	tal meta	ls		□ BTUs	Analysis	- 11	T		
Ø Be			ØTI	□ Cl □ NO	2	☐ Total Co	liform		□ So	luble M	etals		☐ Volatile I☐ CHN	Matter ☐ Sieve ☐ % Moisture		issolved d Oll	Ciases.	
Z Ca		Mo		□ Br		☐ Dissolve		1		rity (Ca Moistur			ther Tests:	2 /0 Hadistule	n F	ashpoint		
⊅ Ca	and the same		□ Zn	□ NO		☐ Dissolve ☐ Rad 226			□ Su	lfites			XRF Scan HGI	NPDES		ctals in As,Cd,C		
				□ SO	1	☐ Rad 228			□ pH □ Ch	lorides		ום 🍴	Fineness	Oil & Grease	H	g)		
Ø Cr			☐ CrVI			□PCB			🗆 Pai	rticle Si:	ze	رم 🌓	Particulate Ma	tter As	G0	X FER		
اب طر	. الرا	U	U CIVI				20-1-12-12-12		Sulfur									

3 4 5

Chain of Custody

Santee Cooper One Riverwood Drive Moncks Comer SC 29461 (843)761-8000 Ext. 5148 Fax. (843)761-4175

Customer Email/Report Recipient: Project/Task/Unit #: Date Results Needed by: Rerun request for any flagged QC LCWILLIA 125915 / JM02.09.601.1 / 36500 @santeecooper.com Yes No) **Analysis Group** Labworks ID # Sample Location/ Comments METALS (Internal use Description Method # LVED Fe, Li, only) Reporting limit (G) or posite (C) Misc. sample info DISSOL BE,Co, TOTAL A Any other notes Grag G WK 0941 2 G GW 2 X 10/27/22 SEE SHEET FOR RLS CAP-7 AF47626 WHERE APPLICABLE. 25 CAP-6 1101 24 1215 CAP-5 1324 23 CAP-4 22 CAP-3 1446 59 1556 CCMAP-4 1 1601 60 CCMAP-4 DUP DISSOLVED : Be Co Li Fe MM Sample Receiving (Internal Use Only) Relinquished by: Employee# Date Time Received by: Employee # Date Time TEMP (°C):_ Initial: 11/4/22 35594 1500 Myroun Correct pH: Yes Date Received by: Relinguished by: Employee# Date Time Time Employee # Preservative Lot#: Relinguished by: Received by: Date Employee# Date Time Employee # Time Date/Time/Init for preservative: ☐ METALS (all **Nutrients** MISC. **Gypsum** Coal Oil <u>Flyash</u> □ Ag □ Cu Ø Sb □ TOC Trans. Oil Qual. □ Wallboard □ BTEX □ Ultimate □ Ammonia □/Fe Ø Se □ DOC ☐ Napthalene Gypsum(all □ % Moisture %Moisture I LOI ☑ As ₽K □ Sn □ THM/HAA below) ☐ TP/TPO4 □ Ash □ % Carbon □ VOC Acidity □ AIM □ NH3-N ☐ Sulfur □В □ Li □ Sr ☐ Mineral □ Oil & Grease DTOC Dielectric Strength $\Box F$ □ BTUs Analysis IFT Dissolved Gases □ E. Coli ☐ Total metals ØMg Ø Ba □ Ti □ CI ☐ Volatile Matter ☐ Sieve ☐ Total Coliform ☐ Soluble Metals Ø Be **⊘**Mn ZTI □ NO2 □ CHN □ % Moisture Used Oll □рН □ Purity (CaSO4) ☐ Dissolved As Other Tests: \square Br Flashpoint ☐ % Moisture D'Ca OV □Мо ☐ Dissolved Fe ☐ XRF Scan Metals in oil ☐ Sulfites □ NO3 NPDES Ø Cd Ø Na □ Zn ☐ Rad 226 (As,Cd,Cr,Ni,Pb □ SO4 □pH Oil & Grease Hg) ☐ Rad 228 □ Fineness ☐ Chlorides Hg Ø Co □ Ni O As ☐ Particulate Matter □ PCB ☐ Particle Size DISS **GOFER** D'Cr ₽Pb □ CrVI □ Sulfur

santee cooper Santee Cooper One Riverwood Drive Moneks Corner SC 29461 Phone (843)761-8000 Ext. 5148 Fax. (843)761-4175

Chain of Custody

Customer	Email	/Report Recipio	ent:	Date R	esults Ne	eded b	y:		Pr	oject/	Task/l	Jnit #:	Rerur	ı request	for ar	y fla	ged QC
LCWILL	_(A	@santeed	ooper.com		' <i>'</i>		3 %	125	915	<u>/_J7/^</u>	102.0	9. GØ 1-1	<u> </u>	Yes	(No)		
 								-				-			Δ	nalysis	Group
Labworks (Internal u only)	0.00	Sample Location Description	in/	lection Date	Collection Time	Sample Collector	otal#of containers	Bottle type: (Glass- G/Plastic-P)	Grab (G) or Composite (C)	Matrix(see below)	Preservative (see below)	 Met Rep Mis Any 	Comments hod # orting limit c, sample info		TOTAL METALS	SOLVED CG PE, LJ, Mn	
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	35	CLFIB-1	DUP		1132												
	36	CLFIB-2			1240												
	37	CLEIB-3			1342												
<u> </u>	38	CLFIB-4			1432	<u> </u>	<u> </u>	1	1	1	1					1	
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	To the state of th												Fe Mn				
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Samou	n	35594	11/4/22	1500									TEMP (°C):		Initiai		
Relinquis	hed by:	Employee#	Date	Time	Receiv	ed by:	E	nployee	#	Date		Time	Correct pH: Y Preservative Lot				
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□ Ag	□ Cu	∠ ZSb	Nut ☐ TO	<u>rients</u>	MIS	<u>)L.</u>	l n	Wallbo	psun	<u>!</u>	1	<u>Coal</u>			T	<u>Oil</u>	
D Al	□Æfe		DO	ic	□ Napthale				sum(a)	T		Ultimate □% Moist	ure ☐ LO1	mia	9	Moist	ut
[√As	₽⁄ K	□ Sn		****	□ THM/H/ □ VOC	\A		<i>belo</i>				□ Ash	□ % Car			dor dity	
0 B	DLi	A Adelia continue	□ NH □ F	2-14	□ Oil & Gr	ease		DTO	C			☐ Sulfur ☐ BTUs	☐ Minera	il alysis	□Di	tectric	Strength
Ø Ba	ØΜį		D C1		□ E. Coli □ Total Co	liform			al metal uble Me			□ Volatile	Matter ☐ Sieve				l Gases
ØBe	₽Mı		□ NO	2	□ pH □ Dissolve	10.		D Pur	ity (Cas	104)	O.	□ CHN her Tests:	□ % Moi	sture		d Oll	
D∕Ca	□Мо		□ NO	3	□ Dissolve	d Fe		□%! □Sul	Moisture fites			RF Scan	NPD	FS	ШM	ishpoh etals ir	oil
ØCd	Ø Na	□ Zn	□ SO	4	☐ Rad 226 ☐ Rad 228			□pH				HG1 Fineness		NAME OF TAXABLE PARTY.	(/ H		r,Ni,Pb
Д-Co	□ Nı	Ø Hg		000000000000000000000000000000000000000	□ PCB				iomaes ticle Siz	e		articulate Mi	itter 🗆 🗆 As		T	(
UCr	Ø Pb	□ CrVI					E	Sulfur		**			□TS\$		GO	ER	

Chain of Custody

Santee Cooper One Riverwood Drive Moncks Corner SC 29461 Phone (843)761-8000 Ext, 5148 Fax: (843)761-4175

Customer Email/Report Recipient: Date Results Needed by: Project/Task/Unit #: Rerun request for any flagged QC LCWILLIA 125915 / JM02 09. GOI. 1/ 36500 @santeecooper.com Yes (No) **Analysis Group** Labworks ID# Sample Location/ Comments (Internal use Description METAL SSOLVED only) Reporting limit Collection Collection (G) or posite (Misc. sample info PINTE PISSIO BC CO, Any other notes Grab WIK 2 2 P FOZ 7 11/2/22 0942 G GW SEE SHEET FOR RLS. X AF47643 POZ-7 DUP 44 0947 31 CAP-13 1102 55 CCMLF-2 1232 62 CCMAP - 6 1351 63 CCMAP-7 1452 58 CCMAP-3 1600 DISSOLVED: Be Co Li Fe Sample Receiving (Internal Use Only) Relinquished by: Employee# Date Time Received by: Employee# Date Time TEMP (°C): Initial: 35594 4/4/22 Myroun 1500 Correct pH: Yes Relinquished by: Employee# Date Time Received by: Employee# Date Time Preservative Lot#: Relinquished by: Employee# Date Received by: Employee # Date Time Date/Time/Init for preservative: ☐ METALS (all) **Nutrients** MISC. **Gypsum** Coal Flyash Oil □ Cu Ø Sb □ Ag □ TOC DBTEX □ Wallboard Trans. Oll Qual. □ Ultimate □ Ammonia Ø Fe Ø Se □ Napthalene DDOC Gypsum(all 3 %Moisture ☐ % Moisture □ LOI O THM/HAA ☑ As ØK □ Sn Color □ TP/TPO4 below) □Ash ☐ % Carbon DVOC Acidity Dielectric Strength O AIM □ NH3-N □ Sulfur \square B D Lı □ Sr ☐ Mineral □ Oil & Grease DITOC $\Box \mathbf{F}$ □ BTUs Analysis DE. Coli □'Ba Ø Mg O Ti □ Total metals DCL ☐ Volatile Matter ☐ Sieve Dissolved Gases ☐ Total Coliform ☐ Soluble Metals ØMn ØTI Ø Be □ NO2 □ CHN □ % Moisture Used Oil \Box pH □ Purity (CaSO4) □ Br ☐ Dissolved As Other Tests: Flashpoint Metals in oil □ % Moisture El Ca □Мо $\Box V$ □ Dissolved Fe □ NO3 □ Sulfites ☐ XRF Scan **NPDES** Ø Cd Ø Na O Zn (As,Cd,Cr,Ni,Pb □ Rad 226 □ HGI □ SO4 □ pH. □ Oil & Grease Hg) ☐ Rad 228 ☐ Chlorides ☐ Fineness /Co □ Ni Hg □ As TX **TIPCB** ☐ Particulate Matter ☐ Particle Size O TSS GOFFR Ø Cr Ø′Pb □ CrVI ☐ Sulfur

4 5

Chain of Custody

Santee Cooper One Riverwood Drive Moncks Corner SC 29461 Phone (843)761-8000 Ext. 5148 Fax. (843)761-4175

Customer Email/Report Recipient: Date Results Needed by: Project/Task/Unit #: Rerun request for any flagged QC Yes 125915 / JM02.09 GØ1.1/ 36500 LCWILLIA @santeecooper.com No Analysis Group Labworks ID # Sample Location/ Comments BELOW (Internal use Description Method # LI, FE only) Reporting limit Collection Grab (G) or Composite (C Matrix(see Misc. sample info 五五 (550) Any other notes DR WTK 2 P G 2 X GW X 11/1/22 CLFIB- 5 1013 SEE SHEET FOR RIS AF47639 1129 45 POZ 8 4 102-4 1228 42 POZ-6 1406 40 1515 POZ-3 DISSOLVED: BE Ca LI Fe Mn Sample Receiving (Internal Use Only) Relinquished by: Employee# Date Time Received by: Employee # Date Time TEMP (°C): Initial: 35594 11/4/22 89Brown 1500 Correct pH: Yes Relinguished by: Employee# Date Time Received by: Employee # Date Time Preservative Lot#: Relinquished by: Employee# Date Time Received by: Employee # Date Time Date/Time/Init for preservative: ☐ METALS (all) **Nutrients** MISC. **Gypsum** Coal Oil <u>Flyash</u> □ Ag □ Cu Ø Sb O TOC □ Wallboard □ BTEX Trans. Oil Qual. ☐ Ultimate ☐ Ammonia Ø'Se □ A1 Ø Fe DOC □ Napthalene Gypsum(all %Moisture ☐ % Moisture ☑ As ₽/K □ Sn DTHMHAA Color ☐ TP/TPO4 below) □ Ash □ % Carbon □ AIM □ TOC DVOC Acidity □ NH3-N □ Sulfur \Box B □ Li □ Sr ☐ Mineral □ Oil & Grease Dielectric Strength $\Box F$ □ BTUs Analysis DE. Coli IFT ☐ Total metals □ Ba D Mg O Ti ☐ Volatile Matter ☐ Total Coliform □ Sieve **Dissolved Gases** ☐ Soluble Metals Ø Be Ø Mn PTI □ NO2 □ CHN Used Oil □pH ☐ % Moisture ☐ Purity (CaSO4) Flashpoint Metals in oil □ Br ☐ Dissolved As Other Tests: ☐ % Moisture Ø Ca □Мо OV ☐ Dissolved Fe ☐ XRF Scan D NO3 ☐ Sulfites **NPDES** Ø Cd (As,Cd,Cr,Ni,Pb Ø Na □ Zn ☐ Rad 226 \cap HGI □pH □ SO4 DOIL & Grease Hg) ☐ Rad 228 ☐ Chlorides ☐ Fineness ☑ Co □ Ni Ø Hg ☐ Particulate Matter □ As □ PCB ☐ Particle Size DISS GOFER ₽ Pb ☑ Cr □ CrVI □ Sulfur

Chain of Custody

Santee Cooper One Riverwood Drive Moncks Corner SC 29461 Phone (843)761-8000 Ext. 5148 Fax. (843)761-4175

Cust	omer Emai	l/Report Reci	pient:	Date	e Results Ne	eded b	y:		Pr	oject/	Task/	Unit #:	Rerun r	equest for	any f	agge	d QC
L	WILLIA	@sante	ecooper.co	om				125	715	<u> J</u> JM	02.09	GØII	36500	Yes (N	9		
10 To			a												Analy	sis Gro	up
Contraction and series	vorks ID # rnal use)	Sample Loca Description		Collection Date	Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass- G/Plastic-P)	Grab (G) or Composite (C)	Matrix(see below)	Preservative (see	Me Rej Mi An	Comments shed # porting limit sc. sample info y other notes		DISSOLVED	9 1	
AF4	H7653	CCM LF-	-1	11/3/	22 603	WIK	2	P	G	GW	2	SEE:	SHEET FOR RLS	× ×	- 1	ı	
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	57	CCMAP	2.		1220												
	64	CCMAP-	E		1344								5 0750 ETT				
1	56	GCMAP-	1		1441	Ţ	1	1	1	<u> </u>	Ţ			1			
												base	WED Be				
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Rel	linguished by:	Employee	# Date	Time	Receiv	ed by:	E	mployee	#	Date		Time	Sample Receiving (II TEMP (°C):				
	nown Inquished by:	35514 Employee	17.7-	2 ISOU Time	Receiv	ed by:	E	mployee	#	Date		Time	Correct pH: Yes	No			-
Rei	inquished by:	Employee	# Date	Time	Receiv	ed by:		mployee	#	Date		Time	Preservative Lot#:				
							ľ						Date/Time/Init for	preservativ);		
	□МІ	ETALS (all		utrients	MIS	SC.		Gy	/psun	<u>n</u>		Coal	Flyast		0	il	
□ AI		u ⊅Sb E ⊅Se		TOC	□ BTEX	452-776	l c) Wallb				Ultimate	☐ Ammoni		rans. C	II Qua	d.
☑ As			CONTRACTOR (CO.)	DOC TP/TPO4	□ Napthale □ THM/H/			Gyp belo	sum(a w)	и		☐ % Mois ☐ Ash	ture [] LO] [] % Carbon	, []	%Mo Color		
ΠВ				NH3-N	□ VOC □ Oil & Gi	ease		□ A.				□ Sulfur	☐ Mineral		Acidit Dielectr		gih
ØBa	. ⊿M		D	F Cl	□ E. Coli			□ То	tal meta			☐ BTUs ☐ Volatile	Analy Matter □ Sieve	sis	IFT		
ℤ.Be	10	n ØTI	The second secon	NO2	☐ Total Co ☐ pH	ntorm			luble Mo rity (Cas				□ % Moista	ire II	Dissol Used O		505
ℤ Ca		STATE OF THE PERSON OF THE PER		Br NO3	☐ Dissolve			0%	Moistur			ther Tests; XRF Scan	<i>5</i> 70	146	Flashp Metals	oint	
Ø Cd		a 🗆 Zn		NO3 SO4	☐ Rad 226			() pH			01	HGI	NPDES		(As,C	in on LCr,Ni	
Z Co	מם	Ø Hg			□ Rad 228 □ PCB			ci Ch	lorides nicle Siz	re.		Fineness Particulate M	□ Oil & Grea □ As		Hg) TX		
☑ Cr			TI.					□ Fai □ Sulfur					O TSS		OFER		

Table of	Reporting	Limits for Ground	lwater
	Samples	Metals Only	

	nes Inetal	3 Only	
Analyte	Unit	GWPS/ MCL/ RSL	Reporting Limits best case
Aluminum	mg/L	0.05 to 0.2	
Antimony	ug/L	6	5
Arsenic	ug/L	<u> </u>	5
Arsenic Dissolved	ug/L		
Barium	ug/L	2000	5
Beryllium	ug/L	4	0.5
Boron	ug/L		10 to 15
Cadmium	ug/L	5	0.5
Calcium	ug/L		0.1
Chromium	ug/L	100	5
Cobalt	ug/L	6	0.5
Copper	mg/L	1	
Iron	ug/L	300	
Lead	ug/L	15	1
Lithium	ug/L	40	5
Magnesium	ug/L		
Mercury	ug/L	2	0.2
Molybdenum	ug/L	100	5
Nickel	ug/L		
Potassium	mg/L		
Selenium	ug/L	50	5
Sodium	mg/L		pa 445 pa
Thallium	ug/L	2	1
Zinc	ug/L	5000	

Client Information (Sub Contract Lab) Client Contact Client Contact Company TestAmerica Laboratories, Inc. Address. 13715 Rider Trail North, City State, Zio										THE REAL PROPERTY AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN C	
Client Contact Shipping/Receiving Company TestAmerica Laboratories, Inc. Address: 13715 Rider Trail North, City Earth City State. Zip	Sampler			Lab PM Lanier	Lab PM: Lanier, Jerry A			Carner Tr	Carrier Tracking No(s):	COC No:	1
Company TestAmerica Laboratories, Inc. Address: 13715 Rider Trait North, City State, Zip	Phone			E-Mail Jerry.	Lanier@e	et.eurofir	E-Mail Jerry.Lanier@et.eurofinsus.com	State of Origin South Carolina	irigin: arolina	Page 1 of 5	
Audress: 13715 Rider Trail North, City Sale, Zip State, Zip					VELAP -	ns Require Florida;	State - Sou	Accreditations Required (See note): NELAP - Florida; State - South Carolina; State Program	Program	Job # 680-224844-1	7
City Earth City State, Zip	Due Date Requested:	ij					Ana	Analysis Requested		Preservation Codes	Codes:
State, Zip	TAT Requested (days):	ys):				,				B - MCL B - NaOH C - Zn Acetate	ZO:
MO, 63045										D - Nitric Acid E - NaHSO4	
Phone 314-298-8566(Tel) 314-298-8757(Fax)	# Od									G - Amchlor H - Ascorbic A	
Email	* OM				(0)	_					
Project Name: 125915/JM02.09.G01.1/36500	Project # 68008190				10 88					K-EDTA L-EDA	Y - Trizma Z - other (specify)
Site:	*MOSS				y) as					of con	
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (We water. Smsolid. Owwastefoll. BT=Tissue, A-Art)	Field Filtered Perform MS/M 6020A/FIELD_F	Z_A010E\B0S08				Total Number	Special Instructions/Note:
		X	1 (1)	Preservation Code:	X					/\ ×	
AF47633 (680-224844-1)	10/25/22	09:27 Fastern		Water	×	×				2	
AF47632 (680-224844-2)	10/25/22	10:34 Eastern		Water	×	×				2	
AF47651 (680-224844-3)	10/25/22	11:10 Eastern		Water	×	×				2	
AF47650 (680-224844-4)	10/25/22	12:46 Eastern		Water	×	×				2	
AF47649 (680-224844-5)	10/25/22	14:11 Eastern		Water	×	×				2	
AF47647 (680-224844-6)	10/25/22	15:16 Eastern		Water	×	×				2	*6
AF47648 (680-224844-7)	10/25/22	15:21 Eastern		Water	×	×				2	
AF47652 (680-224844-8)	10/26/22	09:24 Eastern		Water	×	×				2.	
AF47646 (680-224844-9)	10/26/22	10:30 Eastern		Water	×	×				2	
Note: Since laboratory accreditations are stubject to change. Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample subcontract laboratory or other instituctions will be provided. Any changes to accreditation of currently mannain accreditation in the State of Origin isted above for analysis/less/maint being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instituctions will be provided. Any changes to accreditation states should be brought to Eurofins Environment Testing Southeast, LLC.	ment Tosting Southeast, L r analysis/tests/matrix beir ention immediately. If all r	LC places the g analyzed, the equested acci	ownership of n te samples mu editations are	nethod, analyte & st be shipped ba	s accreditation to the Eusturn the sign	ion compli irofins Env ined Chair	ance upon or ironment Ter	ut subcontract laboratorie sting Southeast, LLC labo attesting to said complica	s. This sample sh watery or other insi ince to Eurofins Er	ipment is forwarded under tructions will be provided. An invironment Testing Souther	chain-of-custody if the is Any changes to accredital ist, LLC.
Possible Hazard Identification Unconfirmed					Samp	le Dispo	le Disposal (A fer Return To Client	e may be assessed if sam	if samples as	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Month	nn 1 month) Months
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Delivera	Deliverable Rank:			Specia	I Instruc	tions/QC	Special Instructions/QC Requirements:			
Empty Kit Relinquished by:		Date:			Time:			Meti	Method of Shipment		
Relinquished by:	Date/Time:			Company	a.	Received by:		FEDEX	Date/Time.		Company
Relinquished by: FED EX	Date/Time:			Company	S.	Received by	1		MON	100 8 2027 0900	工公司
Relinquished by	Date/Time:			Company	2	eceived by			Date/Time///		Company
Custody Seals Intact: Custody Seal No.:					Š	ofer Temp	erature(s) °C	Cooler Temperature(s) °C and Other Remarks.	MON	0 9 2022	- 1

Company

Date/Time Method of Shipment

FED EX

Received by

Empty Kit Relinquished by:

Relinquished by: elinquished by. efinquished by

Date:

Company Company

Date/Time Date/Time:

FEDEX

Cooler Temperature(s) °C and Other Remarks.

5102 LaRoche Avenue	Chain of Custody Becord	dv Becord	
Savannah, GA 31404	Ollain Ol Gasto	ay ivecord	
Phone: 912-354-7858 Fax: 912-352-0165			
	Sampler	Lab PM	Carrier Tracking No(s).
Client Information (Sub Contract Lab)		Lanier, Jerry A	
Client Contact	Phone	E-Mail	State of Origin:
Shipping/Receiving		Jerry.Lanier@et.eurofinsus.com	South Carolina
Company		Accreditations Required (See note)	
TactAmerica Laboratories Inc		NELAP - Florida: State - South Carolina: State Program	olina: State Program

Eurofins Savannah

... eurofins

Client Contact Shipping/Receiving Company TestAmerica Laboratories, Inc. 13715 Rider Trail North. Conv. Earth City State, Zinc.			E-Mail						Cooper	
pany MAmerica Laboratories, Inc. sess 15 Rider Trail North. th City 9. Zp.			Jern	.Lanier@	et euro	E-Mail Jerry.Lanier@et.eurofinsus.com	State of Origin: South Carolina		Page 2 of 5	
ess. 15 Rider Trail North. th City				Accreditati NELAP.	ons Requ	Accreditations Required (See note) NELAP - Florida; State - South	Accreditations Required (See note) NELAP - Florida; State - South Carolina; State Program		Job #:	
th City 8. Zip	Due Date Requested: 11/16/2022					Analys	Analysis Requested		Preservation Codes:	odes: M - Hexane
MO 63045	TAT Requested (days):				Juama				B - NOH C - Zn Acetate D - Nitric Acid E - NaHSO4	N - None O - AsNaO2 P - Na2O4S Q - Na2SO3
Prone 234-298-8566(Tel) 314-298-8757(Fax)									F - MeOH G - Amchlor H - Ascorbic Acid	
Email WO#				(0					_	
Project Warne 125915/JM02.09.G01.1/36500 680081	Project #. 68008190			N 10 88						W - PH 4-5 Y - Trizma Z - other (specify)
Site Sooms	#/			A) as		_			of cor	
Sample Identification - Client ID (Lab ID)	Sample Date Time	Sample Type (C=comp, G=grab)	Matrix (wewater. Sesolid. O-wasteroil. BT-Tissue, A-Air)	Field Filtered S M\SM mySher	60208/FIELD_FU				Total Number	Special Instructions/Note:
		O	Preservation Code:	X						
AF47621 (680-224844-10)	10/26/22 Fastern		Water		×				2	
AF47630 (680-224844-11)	10/26/22 12:58 Eastern		Water		×				2	
AF47628 (680-224844-12)	10/26/22 14:05 Eastern		Water		×				2	
AF47629 (680-224844-13)	10/26/22 Fastern		Water		×				2	
AF47627 (680-224844-14)	10/26/22 Fastern		Water		×				2	
AF47626 (680-224844-15)	10/27/22 Eastern		Water		×				2	
AF47625 (680-224844-16)	10/27/22 Tastern		Water		×				2	
AF47624 (680-224844-17)	10/27/22 12:15 Eastern		Water		×				2	
AF47623 (680-224844-18)	10/27/22 13:24 Eastern		Water		×				2	
Note: Since laborationy accreditations are subject to change. Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laborations. This sample shipment is forwarded under changes to analysis/less/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation states should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing Southeast, LLC.	ng Southeast, LLC places the ests/matrix being analyzed, ediately. If all requested ac	ne ownership of m the samples mus creditations are o	nethod, analyte at be shipped b current to date,	& accredit ack to the E return the s	stion comp curofins E	pliance upon out si nvironment Testing ain of Custody atte	bcontract laboratories This sa southeast, LLC laboratory or or sling to said complicance to Eur	mple shipmen other instruction rofins Environn	t is forwarded under chas will be provided. Ament Testing Southeast	ain-of-custody if the laborary changes to accreditation LLC.
Possible Hazard Identification				Sam	ble Dis	posal (A fee n	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	les are ret	ained longer than	1 month)
Unconfirmed]	Return	Return To Client	Disposal By Lab		Archive For	Months

Page 114 of 121

Custody Seal No.

Custody Seals Intact: △ Yes △ No

Client Information (Sub Contract Lab) Client Corlact Shipping/Receiving Company TestAmerica Laboratories, Inc.				Section 1911						
g/Receiving erica Laboratories	Sampler			Lab PM Lanier	Lab PM Lanier, Jerry A	_	Carr	Carrier Tracking No(s).	COC No. 680-715911.3	
ompany estAmerica Laboratories, Inc.	Phone			E-Mail Jerry	Lanier@	E-Mail Jerry Lanier@et eurofinsus com		State of Origin. South Carolina	Page: Page 3 of 5	
					Accreditation NELAP -	Accreditations Required (See note) NELAP - Florida; State - So	uth Carolina	ate Program	Job #: 680-224844-1	
Address. 13715 Rider Trail North,	Due Date Requested: 11/16/2022						Analysis Requested	sted	Preservation Codes:	odes:
City. Earth City	TAT Requested (days)	:(s				ţu			B - NaOH C - Zn Acetate	N - None O - AsnaO2
State, Zip. MO, 63045									D - Nitric Acid	
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	** Od								G - Amchlor H - Ascorbic Acid	
Email	#OM				(0)					
Project Name 1259-15/JM02 09 G01 1/36500	Project # 68008190				s ot h				K · EDTA	Y - Trizma Y - Trizma Z - other (specify)
Site	**NOSS				SD (Ye				of conf	
O and to the distance of the state of the st	0	Sample (0	Sample Type (C=comp,	Matrix (Wowater, S=solid, O=wastefoll,	ield Filtered M\SM mrone 0208/FIELD_FI	PS_A0F0E\80\$0			redmuM laso	
mple trentime and the cheminal policy	Sample Date		9 0	tion Code:		-				opecial instructions/note:
AF47622 (680-224844-19)	10/27/22	14:46 Fastern		Water		×			2	
AF47659 (680-224844-20)	10/27/22	15:56 Eastern		Water	_	×			2	
AF47660 (680-224844-21)	10/27/22	16:01 Eastern		Water	_	×			2	
AF47661 (680-224844-22)	10/31/22	10:13 Eastern		Water	^	×			2	
AF47634 (680-224844-23)	10/31/22	11:27 Eastern		Water	_	×			2	
AF47635 (680-224844-24)	10/31/22	11:32 Eastern		Water	^	×			2	
AF47636 (680-224844-25)	10/31/22	12:40 Eastern		Water	_	×			2	
AF47637 (680-224844-26)	10/31/22	13:42 Eastern		Water	_	×			7	
AF47638 (680-224844-27)	10/31/22	14:32 Eastern		Water	_	×			2	
Note Since laboratory accreditations are stubject to change. Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/maint being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC attentions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing Southeast, LLC.	ronment Testing Southeast, LL e for analysis/tests/matrix being attention immediately If all re	C places the ow g analyzed, the s quested accredi	mership of missamples must	ethod, analyte be shipped ba urent to date, r	& accreditar ck to the Eu sturn the sig	urofins Environ gned Chain of	e upon out subcontract labor ment Testing Southeast, LL Custody attesting to said co	atories. This sample ship 2 laboratory or other instr nplicance to Eurofins Env	oment is forwarded under ch uctions will be provided. An vironment Testing Southeas	ain-of-custody. If the la y changes to accredital I, LLC.
Possible Hazard Identification					Samp	le Disposa	ee may be	ssed if samples are	retained longer than	f month)
Oncommed Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliveral	Deliverable Rank: 1			Specie	Return To Client al Instructions/QC	Requireme	Disposal By Lab	Archive For	Months
Empty Kit Relinquished by:		Date:	-		Time:			Method of Shipment.		
Relinquished by:	Date/Time:		0	Company	Re	Received by:	FED	EX Date/Time:		Company
Relinquished by FED EX	Date/Time:		Q	Company	8	Received by	an a	N Was a part	CO60 1111 X	Company C
Relinquished by	Date/Time:		0	Company	*	Received by:		5	0 2022	Company

Sample Caccom Sample C	2010-202-202-202-202-202-202-202-202-202				10 40	1				- Minter		
Second Color South Color	formation	Sampler			Lanie	r. Jerny	8		Carrier Tracking	g No(s)	680-715911.4	
NECOTION NECOTION	Client Contact: Shipping/Receiving	Phone:			E-Mail Jerry	Lanier@	et.eurofi.	nsus.com	State of Ongin.	ina	e 4 of	
Particular Par	Company TestAmerica Laboratories, Inc.					Accreditati	ons Requir Florida;	ed (See note) State - South Ca	olina; State Progr	ram	Job # 680-224844-1	
CDY CDY	Address: 13715 Rider Trail North.	Due Date Requested	_					Analysis	Requested		Preservation C	odes: M - Hexane
100 100	City. Earth City State, Z.p	TAT Requested (day	:{s				tnem				B - ncL B - NaOH C - Zn Acetate D - Nitric Acid	N - None O - AsNaO2 P - Na2O4S Q - Na2SO3
Figure F	3045 98-8566(Tel)	* Od									F - MeOH G - Amchlor	R - Na2S2O3 S - H2SO4 T - TSP Dode
Sample identification - Client ID (Lab ID) Sample Date Time Sample Concerns Sample Date Time Sample Concerns Sample Concerns Sample Date Time Sample Concerns Sample Date Time Sample Concerns Sample		*OM				(0						
Sample Matrix Sample S	Project Name. 125915/JM02.09.G01.1/36500	Project # 68008190				N 10 88						W - pH 4-5 Y - Trizma Z - other (spe
Sample Identification - Client ID (Lab ID) Sample Date Time Greens Sample Time Greens Sample Greens	Site	**NOSS				SD (Y						
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AF47643 (680-224844.3) 11/12/22 G947 (980-224844.3) Water X X X		X	1	4 65	tion Code:	X						V
AF47844 (580-224844-39) 111/2/2 E53(e) E38(e) Water X </td <td>AF47643 (680-224844-28)</td> <td>11/2/22</td> <td>09:42 Fastern</td> <td></td> <td>Water</td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td>2</td> <td></td>	AF47643 (680-224844-28)	11/2/22	09:42 Fastern		Water		-				2	
AF4785 (880-22484-35) 11/12/22 E38[enhalt Water X	AF47644 (680-224844-29)	11/2/22	09:47 Eastern		Water						2	
AF47655 (680-224844.32) 11/2/22 E.35/gen Water X	AF47631 (680-224844-30)	11/2/22	11.02 Eastern		Water		-				2	
AF47650 (680-224844-32) 11/12/22 Ea38Enn Waler X	AF47655 (680-224844-31)	11/2/22	12:32 Eastern		Water						2	
AF47659 (880-224844.34) 11/2/22 Eastern form Water X <td>AF47662 (680-224844-32)</td> <td>11/2/22</td> <td>13:51 Eastern</td> <td></td> <td>Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2</td> <td></td>	AF47662 (680-224844-32)	11/2/22	13:51 Eastern		Water						2	
AF47658 (880-224844-34) 11/1/1/22 Eastern from the factor of the factor	AF47663 (680-224844-33)	11/2/22	14:52 Eastern		Water						2	
AF47645 (680-224844-35) AF47645 (680-224844-35) AF47645 (680-224844-35) AF47645 (680-224844-36) AF47645 (AF8-AF47641 APA-CHARCHORN) AFA AFA AFA AFA AFA AFA AFA AFA AFA AF	AF47658 (680-224844-34)	11/2/22	16:00 Eastern		Water						2	
AF47645 (680-224844-36) Ap47645 (680-224844-36) Ap47645 (680-224844-36) Ap47645 (680-224844-36) Ap47645 (680-224844-36) Note: Since laborations are subject to change. Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditations compliance upon out subcontract laborations. This sample shipment is towarded under channof-curd does not currently maintain accreditation in the State of Ongain listed above for analysistersts/marity being analysed, to the Eurofins Environment Testing Southeast, LLC alteration immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing Southeast, LLC alteration immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing Southeast, LLC alteration immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complex. If the may be assessed if samples are retained fornger than 1 mon Unconfirmed Deleverable Requested: I. II, III, IV, Other (specify)	AF47639 (680-224844-35)	11/1/22	10:13 Eastern		Water						. 2	
Note: Since laboratory accreditations are subject to change. Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratory accreditation in the State of Origin isted above for analysis/lests/maritx being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC places for currently maintain accreditation in the State of Origin isted above for analysis/lests/maritx being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting Southeast, LLC. Possible Hazard Identification Unconfirmed Empty Kit Relinquished by: Empty Kit Relinquished by: Date/Time: Date/Time: Date/Time: Date/Time: Date/Time: Company Received by Received by Received by Date/Time: Company Received by Date/Time: Company Received by Date/Time: Date	AF47645 (680-224844-36)	11/1/22	11.29 Eastern		Water						2	
Sample Disposal (A fee may be assessed if samples are retained longer than 1 requested: I. III, IV, Other (specify) Primary Deliverable Rank: 1 Sample Disposal (A fee may be assessed if samples are retained longer than 1 requested: I. III, IV, Other (specify) Primary Deliverable Rank: 1 Special Instructions/QC Requirements: Method of Shipment Inquished by: Date/Time: Company Received by: Received by: Date/Time: PED EX Date/Time: Company Received by: Received by: Date/Time:	Note: Since laboratory accreditations are subject to change, Eurofins El does not currently maintain accreditation in the State of Origin listed ab status should be brought to Eurofins Environment Testing Southeast, L.	nvironment Testing Southeast, Ll ove for analysis/tests/matrix bein, LC attention immediately. If all re	C places the ow g analyzed, the s quested accred	mership of rr samples mus litations are c	nethod, analyte st be shipped ba surrent to date, r	& accredition to the Eleture the s	ation compl urofins En-	iance upon out subcovironment Testing Sou n of Custody attesting	ntract laboratories. Thirtheast, LLC laboratory to said complicance to	nis sample shipmen y or other instructio to Eurofins Environi	it is forwarded under chins will be provided. An	in-of-custody changes to a LLC.
linquished by: Date: Company Time: Method of Shipment: FED EX Date/Time: Company Received by: FED EX Objective By:	Possible Hazard Identification Unconfirmed					Sam	ple Disp	osal (A fee may To Client	Disposal By Le	amples are ret	ained longer than	1 month) Months
Inquished by: Date: Company Received by: FED EX Date/Time: Company Received by: Received by: Received by: Received by: Received by: Date/Time: Company Received by: Received by: Date/Time: Company Received by: Date/Time: Date/Time: Company Received by: Date/Time: D	Deliverable Requested: I, III, IV, Other (specify)	Primary Delivera	ble Rank: 1			Spec	ial Instru	ctions/QC Require	ements:			
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DaterTime. Company Received by DaterTime.		Date/Time.			Company	œ	eceived by	1 7	}	Supplied 6	1	CEPTA SI
	Relinquished by	Date/Time:			Сотрапу	OK	eceived by			Date/Times //	2000	Company

Eurofins Savannah

: eurofins

Chain of Custody Record

Phone: 912-354-7858 Fax: 912-352-0165

Eurofins Savannah

5102 LaRoche Avenue Savannah, GA 31404

Vote: Since laboratory accreditations are subject to change. Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory or other instructions will be provided. Any changes to accreditation to analysis/rests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing Southeast, LLC N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2SO3
S - H2SO4
T - TSP Dodecahydrate Special Instructions/Note: U - Acetone
V - MCAA
W - pH 4-5
Y - Tnzma Months Preservation Codes: G - Amchior H - Ascorbic Acid COC No 680-715911.5 A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH Page 5 of 5 680-224844-J - Di Water K - EDTA L - EDA Total Number of containers 2 7 2 0 2 7 0 N Lanier, Jerry A
Lanier, Jerry A
E-Mail
Jerry, Lanier@et.eurofinsus.com
Jerry, Lanier@et.eurofinsus.com
Jerry, Lanier@et.eurofinsus.com
Accrediations Required (See note):
NELAP - Florida; State - South Carolina; State Program 6020B/3010E_2% (MOD) Single Standard Element × × × × × × × × × × × × × × 5020A/FIELD_FLTRD (MOD) Standard List Perform MS/MSD (Yes or No) Field Filtered Sample (Yes of No) G=grab) BT-Tissue, A-Ak Matrix Preservation Code: Water Water Water Water Water Water Water Water (C=Comp, Sample Type Eastern 15:15 Eastern 10:03 Eastern 11.04 Eastern 12:20 Eastern 13:44 Eastern 14:06 Eastern 14:49 Eastern 12:28 Time TAT Requested (days): Due Date Requested: 11/16/2022 Sample Date 11/3/22 11/1/22 11/1/22 11/1/22 11/3/22 11/3/22 11/3/22 11/3/22 Project # 68008190 Client Information (Sub Contract Lab) Sample Identification - Client ID (Lab ID) 314-298-8757(Fax) Possible Hazard Identification 125915/JM02.09.G01.1/36500 FestAmerica Laboratories, Inc. AF47656 (680-224844-44) AF47657 (680-224844-42) AF47664 (680-224844-43) AF47641 (680-224844-37) AF47642 (680-224844-38) AF47640 (680-224844-39) AF47653 (680-224844-40) AF47654 (680-224844-41) 13715 Rider Trail North 314-298-8566(Tel) Shipping/Receiving Inconfirmed State, Zip MO, 63045 Earth City

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Chive For Mon 10 11/11/24 Date/Time: Method of Shipment FED EX Special Instructions/QC Requirements eceived by ime Primary Deliverable Rank: 1 Date Deliverable Requested: I, III, IV, Other (specify) Empty Kit Relinquished by nquished by

ET TT

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NOTES TOTAL

Received by

ompany

Date/Time

FEDEX

inquished by nquished by

6 July

Cooler Temperature(s) °C and Other Remarks

Custody Seal No.

Custody Seals Intact:

Login Sample Receipt Checklist

Client: South Carolina Public Service Authority

Job Number: 680-224844-1

Login Number: 224844 List Source: Eurofins Savannah

List Number: 1

Creator: Johnson, Corev M

Creator: Johnson, Corey M	
Question	Answer Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td>	N/A
The cooler's custody seal, if present, is intact.	True
Sample custody seals, if present, are intact.	True
The cooler or samples do not appear to have been compromised or tampered with.	True
Samples were received on ice.	True
Cooler Temperature is acceptable.	True
Cooler Temperature is recorded.	True
COC is present.	True
COC is filled out in ink and legible.	True
COC is filled out with all pertinent information.	True
Is the Field Sampler's name present on COC?	True
There are no discrepancies between the containers received and the COC.	True
Samples are received within Holding Time (excluding tests with immediate HTs)	True
Sample containers have legible labels.	True
Containers are not broken or leaking.	True
Sample collection date/times are provided.	True
Appropriate sample containers are used.	True
Sample bottles are completely filled.	True
Sample Preservation Verified.	N/A
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

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Login Sample Receipt Checklist

Client: South Carolina Public Service Authority

Job Number: 680-224844-1

Login Number: 224844
List Source: Eurofins St. Louis
List Number: 2
List Creation: 11/09/22 12:27 PM

Creator: Bohlmann, Jessica M

Creator. Borninann, Jessica W			
Question	Answer (Comment	
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td> <td></td>	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		

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Accreditation/Certification Summary

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.09.G01.1/36500 Job ID: 680-224844-1

Laboratory: Eurofins Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
South Carolina	State	98001	06-30-22 *

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	12-08-22	
California	Los Angeles County Sanitation Districts	10259	06-30-22*	
California	State	2886	06-30-23	
Connecticut	State	PH-0241	03-31-23	
Florida	NELAP	B87689	06-30-23	
HI - RadChem Recognition	State	n/a	06-30-23	
Illinois	NELAP	200023	11-30-23	
lowa	State	373	12-01-22	
Kansas	NELAP	E-10236	10-31-22 *	
Kentucky (DW)	State	KY90125	12-31-22	
Kentucky (MW)	State	KY90125 (Permit KY0004049)	12-31-22	
Louisiana (AII)	NELAP	04080	06-30-23	
Louisiana (DW)	State	LA011	12-31-22	
Maryland	State	310	09-30-23	
MI - RadChem Recognition	State	9005	06-30-23	
Miss o uri	State	780	06-30-25	
Nevada	State	M0000542020-1	07-31-23	
NewJersey	NELAP	M0002	06-30-23	
New York	NELAP	11616	04 01-23	
North Dakota	State	R-207	06-30-23	
NRC	NRC	24-24817-01	12-31-22	
Oklahoma	NELAP	9997	08-31-23	
Oregon	NELAP	4157	09-01-23	
Penrsylvania	NELAP	68-00540	02-28-23	
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	03-11-23	
Utah	NELAP	M0000542021-14	07-31-23	
Virginia	NELAP	10310	06-14-24	
Washington	State	C592	08-30-23	
West Virginia DEP	State	381	12-31-22	

Eurofins Savannah

11/22/2022

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

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 Jerry Lanier, Project Manager I Jerry.Lanier@et.eurofinsus.com (912)250-0281

Generated 12/22/2022 7:23:03 PM

PREPARED FOR

Attn: Linda Williams

Santee Cooper PO BOX 2946101

JOB DESCRIPTION

125915/JM02.08.G01.1/36500

ANALYTICAL REPORT

South Carolina Public Service Authority

Moncks Corner, South Carolina 29461-2901

JOB NUMBER

680-227330-1

Eurofins Savannah 5102 LaRoche Avenue Savannah GA 31404



Eurofins Savannah

Job Notes

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

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

Generated 12/22/2022 7:23:03 PM

Authorized for release by Jerry Lanier, Project Manager I Jerry.Lanier@et.eurofinsus.com (912)250-0281 Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.1/36500

Laboratory Job ID: 680-227330-1

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Case Narrative

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Job ID: 680-227330-1

Laboratory: Eurofins Savannah

Narrative

Job Narrative 680-227330-1

Receipt

The samples were received on 12/9/2022 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 15.1°C

Metals

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

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Sample Summary

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-227330-1	AF50607	Water	12/06/22 10:22	12/09/22 10:00
680-227330-2	AF50606	Water	12/06/22 11:34	12/09/22 10:00
680-227330-3	AF50605	Water	12/06/22 13:25	12/09/22 10:00
680-227330-4	AF50604	Water	12/06/22 14:34	12/09/22 10:00
680-227330-5	AF50602	Water	12/07/22 10:07	12/09/22 10:00
680-227330-6	AF50603	Water	12/07/22 10:12	12/09/22 10:00
680-227330-7	AF50608	Water	12/07/22 13:42	12/09/22 10:00
680-227330-8	AF50609	Water	12/07/22 13:47	12/09/22 10:00
680-227330-9	AF50610	Water	12/07/22 15:03	12/09/22 10:00

Method Summary

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EETSAV
6020B	Metals (ICP/MS)	SW846	EETSAV
7470A	Mercury (CVAA)	SW846	EETSAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EETSAV
7470A	Preparation, Mercury	SW846	EETSAV

Protocol References:

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

Laboratory References:

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

Definitions/Glossary

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Qualifiers

otal	

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

LOQ

Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
n	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)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry) MDL Method Detection Limit

Limit of Quantitation (DoD/DOE)

Minimum Level (Dioxin) ML 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

Practical Quantitation Limit **PQL**

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

Toxicity Equivalent Factor (Dioxin) TEF Toxicity Equivalent Quotient (Dioxin) TEQ

TNTC Too Numerous To Count

Eurofins Savannah

Job ID: 680-227330-1

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.1/36500

Client Sample ID: AF50607						Lai	9 5	sample ID:	680-227330-1
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	673000	-	500		ug/L	1	-	6010D	Total R ecoverable
Iron	40600		100		ug/L	1		6010D	Total R ecoverable
Barium	45.6		5.00		ug/L	1		60208	Total
Cobalt	7.32		0.500		ug/L	1		60208	R ecoverable Total
Selenium	3.58		2.50		ug/L	1		60208	R ecoverable Total R ecoverable
Client Sample ID: AF50606						Lal	b 5	Sample ID:	680-227330-2
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	81700		500		ug/L	1	-	6010D	Total R ecoverable
Iron	88800		100		ug/L	1		6010D	Total
Barium	273		5.00		ug/L	1		60208	R ecoverable Total R ecoverable
Beryllium	1.99		0.500		ug/L	1		6020B	Total R ecoverable
Cobalt	21.1		0.500		ug/L	1		6020B	Total R ecoverable
Lead	3.70		2.50		ug/L	1		6020B	Total R ecoverable
Nickel	8.37		5.00		ug/L	1		6020B	Total R ecoverable
Selenium	4.99		2.50		ug/L	1		6020B	Total R ecoverable
Client Sample ID: AF50605						Lal	b 5	Sample ID:	680-227330-3
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	97300		500		ug/L	1		6010D	Total R ecoverable
Iron	83400		100		ug/L	1		6010D	Total R ecoverable
Arsenic	96.8		3.00		ug/L	1		6020B	Total R ecoverable
Barium	122		5.00		ug/L	1		60208	Total R ecoverable
Cobalt	0.820		0.500		ug/L	1		6020B	Total R ecoverable
Client Sample ID: AF50604						Lal	b 9	Sample ID:	680-227330-4
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	184000		500		ug/L	1		6010D	Total R ecoverable
Iron	5760		100		ug/L	1		6010D	Total R ecoverable
Arsenic	196		3.00		ug/L	1		60208	Total R ecover <i>a</i> ble
Barium	84.5		5.00		ug/L	1		6020B	Total

This Detection Summary does not include radiochemical test results.

Eurofins Savannah

Recoverable

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

lient Sample ID: AF50602						La	b 5	ample ID:	680-227330-
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	108000	-	500		ug/L	1	-	6010D	Total
					0.500				R ecoverable
ron	1770		100		ug/L	1		6010D	Total
									R ecoverable
Arsenio	62.1		3.00		ug/L	1		60208	Total
									R ecoverable
9 arium	62.1		5.00		ug/L	1		6020B	Total
									R ecoverable
obalt	2.03		0.500		ug/L	1		6020B	Total
									R ecover able
ient Sample ID: AF50603						La	b S	ample ID:	680-227330
nalyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
alcium	106000		500	7000000	ug/L	1	-	6010D	Total
	1977.53		478			28		032432	R ecover able
ron	1670		100		ug/L	1		6010D	Total
					-0				Recoverable
usenio	69.0		3.00		ug/L	1		60208	Total
					31500				Recoverable
arium (67.5		5.00		ug/L	1		6020B	Total
									Recoverable
Cobalt	2.17		0.500		ug/L	1		60208	Total
									R ecover able
ient Sample ID: AF50608						La	b S	ample ID:	680-227330
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	303000		500		ug/L	1		6010D	Total
									Riecoverable
ron	112000		100		ug/L	1		6010D	Total
									Recoverable
Arsenio	6.11		3.00		ug/L	1		60208	Total
									Riecoverable
Barium	24.8		5.00		ug/L:	1		6020B	Total
									Recoverable
9 eryllium	11.6		0.500		ug/L	1		6020B	Total
									R ecover able
Cadmium	2.95		0.500		ug/L	1		6020B	Total
296 30	3200		2:2000		25	93		42000000	R ecoverable
Cobalt	75.2		0.500		ug/L	1		6020B	Total
5.54	Francisco (20.50		0.00	· ·		00000	R ecoverable
Lead	47.3		2.50		ug/L	1		6020B	Total
1141	20.4		500			3		eccop	Recoverable
lidkel .	36.1		5.00		ug/L	1		6020B	Total
Sala alice	EE O		2.50			4		6020B	R ecoverable Total
Selenium	55.8		2.50		ug/L	1		00208	R ecoverable
Zinc	55.0		20.0		ug/L	1		6020B	Total
	30.0		,20.0		29.0				rotar Riecoverable
lient Sample ID: AF50609						La	b S	ample ID:	680-227330
Analyte	Recul+	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
	307000	Actual Let	500	MUL		DII Fac 1	0	6010D	
Calcium	307000		500		ug/L	1		30100	Total
ron.	114000		100		ug/L	1		6010D	R ecoverable Total
Iron	114000		100		agre			30,00	R ecover able

This Detection Summary does not include radiochemical test results.

Eurofins Savannah

Recoverable

12/22/2022

Job ID: 680-227330-1

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.1/36500

Client Sam	ple ID:	AF50609	(Continued)
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Lah	Same	IA ID:	680-22	7330-8
Lab	Sallip	ie iv.	00U-ZZ	7000-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	9.23	10.0000101000	3.00		ug/L	1		6020B	Total
									Recoverable
Barium	24.9		5.00		ug/L	1		6020B	Total
									R ecover able
Beryllium	14.7		0.500		ug/L	1		6020B	Total
									Recoverable
Cadmium	2.15		0.500		ug/L	1		6020B	Total
									R ecover able
Cobalt	78.6		0.500		ug/L	1		6020B	Total
									R ecover able
Lead	48.3		2.50		ug/L	1		6020B	Total
									R ecover able
Nickel	38.0		5.00		ug/L	1		6020B	Total
									R ecover able
Selenium	56.9		2.50		ug/L	1		6020B	Total
									Recoverable
Zinc	54.7		20.0		ug/L	1		6020B	Total
									Recoverable

Client Sample ID: AF50610

Lab Sample ID: 680-227330-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac) Method	Prep Type
Calcium	1620		500		ug/L	1	6010D	Total
								R ecoverable
Iron	2260		100		ug/L	10	6010D	Total
								Recoverable
Barium	35.2		5.00		ug/L	1	6020B	Total
								Recoverable
Beryllium	0.775		0.500		ug/L	1	6020B	Total
								Recoverable
Chromium	5.79		5.00		ug/L	1	6020B	Total
								Recoverable
Cobalt	20.2		0.500		ug/L	1	6020B	Total
								Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Savannah

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Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.1/36500 Job ID: 680-227330-1

Client Sample ID: AF50607 Lab Sample ID: 680-227330-1

Matrix: Water

Date Collected: 12/06/22 10:22 Date Received: 12/09/22 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	673000		500		ug/L		12/12/22 14:06	12/13/22 14:08	1
Iron	40600		100		ug/L		12/12/22 14:06	12/13/22 14:08	4
Method: SW846 6020B - I	Metals (ICP/MS) - Total	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:30	1
Arsenio	3.00	U	3.00		ug/L		12/12/22 14:06	12/13/22 14:30	1
Barium	45.6		5.00		ug/L		12/12/22 14:06	12/13/22 14:30	1
Beryllium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:30	1
Cadmium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:30	1
Chromium	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:30	1
Cobalt	7.32		0.500		ug/L		12/12/22 14:06	12/13/22 14:30	1
Copper	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:30	1
Lead	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 14:30	1
Nideel	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:30	1
Selenium	3.58		2.50		ug/L		12/12/22 14:06	12/13/22 14:30	1
Thallium	1.00	U	1.00		ug/L		12/12/22 14:06	12/13/22 14:30	1
Zinc	20.0	U	20.0		ug/L		12/12/22 14:06	12/13/22 14:30	1
Method: SW846 7470A - I	Mercury (CVAA)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U F1	0.200		ug/L	10000	12/13/22 08:49	12/13/22 17:40	1
Mercury	0.200	U	0.200		ug/L		12/20/22 15:23	12/21/22 16:37	1

12/22/2022

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Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.1/36500 Job ID: 680-227330-1

Lab Sample ID: 680-227330-2

Matrix: Water

Client Sample ID: AF50606

Date Collected: 12/06/22 11:34 Date Received: 12/09/22 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caldium	81700		500		ug/L		12/12/22 14:06	12/13/22 14:11	1
Iron	88800		100		ug/L		12/12/22 14:06	12/13/22 14:11	1
Method: SW846 6020B -	Metals (ICP/MS) - Total	Recoverable	9						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:33	1
Arsenio	3.00	U	3.00		ug/L		12/12/22 14:06	12/13/22 14:33	1
Barium	273		5.00		ug/L		12/12/22 14:06	12/13/22 14:33	1
Beryllium	1.99		0.500		ug/L		12/12/22 14:08	12/13/22 14:33	1
Cadmium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:33	1
Chromium	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:33	1
Cobalt	21.1		0.500		ug/L		12/12/22 14:08	12/13/22 14:33	1
Copper	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:33	1
Lead	3.70		2.50		ug/L		12/12/22 14:06	12/13/22 14:33	1
Nickel	8.37		5.00		ug/L		12/12/22 14:06	12/13/22 14:33	1
Selenium	4.99		2.50		ug/L		12/12/22 14:06	12/13/22 14:33	1
Thallium	1.00	U	1.00		ug/L		12/12/22 14:06	12/13/22 14:33	1
Zinc	20.0	Ü	20.0		ug/L		12/12/22 14:06	12/13/22 14:33	1
Method: SW846 7470A -	Mercury (CVAA)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L	100	12/13/22 08:49	12/13/22 17:48	1

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.1/36500 Job ID: 680-227330-1

Lab Sample ID: 680-227330-3

Matrix: Water

Date Collected: 12/06/22 13:25 Date Received: 12/09/22 10:00

Client Sample ID: AF50605

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caldium	97300		500		ug/L		12/12/22 14:06	12/13/22 14:14	1
Iron	83400		100		ug/L		12/12/22 14:06	12/13/22 14:14	1
Method: SW846 6020B - N	letals (ICP/MS) - Total	Recoverable	9						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:38	1
Arsenio	96.8		3.00		ug/L		12/12/22 14:06	12/13/22 14:38	1
Barium	122		5.00		ug/L		12/12/22 14:06	12/13/22 14:38	1
Beryllium	0.500	U	0.500		ug/L		12/12/22 14:08	12/13/22 14:38	1
Cadmium	0.500	U	0.500		ug/L		12/12/22 14:08	12/13/22 14:38	1
Chromium	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:38	1
Cobalt	0.820		0.500		ug/L		12/12/22 14:06	12/13/22 14:38	1
Copper	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:38	1
Lead	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 14:38	1
Nickel	5.00	U	5.00		ug/L		12/12/22 14:08	12/13/22 14:38	1
Selenium	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 14:38	1
Thallium	1.00	U	1.00		ug/L		12/12/22 14:06	12/13/22 14:38	1
Zinc	20.0	U.	20.0		ug/L		12/12/22 14:06	12/13/22 14:38	1
Method: SW846 7470A - N	Mercury (CVAA)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200	120000000	ug/L		12/13/22 08:49	12/13/22 17:50	1

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Lab Sample ID: 680-227330-4 Client Sample ID: AF50604 Date Collected: 12/06/22 14:34

Matrix: Water

Date Received: 12/09/22 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caldium	184000		500		ug/L		12/12/22 14:06	12/13/22 13:50	1
Iron	5760		100		ug/L		12/12/22 14:06	12/13/22 13:50	1
Method: SW846 6020B -	Metals (ICP/MS) - Total	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:14	1
Arsenio	186		3.00		ug/L		12/12/22 14:06	12/13/22 14:14	1
Barium	84.5		5.00		ug/L		12/12/22 14:06	12/13/22 14:14	1
Beryllium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:14	1
Cadmium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:14	1
Chromium	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:14	1
Cobalt	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:14	1
Copper	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:14	1
Lead	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 14:14	1
Nickel	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:14	1
Selenium	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 14:14	1
Thallium	1.00	U	1.00		ug/L		12/12/22 14:06	12/13/22 14:14	1
Zinc	20.0	Ü	20.0		ug/L		12/12/22 14:06	12/13/22 14:14	1
Method: SW846 7470A -	Mercury (CVAA)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		12/13/22 08:49	12/13/22 17:53	1

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Lab Sample ID: 680-227330-5 Client Sample ID: AF50602

Date Collected: 12/07/22 10:07 Matrix: Water

Date Received: 12/09/22 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Caldium	108000		500		ug/L		12/12/22 14:06	12/13/22 13:59	
Iron	1770		100		ug/L		12/12/22 14:06	12/13/22 13:59	ě
Method: SW846 6020B -	Metals (ICP/MS) - Total	Recoverable	9						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Antimony	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:22	3
Arsenio	62.1		3.00		ug/L		12/12/22 14:06	12/13/22 14:22	
Barium	62.1		5.00		ug/L		12/12/22 14:06	12/13/22 14:22	
Beryllium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:22	
Cadmium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:22	
Chromium	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:22	
Cobalt	2.03		0.500		ug/L		12/12/22 14:06	12/13/22 14:22	
Copper	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:22	
Lead	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 14:22	
Nickel	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:22	
Selenium	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 14:22	
Thallium	1.00	U	1.00		ug/L		12/12/22 14:06	12/13/22 14:22	
Zine	20.0	U	20.0		ug/L		12/12/22 14:06	12/13/22 14:22	
Method: SW846 7470A -	Mercury (CVAA)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Mercury	0.200	U	0.200	1000000	ug/L		12/13/22 08:49	12/13/22 17:55	

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.1/36500 Job ID: 680-227330-1

Lab Sample ID: 680-227330-6

Matrix: Water

Client Sample ID: AF50603 Date Collected: 12/07/22 10:12 Date Received: 12/09/22 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caldium	106000		500		ug/L		12/12/22 14:06	12/13/22 14:02	1
Iron	1670		100		ug/L		12/12/22 14:06	12/13/22 14:02	1
Method: SW846 6020B - I	Metals (ICP/MS) - Total	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:24	1
Arsenio	69.0		3.00		ug/L		12/12/22 14:06	12/13/22 14:24	1
Barium	67.5		5.00		ug/L		12/12/22 14:06	12/13/22 14:24	1
Beryllium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:24	1
Cadmium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:24	1
Chromium	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:24	1
Cobalt	2.17		0.500		ug/L		12/12/22 14:06	12/13/22 14:24	1
Copper	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:24	1
Lead	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 14:24	1
Nickel	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:24	1
Selenium	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 14:24	1
Thallium	1.00	U	1.00		ug/L		12/12/22 14:06	12/13/22 14:24	1
Zinc	20.0	U	20.0		ug/L		12/12/22 14:06	12/13/22 14:24	1
Method: SW846 7470A - I	Mercury (CVAA)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L	-	12/13/22 08:49	12/13/22 17:58	1

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.1/36500 Job ID: 680-227330-1

Lab Sample ID: 680-227330-7

Matrix: Water

Date Collected: 12/07/22 13:42 Date Received: 12/09/22 10:00

Client Sample ID: AF50608

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	303000		500		ug/L		12/12/22 14:06	12/13/22 14:05	1
Iron	112000		100		ug/L		12/12/22 14:06	12/13/22 14:05	1
Method: SW846 6020B -	Metals (ICP/MS) - Total	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:27	1
Arsenio	6.11		3.00		ug/L		12/12/22 14:06	12/13/22 14:27	1
Barium	24.8		5.00		ug/L		12/12/22 14:06	12/13/22 14:27	1
Beryllium	11.6		0.500		ug/L		12/12/22 14:06	12/13/22 14:27	1
Cadmium	2.95		0.500		ug/L		12/12/22 14:08	12/13/22 14:27	1
Chromium	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:27	1
Cobalt	75.2		0.500		ug/L		12/12/22 14:08	12/13/22 14:27	1
Copper	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:27	1
Lead	47.3		2.50		ug/L		12/12/22 14:06	12/13/22 14:27	1
Nickel	36.1		5.00		ug/L		12/12/22 14:06	12/13/22 14:27	1
Selenium	55.8		2.50		ug/L		12/12/22 14:06	12/13/22 14:27	1
Thallium	1.00	U	1.00		ug/L		12/12/22 14:06	12/13/22 14:27	1
Zine	55.0		20.0		ug/L		12/12/22 14:06	12/13/22 14:27	1
Method: SW846 7470A -	Mercury (CVAA)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L	- Children	12/13/22 08:49	12/13/22 18:05	1

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PE

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Lab Sample ID: 680-227330-8 Client Sample ID: AF50609

Matrix: Water

Date Collected: 12/07/22 13:47 Date Received: 12/09/22 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Caldium	307000		500		ug/L		12/12/22 14:06	12/13/22 14:17	
Iron	114000		100		ug/L		12/12/22 14:06	12/13/22 14:17	
Method: SW846 6020B - Meta	als (ICP/MS) - Total	Recoverable	9						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Antimony	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:41	3
Arsenio	923		3.00		ug/L		12/12/22 14:06	12/13/22 14:41	
Barium	24.9		5.00		ug/L		12/12/22 14:06	12/13/22 14:41	3
Beryllium	14.7		0.500		ug/L		12/12/22 14:06	12/13/22 14:41	
Cadmium	2.15		0.500		ug/L		12/12/22 14:06	12/13/22 14:41	
Chromium	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:41	
Cobalt	78.6		0.500		ug/L		12/12/22 14:06	12/13/22 14:41	
Copper	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:41	
Lead	48.3		2.50		ug/L		12/12/22 14:06	12/13/22 14:41	
Nickel	38.0		5.00		ug/L		12/12/22 14:06	12/13/22 14:41	
Selenium	56.9		2.50		ug/L		12/12/22 14:06	12/13/22 14:41	
Thallium	1.00	U	1.00		ug/L		12/12/22 14:06	12/13/22 14:41	
Zine	54.7		20.0		ug/L		12/12/22 14:06	12/13/22 14:41	
Method: SW846 7470A - Mer	cury (CVAA)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Mercury	0.200	U	0.200	12000000	ug/L	-	12/13/22 08:49	12/13/22 18:08	

12/22/2022

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.1/36500 Job ID: 680-227330-1

Lab Sample ID: 680-227330-9

Matrix: Water

Date Collected: 12/07/22 15:03 Date Received: 12/09/22 10:00

Client Sample ID: AF50610

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Caldium	1620		500		ug/L		12/12/22 14:06	12/13/22 14:20	1
Iron	2260		100		ug/L		12/12/22 14:06	12/13/22 14:20	1
Method: SW846 6020B - I	Metals (ICP/MS) - Total	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:44	1
Arsenio	3.00	U	3.00		ug/L		12/12/22 14:06	12/13/22 14:44	1
Barium	35.2		5.00		ug/L		12/12/22 14:06	12/13/22 14:44	া
Beryllium	0.775		0.500		ug/L		12/12/22 14:06	12/13/22 14:44	1
Cadmium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:44	1
Chromium	5.79		5.00		ug/L		12/12/22 14:06	12/13/22 14:44	1
Cobalt	20.2		0.500		ug/L		12/12/22 14:08	12/13/22 14:44	1
Copper	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:44	1
Lead	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 14:44	1
Nideel	5.00	U	5.00		ug/L		12/12/22 14:08	12/13/22 14:44	1
Selenium	2.50	u	2.50		ug/L		12/12/22 14:08	12/13/22 14:44	1
Thallium	1.00	U	1.00		ug/L		12/12/22 14:06	12/13/22 14:44	1
Zinc	20.0	U	20.0		ug/L		12/12/22 14:06	12/13/22 14:44	1
Method: SW846 7470A - I	Mercury (CVAA)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		12/13/22 08:49	12/13/22 18:11	1

Job ID: 680-227330-1

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.1/36500

Method: 6010D - Metals (ICP)

Lab Sample	ID: MB	680-754738/	1-A
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Matrix: Water

Analysis Batch: 755000

Client Sample ID: Method Blank Prep Type: Total Recoverable Prep Batch: 754738

MB	MB							
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
500	U	500		ug/L		12/12/22 14:06	12/13/22 13:35	1
100	Û.	100		unA		12/12/22 14:06	12/13/22 13:35	1

Lab Sample ID: LCS 680-754738/2-A

Matrix: Water

Analyte Calcium Iron

Analysis Batch: 755000

Client Sample ID: Lab Control Sample Prep Type: Total Recoverable Prep Batch: 754738

CONTRACT CONTRACTOR OF STREET	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Calcium	5000	4611		ug/L		92	80 . 120	
Iron	5000	4674		ug/L		93	80 - 120	

Method: 6020B - Metals (ICP/MS)

Lab Sample	ID: ME	8 680-754	1740/1-A
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Matrix: Water

Client Sample ID: Method Blank Prep Type: Total Recoverable

Analysis Batch: 755052								Prep Batch:	754740
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 13:49	1
Arsenic	3.00	U	3.00		ug/L		12/12/22 14:06	12/13/22 13:49	1
Barium	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 13:49	1
Beryllium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 13:49	1
Cadmium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 13:49	1
Chromium	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 13:49	:1
Cobalt	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 13:49	.1
Copper	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 13:49	11
Lead	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 13:49	11
Nickel	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 13:49	:1
Selenium	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 13:49	1
Thallium	1.00	U	1.00		ug/L		12/12/22 14:06	12/13/22 13:49	1
Zinc	20.0	U	20.0		ug/L		12/12/22 14:06	12/13/22 13:49	1

Lab Sample ID: LCS 680-754740/2-A

Matrix: Water

Analysis Batch: 755052

Client Sample ID: Lab Control Sample Prep Type: Total Recoverable Prep Batch: 754740

	Spike	LCS	LCS				%Rec	200
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Antimony	50.0	58.15		ug/L		116	80 - 120	
Arsenic	100	103.8		ug/L		104	80 . 120	
Barium	100	110.7		ug/L		111	80 - 120	
Beryllium	50.0	58.21		ug/L		116	80 . 120	
Cadmium	50.0	54.60		ug/L		109	80 - 120	
Chromium	100	116.2		ug/L		116	80 - 120	
Cobalt	50.0	57.53		ug/L		115	80 . 120	
Copper	100	117.1		ug/L		117	80 - 120	
Lead	505	547.5		ug/L		109	80 - 120	
Nickel	99.0	116.8		ug/L		118	80 . 120	
Selenium	150	154.6		ug/L		103	80 - 120	
Thallium	50.0	52.85		ug/L		108	80 - 120	

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Job ID: 680-227330-1

Method: 6020B	- Metals i	(ICP/MS)	(Continued)
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Lab Sample ID: LCS 680-754740/2-A					Client	Sample	ID: Lab Control Sample
Matrix: Water						Prep	Type: Total Recoverable
Analysis Batch: 755052							Prep Batch: 754740
	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Zinc	100	112.1		ug/L		112	80 - 120

Analyte			мааеа	Result	Qualifier	Unit		D	Warte C	umits		
Zinc			100	112.1		ug/L			112	80 - 120		
Method: 7470A - Mercury (CVA	A)											
Lab Sample ID: MB 680-754829/12-	A								Client Sa	ample ID:	Method	Blank
Matrix: Water										Ргер 1	Type: To	tal/NA
Analysis Batch: 755259										Ргер І	Batch: 7	754829
		MB MB										
Analyte	R	esult Qualifier		RL	MDL Unit		D	Pr	repared	Analyz	zed	Dil Fa
Mercury	(0200 U	0.2	00	ug/L			12/1	3/22 08:49	12/13/22	17:35	
Lab Sample ID: LCS 680-754829/13 Matrix: Water	A						CI	ient	Sample	ID: Lab Co Prep 1	ontrol S Type: To	
Analysis Batch: 755259										Name of the Park	Batch: 7	754829
			Spike		LCS					%Rec		
Analyte			Added		Qualifier	Unit		D	%Rec	Limits		
Mercury			2.50	2.502		ug/L			100	80 - 120		
Lab Sample ID: 680-227330-1 MS Matrix: Water									Clie	ent Sampl Prep 1	e ID: AF Type: To	
Analysis Batch: 755259											Batch: 7	
The Join Date in 1992.	Sample	Sample	Spike	MS	MS					%Rec	Datoiii i	O IOLO
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit		D	%Rec	Limits		
Mercury	0.200	U F1	1.00	0.3308	F1	ug/L			33	80 - 120		
Lab Sample ID: 680-227330-1 MS Matrix: Water Analysis Batch: 755260									Clie		e ID: AF Type: To Batch: 7	tal/NA
	Sample	Sample	Spike	MS	MS					%Rec		
Analyte	-	Qualifier	Added		Qualifier	Unit		D	%Rec	Limits		
Mercury	0.200	U F1	1.00	0.3699	F1	ug/L			37	80 . 120		
Lab Sample ID: 680-227330-1 MSD Matrix: Water									Clie	ent Sampl	e ID: AF	
Analysis Batch: 755259										33.00	Batch: 7	
Allaysis butch. 133230	Sample	Sample	Spike	MSD	MSD					%Rec	Dateii. i	RPD
Analyte		Qualifier	Added		Qualifier	Unit		D	%Rec	Limits	RPD	Limit
Mercury	0.200		1.00	0.3280	N. C. A. S. S. S. S. S. S. S. S. S. S. S. S. S.	ug/L		-	33	80 . 120	1	20
Lab Sample ID: 680-227330-1 MSD Matrix: Water Analysis Batch: 755260									Clie	5 V V V V V V V V V V V V V V V V V V V	e ID: AF Type: To Batch: 7	tal/NA
	Sample	Sample	Spike	MSD	MSD					%Rec		RPE
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit		D	%Rec	Limits	RPD	Limi

8

20

1.00

0.3991 F1

ug/L

40

80 - 120

0.200 UF1

Mercury

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.1/36500

Mercury

Job ID: 680-227330-1

80 - 120

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

Lab Sample ID: MB 680-756169/1-A	Client Sample ID: Method Blank
Matrix: Water	Prep Type: Total/NA
Analysis Batch: 756421	Prep Batch: 756169
WE 32	

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		12/20/22 15:23	12/21/22 13:32	1

Lab Sample ID: LCS 680-756169/2-A					Client	Sample	ID: Lab Control Sample
Matrix: Water							Prep Type: Total/NA
Analysis Batch: 756421							Prep Batch: 756169
	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits

2.348

ug/L

2.50

QC Association Summary

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

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Prep	Da	LIII.	1341	JO

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-227330-1	AF50607	Total Recoverable	Water	3005A	
680-227330-2	AF50606	Total Recoverable	Water	3005A	
680-227330-3	AF50605	Total Recoverable	Water	3005A	
680-227330-4	AF50604	Total Recoverable	Water	3005A	
680-227330-5	AF50602	Total Recoverable	Water	3005A	
680-227330-6	AF50603	Total Recoverable	Water	3005A	
680-227330-7	AF50608	Total Recoverable	Water	3005A	
680-227330-8	AF50609	Total Recoverable	Water	3005A	
680-227330-9	AF50610	Total Recoverable	Water	3005A	
MB 680-754738/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-754738/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 754740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-227330-1	AF50607	Total Recoverable	Water	3005A	
680-227330-2	AF50606	Total Recoverable	Water	3005A	
680-227330-3	AF50605	Total Recoverable	Water	3005A	
680-227330-4	AF50604	Total Recoverable	Water	3005A	
680-227330-5	AF50602	Total Recoverable	Water	3005A	
680-227330-6	AF50603	Total Recoverable	Water	3005A	
680-227330-7	AF50608	Total Recoverable	Water	3005A	
680-227330-8	AF50609	Total Recoverable	Water	3005A	
680-227330-9	AF50610	Total Recoverable	Water	3005A	
MB 680-754740/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-754740/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 754829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-227330-1	AF50607	TotaVNA	Water	7470A	
680-227330-2	AF50606	Total/NA	Water	7470A	
680-227330-3	AF50605	TotaVNA	Water	7470A	
680-227330-4	AF50604	Total/NA	Water	7470A	
680-227330-5	AF50602	TotaVNA	Water	7470A	
680-227330-6	AF50603	TotaVNA	Water	7470A	
680-227330-7	AF50608	TotaVNA	Water	7470A	
680-227330-8	AF50609	TotaVNA	Water	7470A	
680-227330-9	AF50610	TotaVNA	Water	7470A	
MB 680-754829/12-A	Method Blank	TotaVNA	Water	7470A	
LCS 680-754829/13-A	Lab Control Sample	TotaVNA	Water	7470A	
680-227330-1 MS	AF50607	TotaVNA	Water	7470A	
680-227330-1 MSD	AF50607	Total/NA	Water	7470A	

Analysis Batch: 755000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-227330-1	AF50607	Total Recoverable	Water	6010D	754738
680-227330-2	AF50606	Total Recoverable	Water	6010D	754738
680-227330-3	AF50605	Total Recoverable	Water	6010D	754738
680-227330-4	AF50604	Total Recoverable	Water	6010D	754738
680-227330-5	AF50602	Total Recoverable	Water	6010D	754738
680-227330-6	AF50603	Total Recoverable	Water	6010D	754738
680-227330-7	AF50608	Total Recoverable	Water	6010D	754738

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QC Association Summary

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

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Metals (Continued)

Analysis Batch: 755000 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-227330-8	AF50609	Total Recoverable	Water	6010D	754738
680-227330-9	AF50610	Total Recoverable	Water	6010D	754738
MB 680-754738/1-A	Method Blank	Total Recoverable	Water	6010D	754738
LCS 680-754738/2-A	Lab Control Sample	Total Recoverable	Water	6010D	754738

Analysis Batch: 755052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-227330-1	AF50607	Total Recoverable	Water	6020B	754740
680-227330-2	AF50606	Total Recoverable	Water	6020B	754740
680-227330-3	AF50605	Total Recoverable	Water	6020B	754740
680-227330-4	AF50604	Total Recoverable	Water	6020B	754740
680-227330-5	AF50602	Total Recoverable	Water	6020B	754740
680-227330-6	AF50603	Total Recoverable	Water	6020B	754740
680-227330-7	AF50608	Total Recoverable	Water	6020B	754740
680-227330-8	AF50609	Total Recoverable	Water	6020B	754740
680-227330-9	AF50610	Total Recoverable	Water	6020B	754740
MB 680-754740/1-A	Method Blank	Total Recoverable	Water	6020B	754740
LCS 680-754740/2-A	Lab Control Sample	Total Recoverable	Water	6020B	754740

Analysis Batch: 755259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-227330-1	AF50607	Total/NA	Water	7470A	754829
680-227330-2	AF50606	Total/NA	Water	7470A	754829
680-227330-3	AF50605	Total/NA	Water	7470A	754829
680-227330-4	AF50604	Total/NA	Water	7470A	754829
680-227330-5	AF50602	Total/NA	Water	7470A	754829
680-227330-6	AF50603	Total/NA	Water	7470A	754829
680-227330-7	AF50608	Total/NA	Water	7470A	754829
680-227330-8	AF50609	Total/NA	Water	7470A	754829
680-227330-9	AF50610	Total/NA	Water	7470A	754829
MB 680-754829/12-A	Method Blank	Total/NA	Water	7470A	754829
LCS 680-754829/13-A	Lab Control Sample	Total/NA	Water	7470A	754829
680-227330-1 MS	AF50607	Total/NA	Water	7470A	754829
680-227330-1 MSD	AF50607	Total/NA	Water	7470A	754829

Analysis Batch: 755260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-227330-1 MS	AF50607	Total/NA	Water	7470A	754829
680-227330-1 MSD	AF50607	Total/NA	Water	7470A	754829

Prep Batch: 756169

Lab Sample ID 680-227330-1	Client Sample ID AF50607	Prep Type Total/NA	Matrix Water	Method 7470A	Prep Batch
MB 680-756169/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-756169/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 756421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-227330-1	AF50607	Total/NA	Water	7470A	756169
MB 680-756169/1-A	Method Blank	Total/NA	Water	7470A	756169
LCS 680-756169/2-A	Lab Control Sample	Total/NA	Water	7470A	756169

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Job ID: 680-227330-1

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.1/36500

Client Sample ID: AF50607

Lab Sample ID: 680-227330-1

Matrix: Water

Date Collected: 12/06/22 10:22 Date Received: 12/09/22 10:00

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			754738	RR	EETSAV	12/12/22 14:06
Total Recoverable	Analysis	60 10D		1	755000	BJB	EETSAV	12/13/22 14:08
Total Recoverable	Prep	3005A			754740	RR	EETSAV	12/12/22 14:06
Total Recoverable	Analysis	6020B		≥1	755052	BWR	EETSAV	12/13/22 14:30
Total/NA	Prep	7470A			756169	всв	EETSAV	12/20/22 15:23
TotaVNA	Analysis	7470A		1	756421	всв	EETSAV	12/21/22 16:37
Total/NA	Prep	7470A			754829	JKL	EETSAV	12/13/22 08:49
TotaVNA	Analysis	7470A		31	755259	JKL	EETSAV	12/13/22 17:40

Client Sample ID: AF50606

Lab Sample ID: 680-227330-2

Matrix: Water

Date Collected: 12/06/22 11:34 Date Received: 12/09/22 10:00

Batch Batch Batch Dilution Prepared Method Prep Type Туре Run Factor Number Analyst Lab or Analyzed Total Recoverable 3005A 754738 RR **EETSAV** 12/12/22 14:06 Prep Total Recoverable Analysis 6010D 755000 BJB **EETSAV** 12/13/22 14:11 3005A 754740 RR 12/12/22 14:06 Total Recoverable Prep **EETSAV** 12/13/22 14:33 Total Recoverable Analysis 6020B 1 755052 BWR **EETSAV** Total/NA Prep 7470A 754829 JKL **EETSAV** 12/13/22 08:49 **Total/NA** Analysis 7470A 755259 JKL **EETSAV** 12/13/22 17:48

Client Sample ID: AF50605

Lab Sample ID: 680-227330-3

Matrix: Water

Date Collected: 12/06/22 13:25 Date Received: 12/09/22 10:00

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			754738	RR	EETSAV	12/12/22 14:06
Total Recoverable	Analysis	60 10D		31	755000	BJB	EETSAV	12/13/22 14:14
Total Recoverable	Prep	3005A			754740	RR	EETSAV	12/12/22 14:06
Total Recoverable	Analysis	60208		1	755052	BWR	EETSAV	12/13/22 14:38
TotaVNA	Prep	7470A			754829	JKL	EETSAV	12/13/22 08:49
TotaVNA	Analysis	7470A		1	755259	JKL	EETSAV	12/13/22 17:50

Client Sample ID: AF50604

Lab Sample ID: 680-227330-4

Matrix: Water

Date Collected: 12/06/22 14:34 Date Received: 12/09/22 10:00

	Batch	Batch		Dilution	Batich			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			754738	RR	EETSAV	12/12/22 14:06
Total Recoverable	Analysis	60 10D		1	755000	BJB	EETSAV	12/13/22 13:50
Total Recoverable	Prep	3005A			754740	RR	EETSAV	12/12/22 14:06
Total Recoverable	Analysis	6020B		1	755052	BWR .	EETSAV	12/13/22 14:14
TotaVNA	Prep	7470A			754829	JKL	EETSAV	12/13/22 08:49
TotaVNA	Analysis	7470A		1	755259	JKL	EETSAV	12/13/22 17:53

Eurofins Savannah

Job ID: 680-227330-1

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.1/36500

Client Sample ID: AF50602

Date Collected: 12/07/22 10:07 Date Received: 12/09/22 10:00

Lab Sample ID: 680-227330-5

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			754738	RR	EETSAV	12/12/22 14:06
Total Recoverable	Analysis	60 10D		1	755000	BJB	EETSAV	12/13/22 13:59
Total Recoverable	Prep	3005A			754740	RR	EETSAV	12/12/22 14:06
Total Recoverable	Analysis	60208		-11	755052	BWR	EETSAV	12/13/22 1422
TotaVNA	Prep	7470A			754829	JKL	EETSAV	12/13/22 08:49
TotaVNA	Analysis	7470A		1	755259	JKL	EETSAV	12/13/22 17:55

Client Sample ID: AF50603

Date Collected: 12/07/22 10:12 Date Received: 12/09/22 10:00

Lab Sample ID: 680-227330-6

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			754738	RR	EETSAV	12/12/22 14:06
Total Recoverable	Analysis	6010D		21	755000	BJB	EETSAV	12/13/22 14:02
Total Recoverable	Prep	3005A			754740	RR	EETSAV	12/12/22 14:06
Total Recoverable	Analysis	60208		1	755052	BWR	EETSAV	12/13/22 1424
Total/NA	Prep	7470A			754829	JKL	EETSAV	12/13/22 08:49
TotaVNA	Analysis	7470A		31	755259	JKL	EETSAV	12/13/22 17:58

Client Sample ID: AF50608

Date Collected: 12/07/22 13:42

Date Received: 12/09/22 10:00

Lab Sample ID: 680-227330-7

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			754738	RR	EETSAV	12/12/22 14:06
Total Recoverable	Analysis	60 10D		1	755000	BJB	EETSAV	12/13/22 14:05
Total Recoverable	Prep	3005A			754740	RR	EETSAV	12/12/22 14:06
Total Recoverable	Analysis	6020B		31	755052	BWR	EETSAV	12/13/22 14:27
TotaVNA	Prep	7470A			754829	JKL	EETSAV	12/13/22 08:49
TotaVNA	Analysis	7470A		1	755259	JKL	EETSAV	12/13/22 18:05

Client Sample ID: AF50609

Date Collected: 12/07/22 13:47

Date Received: 12/09/22 10:00

Lab Sample ID: 680-22/330-	8	
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Matrix: Water

	Batch	Batch		Dilution	Batich			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			754738	RR	EETSAV	12/12/22 14:06
Total Recoverable	Analysis	60 10D		₹1	755000	BJB	EETSAV	12/13/22 14:17
Total Recoverable	Prep	3005A			754740	RR	EETSAV	12/12/22 14:06
Total Recoverable	Analysis	6020B		1	755052	BWR	EETSAV	12/13/22 14:41
TotaVNA	Prep	7470A			754829	JKL	EETSAV	12/13/22 08:49
TotaVNA	Analysis	7470A		1	755259	JKL	EETSAV	12/13/22 18:08

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.1/36500

Client Sample ID: AF50610

Lab Sample ID: 680-227330-9

Matrix: Water

Date Collected: 12/07/22 15:03 Date Received: 12/09/22 10:00

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			754738	RR	EETSAV	12/12/22 14:06
Total Recoverable	Analysis	60 10D		1	755000	BJB	EETSAV	12/13/22 14:20
Total Recoverable	Prep	3005A			754740	RR	EETSAV	12/12/22 14:06
Total Recoverable	Analysis	6020B		:1	755052	BWR	EETSAV	12/13/22 14:44
TotaVNA	Prep	7470A			754829	JKL	EETSAV	12/13/22 08:49
TotaVNA	Analysis	7470A		1	755259	JKL	EETSAV	12/13/22 18:11

Laboratory References:

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL(912)3547858

Eurofins Savannah

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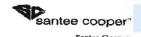
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Chain of Custody



Santes Cooper One Riverwood Drive Moncks Corner, SC 29461 Phone (843)761-8000 Ext. 5148 Faw (843)761-4178

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LIN	DA V	VILLIA	M5	@santeec	ooper.com	_			0			125	915		/ JM	02.6	9.601.1	1 36500 (Y	ës N	o			
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1000	work: ernal i)		1	nple Locatio cription	n/	Coffection Date		Collection Time	Sample Collector		Total # of containers	Bottle type: (Glass- G/Djactic-D)	Grab (G) or	Composite (C)	Matrix(see below)	Preservative (see	Me Rej Mis An	Comments thod # porting limit sc. sample info y other notes	TOTAL METALS	-SEE BELOW			
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	tou	med by:		S5594 Employee#	(2/8/22 Date	(Sc		Receiv	A De		7.	mploye		\mathcal{L}	V/9	- 10	O: ID	Correct pH; Yes	No				
			1					Mevelo		•	+-	mproyec				+	ninie.	Preservative Lot#:	15	1,	1,	~	
Re	linquis	hed by:		Employee#	Date	Tim	e	Receiv	ed by:		E	mployee	#	,,,,,	Date		Time			1	1	5-)	
																		Date/Time/Init for pres	ervativ	e:			
				LS (all)	Nutr	ient	s	MIS	C.			Gı	/psu	ım	.		Coal	Flyash	T		Oil		
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ØA	1 101	OK.	i Nama katala	□ Sn	Do			□ Napthale □ THM/HA					sum	(all	•		☐ % Moist				kvistu	re	
-	-		TANTAL PROPERTY.		O TP/			□ VOC				belo					☐ Ash ☐ Sulfur	□ % Carbon		Cold			
OB		OLi		□ Sr	OF.			□ Oil & Gr □ E. Coli	ease			D T C					O BTUs	☐ Mineral Analysis		Diele IF I	etric S	trength	
ØB:				O Ti	D CI		1	□ Total Col	liform				tal me luble l				□ Volatile	Matter D Sieve			olved	Gases	
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ØC.	i	□Na		D'Zn	□ SO4			□ Rad 226				□pH	l .			DI	HGI	Oil & Grease		(As,	Cd.C	,Ni,Pl	,
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680-227330 Chain of Custody

Login Sample Receipt Checklist

Client: South Carolina Public Service Authority

Job Number: 680-227330-1

Login Number: 227330 List Source: Eurofins Savannah

List Number: 1

Creator: Padayao, Abigail

Creator: Padayao, Abigail		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	True	
sample custody seals, if present, are intact.	True	
he cooler or samples do not appear to have been compromised or ampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
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	
s 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 <6 mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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Accreditation/Certification Summary

Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Laboratory: Eurofins Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
South Carolina	State	98001	06-30-23

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Note: color coding is to assist with s	Field Data Sheets	collection)

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CCMAP-8	82.89	7.09	10.0-20.0	12/7/2022	1503	23.68

Drawdown: 7.13 depth to GW (ft)

Time	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1429	20,88	5.2	229	175	34	1.36
1434	20.3	5.18	254	84	62.7	0.81
1439	20.01	5.13	277	74	92.7	0.79
1444	19.95	5.1	285	59	63.9	0.63
1449	19.9	5.08	289	50	51.2	0.59
1454	19.84	5.06	291	44	38.4	0.51
1457	19.94	5.05	292	42	32.6	0.53
1500	19.92	5.05	293	42	32	0.52
1503	19.88	5.04	293	41	29.8	0.5
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CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CCMAP-8	82.89	7.88	10.0-20.0	11/3/2022	1344	23.68

Drawdown:

7.97

depth to GW (ft)

Time	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1304	23.4	5.14	175	41	3.2	3.28
1309	23:55	5.11	199	40	3.3	-2.58
1314	23.5	5.11	210	40	4.6	2.35
1319	23.73	5.12	215	39	7.6	2.12
1324	23,96	5.12	220	39	185	1.97
1329	24.15	5	220	37	276	1.07
1332	24.14	5.08	220	39	88.7	1.79
1335	24.11	5.01	225	37	225	1.04
1338	24.33	4.94	230	35	229	0.75
1341	24.36	4.9	234	34	244	0.71
1344	24.37	4.92	235	34	267	0.68

CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

Well ₪	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CCMAP-7	81.57	8.24	10'-20'	11/2/2022	1452	23.85

Drawdown: 8.39 depth to GW (ft)

Time	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1424	24.26	5.79	225	91	0.7	5.32
1429	24.36	5.25	234	79	0.3	1.66
1434	24.22	5.2	208	75	5.8	0.91
1439	24.29	5.24	189	77	2.2	0.74
1444	24.31	5.28	177	80	0,7	0.7
1449	24.23	5.3	171	82	0.7	0.65
1452	24.13	5.31	169	81	0,6	0.63
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CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CCMAP-6	84.41	9.34	10'-20'	11/2/2022	1351	24.14

Drawdown: 9.46 depth to GW (ft)

Time	Temp	pН	Eh	10.20	Turbidity	
	round 1	round 1	ORP	round 1		Oxygen
-	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1317	24.58	4.62	221	149	0.1	1.77
1322	24.43	4.6	257	150	0	1.4
1327	24.42	4.55	278	149	0	1.25
1332	24.49	4.52	295	148	0	1.18
1337	24.56	4.52	306	147	0	1.14
1342	24.58	4,49	316	146	0	1.09
1345	24.57	4.48	322	146	0	1.07
1348	24.58	4.47	327	146	0.2	1.05
1351	24.55	4.47	331	146	0	1.03
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CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CCMAP-5	83.71	7.49	10'-20'	10/31/2022	1013	21.89

Drawdown:

7.51

depth to GW (ft)

Time	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
936	22.91	6.85	151	550	11.6	2.21
941	22.78	6,88	148	548	2.2	2.12
946	22.89	6.87	144	549	0.2	1.84
951	22.96	6.71	111	548	0	1.22
956	23.02	6,65	67	551	0.2	0.98
1001	23.06	6,61	40	554	0	0.81
1004	23,06	6.6	32	555	0	0.77
1007	23.09	6.6	26	555	0	0.76
1010	23.08	6.59	21	555	0	0.71
1013	23.1	6.58	16	554	0	0.68
1						

CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

Samples were collected by Justin Kirk and Damien Johnson

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CCMAP-4	81.83	5.82	8'-18'	10/27/2022	1556	21.13

Drawdown: 6.07 depth to GW (ft)

Time	Temp round 1 (celcius)	pH round 1	Eh ORP	Spec Cond round 1	Turbidity (NTU)	Dissolved Oxygen
854	22.52	(units) 6.25	(mV)	(uS/cm) 494	14.7	(ppm) 2.43
859		6.22	37	474	6.5	1.35
904	22.79	6.22	-1	447	2.7	0.98
909	22.9	6.23	-11	441	1.9	0.88
914	22.97	6.25	-21	434	1.2	0.77
919	23	6,26	-26	426	0,5	0,71
922	23	6.27	-29	425	0,6	0,68
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CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions: Field data was lost when file wouldn't open. Field data redone on 11/4/22

Duplicate at 1601

Well ID	TOC Elevation	GW Depth	Screen Intervals	Sample Date	Sample Time	Total Well
	(feet)	(feet)	(ft, bgs)		A STATE OF THE STA	Depth
CCMAP-3	81.91	7.55	24'-34'	11/2/2022	1600	36.64

Drawdown:

7.59

depth to GW (ft)

Time	Temp round 1	pH round 1	Eh ORP	Spec Cond round 1		Dissolved Oxygen
-	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1529	26.34	6.63	171	3960	3.4	1.01
1534	26.19	6.7	162	4020	2.5	0.75
153 <mark>9</mark>	26.17	6.62	166	4030	1.8	0.65
1544	26.16	6.43	49	4050	1.4	- 0.58 -
1549	26,21	6.43	30	4090	0,7	0.58
1554	26,29	6,41	14	4150	0,4	0.55
15 <mark>5</mark> 7	26,33	6.4	9	4180	0.3	0.54
16 <mark>0</mark> 0	26.37	6.41	5	4220	0.1	0.53
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CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CCMAP-2	81.24	7.99	13-23	11/3/2022	1220	26.67

Drawdown: 8.04 depth to GW (ft)

Time	Temp	рН	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1		Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1200	24.02	5.7	83	46	3.6	2.29
1205	23.85	5.62	69	54	1.9	1.03
1210	23.73	5.62	67	55	1.8	0.81
1215	23.64	5.6	68	54	1.6	0.74
1220	23.62	5.58	68	54	1.5	0.72

CCR CMA Only---Cobalt

Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CCMAP-1	80.21	6.22	13-23	11/3/2022	1449	26.39

Drawdown:

6.4

depth to GW (ft)

Time	Temp round 1	pH round 1	Eh ORP	Spec Cond round 1	Turbidity	Dissolved Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1429	25.09	6.91	-59	264	11.8	1.41
1434	24.76	6.96	-99	272	4.6	0.91
1439	24.37	6.99	-107	273	2.4	0.79
1444	24.23	7	-111	274	2.1	0.73
1449	24.25	7.01	-114	275	2	0.69
	,					

CCR CMA Only---Cobalt

Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CAP-10	95.68	21.24	43-63	10/26/2022	1258	65,81

Drawdown:

21.24

depth to GW (ft)

Time	Temp	pН	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1		Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1233	26.21	6.93	-131	353	0.5	1
1238	26.14	6,99	-139	357	0	0.91
1243	26.01	7.01	-141	363	1.3	0.79
1248	25.98	7	-125	377	0.3	0.73
1253	26.04	6.99	-117	381	0.3	0.71
1258	26.28	7 -	-115	382	0.8	0.69

Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CAP-9	91.59	14.56	15.5-30.5	10/26/2022	1405	32.42

Drawdown: 17.64 depth to GW (ft)

Time	Temp	рН	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1		Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1345	28.65	3.65	265	4230	_ 0	1.26
1350	27.81	3.57	304	4320	0	0.89
1355	27.5	3.62	295	4350	0.6	0.77
1400	27.4	3.61	298	4350	1.2	0.71
1405	27.33	3.62	296	4340	1.2	0.66
				1.7		

Comments/Conditions: Duplicate collected at 1410

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CAP-8	91.61	16.86	40.5-60.5	10/26/2022	1532	62.59

Drawdown: 16.

16.89

depth to GW (ft)

Time	Temp	pН	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1		Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1504	27.87	6.31	26	5680	18.4	0.97
1509	27.27	6.34	-4	5740	15.5	0.86
1514	26.94	6.37	-16	5760	23.1	0.76
1519	27.11	6.37	-21	5760	23.1	0.75
1524	27.02	6.39	-23	5780	15.7	0.7
1529	26.94	6.39	-25	5770	9.5	0.67
1532	26.87	6.39	-25	5770	8.3	0.66
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Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
(feet)	(feet)	(feet)	(ft, bgs)			Depth
CAP-7	91.64	15.46	15.5-30.5	10/27/2022	941	32.97

Drawdown:

15.62

depth to GW (ft)

Time	Temp	pН	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1		Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
916	24.83	4.89	145	9080	77.1	1.77
921	24.39	5.17	109	9150	38.5	1.03
926	24.39	5.29	92	9140	5.7	0.89
931	24.59	5.34	83	9320	1.5	0.83
936	24.79	5.36	78	9370	2.3	0.78
941	24.91	5.38	75	9390	1.8	0.72
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Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CAP-6	91.82	16.03	40.5-60.5	10/27/2022	1101	62.06

Drawdown: 16.05

depth to GW (ft)

Time	Temp	pН	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1		Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1027	23.7	6.85	-48	2390	0	2.63
1032	23.88	6.91	-25	2280	0	2.13
1037	23.89	6.74	-23	2340	1	1.85
1042	23.81	6.6	-88	2480	0	0.95
1047	23.82	6.61	-100	2500	0.5	0.75
1052	23.86	6.59	-106	2530	0	0.66
1055	23.89	6.58	-110	2660 -	0	0.65
1058	23.88	6.58	-111	2720	0	0.64
1101	23.92	6.58	-111	2740	0	0.65
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Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
Elevation (feet)	Depth	Intervals	Date	Time	Well	
	(feet)	(feet)	(ft, bgs)			Depth
CAP-5	91.78	15.56	15.5-30.5	10/27/2022	1215	32.62

Drawdown:

15.91

depth to GW (ft)

Time	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1147	26.06	3.65	308	1700	0	0.95
1152	25.78	3,62	319	1680	0.5	0.69
1157	25.73	3,64	307	1680	0	0.66
1202	25.69	3.71	284	1740	0	0.62
1207	25,64	3.76	275	1850	0	0.61
1212	25,6	3,77	272	1880	0	0.62
1215	25,53	3.77	270	1900	0	0.6

Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CAP-4	91.77	15.98	40.5-60.5	10/27/2022	1324	61.62

Drawdown: 15.99 depth to GW (ft)

Time	Temp	pН	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1		Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1253	25.37	6.35	67	4130	0	2.63
1258	24.86	6.73	56	4180	0.3	1.9
1303	24.75	6.77	76	4190	0	1.71
1308	24.69	6.7	95	4200	0	1.6
1313	24.58	6.4	-37	4300	0.5	0.96
1318	24.55	6.38	-55	4400	1.2	0.69
1321	24.49	6.38	-59	4480	1	0.66
1324	24.46	6.38	-61	4490	11	0.6
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		28		18	40 20	
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Comments/Conditions:

Samples were collected by Damien Johnson and Trey West

Well ID	TOC	GW Den th	Screen	Sample	Sample	Total
	Elevation (feet)	Depth (feet)	Intervals (ft, bgs)	Date	Time	Well Depth
CAP-3	91.49	15.48	15.5-30.5	10/27/2022	1446	30.94

Drawdown:

15.51

depth to GW (ft)

Time	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1403	26.88	5.41	286	400	2.2	2.94
1408	26.91	5.13	199	305	3.2	1.66
1413	26.79	5.5	104	345	2.2	0.89
1418	26.99	6.05	65	778	0.9	0.73
1423	26.39	6.17	57	965	0.6	0.67
1428	26,33	6.21	44	1190	0.5	0.64
1431	26,47	6.22	36	1360	1.3	0.62
1434	26.44	6.2	46	2430	0.4	0.59
1437	26.55	6.23	42	2950	0.4	0.59
1440	26.42	6.25	38	3120	0.5	0.59
1443	26.25	6.25	36	3170	0	0.59
1446	26.03	6.27	34	3200	0.7	0.58

NPDES/CCR: Al, As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, K, Li, Mg, Mo, Na, Pb, Sb, Se, Tl, Zn, dissolved As

Ra 226/228

Cl, F, SO4, TDS

CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228

Cl, F, SO4, TDS

Comments/Conditions:

Samples were collected by Damien Johnson and Trey West

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)	1,000-40014		Depth
CAP-1*	82.7	6.26	5'-19'	10/26/2022	1147	20.34

Drawdown:

6.65

depth to GW (ft)

Time	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1119	25.53	6.15	-7	590	20.4	1.2
1124	25.7	6.17	-31	584	13.5	0.92
1129	25.82	6.1	-31	638	14.2	0.83
1134	25.94	5.82	-3	813	12.2	0.78
1139	26	5.74	6	874	12.6	0.77
1144	26.08	5.71	9	898	13.1	0.76
1147	26,14	5.7	10	907	12.9	0.74

^{*} Original well, PM-3, was renamed CAP-1

NPDES/CCR: Al, As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, K, Li, Mg, Mo, Na, Pb, Sb, Se, Tl, Zn, dissolved As

Ra 226/228 Cl, F, SO4, TDS

CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

Cross Generating Station Background Groundwater Monitoring Wells

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time
CBW-1	85.80	10.42	14-24	10/25/2022	1034

Drawdown:

10.47

depth to GW (ft)

Time	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)
1000	24.34	4.4	206	183	1.7
1005	24.42	4,27	257	183	0
1010	24.38	4.31	263	188	0
1015	24.38	4.32	276	189	0
1020	24.33	4.31	286	190	0
1025	24.3	4.31	294	190	0
1028	24.3	4.31	298	190	0
1031	24.3	4.31	300	190	0

CCR/Class 3 Landfill: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Sb, Se, Tl, Zn, dissolved As

Ra 226/228 Nitrate, TOC Cl, F, SO4, TDS

CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

Field data was lost when file wouldn't open. Field data redone on 11/4

Well Ⅲ	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
PM-1	83.24	8.19	4-24	10/25/2022	927	26.34

Drawdown:

8.76

depth to GW (ft)

T ime	Temp round 1	pH round 1	Eh ORP	Spec Cond round 1		Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
902	24.75	4.96	79	169	26.3	1.91
907	24.68	5	59	133	22.1	1.17
912	24.88	5	57	123	6.1	0.97
917	24.97	4.99	55	121	0	0.86
922	24.97	5.01	52	121	0	0.82
927	24.97	5.01	50	121	0	0.78

NPDES/CCR/Class 2 Landfill: Al, As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, K, Li, Mg, Mo, Na, Pb, Sb, Se, Tl, Zn dissolved As Ra 226/228 Nitrate, TOC Cl, F, SO4, TDS

CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228

C1, F, SO4, TDS

Comments/Conditions:

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CCMAP-7	81.57	8.26	10'-20'	6/30/2022	1129	23.85

Drawdown: 8.42 depth to GW (ft)

Time	Temp	pН	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1		Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1109	21.55	5.67	110	121	1.6	0.75
1114	21.99	5.66	122	118	5.1	0.49
1119	21.93	5.71	121	119	3.1	0.43
1124	21.98	5.72	118	120	1.9	0.39
1129	21.93	5.66	116	118	1.2	0.36
	N. Control of the Con					

CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228

Cl, F, SO4, TDS

Comments/Conditions:

Samples were collected by Trey West and Marvin Lewis

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CCMAP-6	84.41	12.77	10'-20'	6/29/2022	1408	24.13

Drawdown: 12.91 depth to GW (ft)

Time	Temp	pН	Eh	Spec Cond	Turbidity	Dissolv ed
	round 1	round 1	ORP	round 1	1777 13	Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1343	23.29	4.81	211	188	2.7	0.7
1348	22.42	4.65	286	187	3.4	0.47
1353	22.28	4,63	297	187	9.5	0.42
1358	22.3	4.65	303	186	9.5	0.41
1403	22.18	4.67	310	186	8.9	0.41
1408	22.15	4,69	313	186	8,8	0.39
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CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

Samples were collected by Trey West and Marvin Lewis

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CCMAP-5	83.71	10.29	10'-20'	6/30/2022	1406	21.89

Drawdown: 10.33 depth to GW (ft)

Time	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1335	23.27	6.63	12	664	5.3	6.64
1340	22.42	6.44	15	675	6.3	5.78
1345	22	6.36	22	686	9.7	5.47
1350	22.48	6.36	20	696	13.5	4.92
1355	22.34	6,35	20	699	13.8	0.42
1400	21,83	6.37	19	698	13.4	0.37
1403	21.56	6.36	19	700	11.7	0.37
1406	21.3	6.36	19	702	9.6	0.36
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CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

Samples were collected by Trey West and Marv in Lewis

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CCMAP-4	81.83	8.52	8'-18'	6/30/2022	1240	21.13

Drawdown: 8.59 depth to GW (ft)

Time	Temp round 1	pH round 1	Eh ORP	Spec Cond round 1	Turbidity	Dissolved Oxygen
4	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1212	26.6	6,64	-28	546	5.7	1.46
1217	26.35	6.62	-53	566	6	0.71
1222	26.28	6.64	-58	563	6.4	0.54
1227	26.2	6.65	-59	545	7.3	0.45
1232	26.15	6.61	-58	532	11.7	0.45
1237	26,15	6.63	-60	519	8,6	0.41
1240	26,12	6.63	-60	514	7.9	0.42
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CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

Duplicate at 1245

Samples were collected by Trey West and Marv in Lewis

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)		A	Depth
CCMAP-3	81.91	8.99	24'-34'	6/30/2022	930	36.6

Drawdown:

9.02

depth to GW (ft)

Time	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
905	20.48	6.51	-26	5840	1.4	0.79
910	20.69	6.52	-47	5810	1.2	0.58
915	20.86	6.53	-52	5800	0.9	0.49
920	21.01	6.53	-52	5770	1.1	0.43
925	21.16	6,53	-52	5750	1.1	0.4
930	21.29	6,52	-52	5730	1	0.38

CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

Well ₪	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CCMAP-2	81.24	8.11	13-23	6/30/2022	1030	26.67

Drawdown:

8.15

depth to GW (ft)

Time	Temp round 1	pH round 1	Eh ORP	Spec Cond round 1	Turbidity	Dissolved Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1005	20.25	6.4	20	155	3.9	0.89
1010	20.56	6 19	78	96	1.3	0,62
1015	20.58	6.17	79	84	1	0.53
1020	20.29	6.13	81	80	1	0.47
1025	20.25	6,08	84	77	1.3	0.44
1030	20.14	6.11	83	75	1,4	0.42
1033	20.07	6,05	86	74	1.4	0.42
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CCR CMA Only---Cobalt

Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CCMAP-1	80.21	8.24	13-23	6/29/2022	1310	26.37

Drawdown:

8.47

depth to GW (ft)

Time	Temp round 1	pH round 1	Eh ORP	Spec Cond round 1	Turbidity	Dissolved Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1245		7.18	-107	335	0	0.77
1250	23.25	7.16	-123	340	0	0.53
1255	23.39	7.19	-130	340	2.5	0.41
1300	23.61	7.22	-134	340	1.2	0.39
1305	23.38	7.27	-141	339	0.7	0.36
1310	23.4	7.25	-141	339	0.3	0.34
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CCR CMA Only---Cobalt

Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CAP-10	95.68	22.78	43-63	6/22/2022	1445	65.2

Drawdown: 22.82 depth to GW (ft)

Time	Temp	рН	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1		Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1425	25.39	6.94	-69	452	0	1.05
1430	25.62	6.96	-84	450	0	0.59
1435	25.52	7	-92	448	0	0.41
1440	24.88	6.99	- 94	453	0	0.38
1445	24.24	6.93	-93	454	0	0.38
						17

Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CAP-9	91.59	18.19	15.5-30.5	6/22/2022	1540	32.44

Drawdown: 19.42 depth to GW (ft)

Time	Temp	pН	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1		Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1525	24.31	4.05	249	4410	0	1.78
1530	23.45	3.89	268	4510	0	0.58
1535	22.99	3.85	270	4530	1.1	0.62
1540	23.02	3.83	277	4530	3	0.67
	(A)					

Comments/Conditions: Duplicate collected at 1545

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CAP-8	91.61	18.77	40.5-60.5	6/23/2023	1005	62.67

Drawdown:

18.8

depth to GW (ft)

Time	Temp round 1	pH round 1	Eh ORP	Spec Cond round 1	Turbidity	Dissolved Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
937	22.27	6.47	15	6080	5.1	3.09
942	22.66	6.47	-12	6080	15.9	0.69
947	23.02	6.47	-15	6060	15.6	0.69
952	24.29	6.48	-16	6010	14.1	0.63
957	24.02	6.49	-18	5980	12.1	0.67
1002	23.71	6.48	-21	5980	3.5	0.62
1005	23.53	6.48	-22	6010	3.2	0.68
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Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)		4	Depth
CAP-7	91.64	18.14	15.5-30.5	6/23/2022	1116	32.95

Drawdown:

18.37

depth to GW (ft)

Time	Temp round 1	pH round 1	Eh ORP	Spec Cond round 1	Turbidity	Dissolv ed
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	Oxygen (ppm)
1048	24.09	5.56	27	8810	0	0.67
1053	25.67	5.54	28	9100	0	0.62
1058	25.4	5.54	34	8870	0.1	0.55
1103	25.17	5.55	36	8890	1	0.54
1108	25.15	5.54	38	8910	1.5	0.48
1113	25.1	5.54	41	8870	2.7	0.45
1116	25.42	5.54	41	8850	3.9	0.45
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Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CAP-6	91.82	18.59	40.5-60.5	6/23/2022	1215	62

Drawdown: 18.61

depth to GW (ft)

Time	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1150	29.26	7.06	-115	2250	1.5	3.45
1155	27.35	6.91	-57	2200	0.8	2.65
1200	26.44	6.63	-110	2400	7.4	0.62
1205	26.44	6.6	-121	2540	9	0.53
1210	26.51	6.61	-121	2600	9.3	0.53
1215	26.44	6.62	-120	2600	9.5	0.52

Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)		4	Depth
CAP-5	91.78	18.23	15.5-30.5	6/23/2022	1327	32.7

Drawdown:

18.5

depth to GW (ft)

Time	Temp round 1	pH round 1	Eh ORP	Spec Cond round 1 (uS/cm)		Dissolved Oxygen
1302	(celcius) 28.69	(units) 4.17	(mV) 232	1830	(NTU) 0	(ppm) 2.16
1307	29.04	4.17	234	1900	0	0.69
1312	29.27	4.04	254	1830	2.6	0.56
1317	28.71	4.01	257	1840	6.2	0.48
1322	28.55	4	257	1840	7.9	0.45
1327	28,39	3.99	256	1850	8.4	0.45
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Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
2	(feet)	(feet)	(ft, bgs)			Depth
CAP-4	91.77	17.73	40.5-60.5	6/23/2022	1449	61.6

Drawdown:

17.71

depth to GW (ft)

Time	Temp round 1	pH round 1	Eh ORP	Spec Cond round 1	Turbidity	Dissolved Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1418	30.89	6.89	-50	3690	1.9	2.7
1423	29.02	6.42	-69	4130	18.4	0.58
1428	28.85	6.43	-73	4180	19.9	0.51
1433	28.98	6.45	-77	4190	17.4	0.49
1438	28.98	6.47	-79	4170	17.2	0.53
1443	28.84	6.48	-79	4160	14.8	0.53
1446	29.01	6.49	-79	4160	15	0.52
1449	29.02	6.49	-80	4150	14.9	0.5
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Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)		A second	Depth
CAP-3	91.49	17.12	15.5-30.5	6/23/2022	1608	30.92

Drawdown: 17.14

depth to GW (ft)

Temp round 1	pH round 1	Eh ORP	Spec Cond round 1	Turbidity	Dissolved Oxygen
(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
28.79	5.89	122	767	2.4	0.72
27.13	5.96	142	1110	4.8	0.54
26.7	6	132	1170 -	1.5	0.62
26.77	6.09	58	2580	2.4	0.39
26.41	6.13	38	2990	2.8	0.51
26,91	6,16	32	3040	1,1	0.49
27	6,17	31	3070	1,6	0.46
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	round 1 (celcius) 28.79 27.13 26.7 26.77 26.41 26.91	round 1 (celcius) (units) 28.79 5.89 27.13 5.96 26.7 6 26.77 6.09 26.41 6.13 26.91 6.16	round 1 round 1 ORP (celcius) (units) (mV) 28.79 5.89 122 27.13 5.96 142 26.7 6 132 26.77 6.09 58 26.41 6.13 38 26.91 6.16 32	round 1 round 1 ORP (mV) round 1 (celcius) (units) (mV) (uS/cm) 28.79 5.89 122 767 27.13 5.96 142 1110 26.7 6 132 1170 26.77 6.09 58 2580 26.41 6.13 38 2990 26.91 6.16 32 3040	round 1 round 1 ORP (mV) round 1 (uS/cm) (NTU) 28.79 5.89 122 767 2.4 27.13 5.96 142 1110 4.8 26.7 6 132 1170 1.5 26.77 6.09 58 2580 2.4 26.41 6.13 38 2990 2.8 26.91 6.16 32 3040 1.1

NPDES/CCR: Al, As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, K, Li, Mg, Mo, Na, Pb, Sb, Se, Tl, Zn, dissolved As

Ra 226/228

Cl, F, SO4, TDS

CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228

Cl, F, SO4, TDS

Comments/Conditions:

ſ	Well ID	TOC	GW	Screen	Sample	Sample	Total
ı		Elevation	Depth	Intervals	Date	Time	Well
L		(feet)	(feet)	(ft, bgs)			Depth
Ī	CAP-1*	82.7	7.83	5'-19'	6/22/2022	1253	20.45

Drawdown: 8.47 depth to GW (ft)

Time	Temp	pН	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1	, and the second	Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1225	23.88	5.26	45	1620	77.3	2.54
1230	24.39	5.2	35	1620	28.2	1.36
1235	24.28	5.07	38	1630	12.4	1.16
1240	24.35	5	38	1640	12.4	1.29
1245	24.69	4.9	45	1690	10.3	1.53
1250	24.51	4.83	49	1700	9.2	1.56
1253	24.59	4.8	50	1720	9.1	1.65
	= 150					- 1

^{*} Original well, PM-3, was renamed CAP-1

NPDES/CCR: Al, As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, K, Li, Mg, Mo, Na, Pb, Sb, Se, Tl, Zn, dissolved As

Ra 226/228 C1, F, SO4, TDS

CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

Cross Generating Station Background Groundwater Monitoring Wells

Well Ⅲ	TOC	GW	Screen	Sample	Sample
76. CONV. CO. 7	Elevation	Depth	Intervals	Date	Time
	(feet)	(feet)	(ft, bgs)		
CBW-1	85.80	11.6	14-24	6/20/2022	1416

Drawdown:

11.62

depth to GW (ft)

Time	Temp round 1	pH round 1	Eh ORP	Spec Cond round 1	Turbidity
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)
1351	24	4.45	235	1	97.2
1356	24.27	4.45	235	1	97
1401	24.69	4.32	226	1	91
1406	25,14	4.32	239	1	91.6
1411	25,61	4.39	241	ì	90.3
1416	26.04	4.45	242	1	90.3
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CCR/Class 3 Landfill: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Sb, Se, Tl, Zn, dissolved As

Ra 226/228 Nitrate, TOC Cl, F, SO4, TDS

CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
PM-1	(feet) 83.24	(feet) 9	(ft, bgs) 4-24	6/20/2022	1531	Depth 26.29

Drawdown:

9.43

depth to GW (ft)

T ime	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1500	30.15	5	-34	90	0	4.3
1505	29.23	4.89	-54	87	0	3.1
1510	28.93	4.87	-55	87	0	2.69
1515	28.56	4.84	-54	87	0	2.3
152 <mark>0</mark>	28,34	4,82	-53	88	0	2.1
1525	28,12	4,83	-54	87	0	1.82
1528	27,99	4.83	-54	88	0	1.71
1531	27.87	4.84	-54	88	0	1.6
4"			ä.			
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9		100				

NPDES/C CR/Class 2 Landfill: Al, As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, K, Li, Mg, Mo, Na, Pb, Sb, Se, Tl, Zn dissolved As Ra 226/228 Nitrate, TOC Cl, F, SO4, TDS

CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228 C1, F, SO4, TDS

Comments/Conditions:

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CCMAP-6	84.41	8.24	10'-20'	4/13/2022	1448	24.15
	0.0		1 11 1 0171	/ON		

Drawdown:

8.3

depth to GW (ft)

Time	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1341	23.52	4.59	170	170	44.7	1.25
1346	23.16	4.67	180	167	19.2	1.05
1351	23.01	4.7	190	167	10.1	0.89
1356	23.84	4.68	200	162	4.8	0.94
1401	24.29	4.7	209	162	3.9	0.89
1406	23.5	4.7	221	162	1.5	0.86
1409	23.85	4.7	225	161	0.7	0.8
1412	24,66	4.7	230	160	0	0.81
1415	24.3	4.68	238	163	1.3	0.86
1418	22.87	4.68	243	161	0.5	0.85
1421	22.56	4.67	249	160	0	0,79
1424	22.37	4.67	256	160	0	0.78
1427	22.26	4.66	262	159	0	0.77
1430	22,09	4.67	266	159	0.9	0,77
1433	22.86	4.67	27.1	158	0	0.75
1436	23.57	4.68	273	158	0	0.75
1439	23.75	4.7	275	159	0	0.78
1442	23.92	4.73	275	159	0.4	0.79
1445	23.95	4.73	276	159	0	0.79
1448	23.86	4.71	279	160	0	0.79

CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As
Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CCMAP-7	81.57	7.71	10'-20'	2/8/2022	1235	23.84

Drawdown:

7.9

depth to GW (ft)

Time	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1155	19.12	6.67	11	210	75.8	2.9
1200	18.91	6.17	113	138	14.1	2.3
1205	19.05	6.01	148	126	0	1.7
1210	19.04	5.95	147	121	0	1.4
1215	19.04	5.9	145	118	0	1.19
1220	19	5,86	140	115	0	1.02
1223	19.03	5.85	142	115	0	1.31
1226	19.08	5.82	144	112	0	1.19
1229	19.04	5.81	147	110	0	1.07
1232	18.95	5.81	149	111	0	0.99
1235	18.92	5.8	149	110	0	0.94

CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CCMAP-6	84.41	8.95	10'-20'	2/9/2022	1017	24.17

Draw down: 9.04 depth to GW (ft)

Time	Temp	pН	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1		Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
952	17.31	4.79	281	181	436	1.38
957	16.3	4.77	307	180	167	0.97
1002	15.82	4.73	320	179	60.4	0.95
1007	15.98	4.71	327	179	26.8	0.85
1012	16,09	4,69	334	179	8.7	0.78
1017	16,45	4,68	337	179	12.4	0.73
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CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CCMAP-5	83.71	7.66	10'-20'	2/10/2022	1540	21.97

Draw down: 7.68 depth to GW (ft)

Time	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1512	22.83	6.82	68	631	22.2	4.42
1517	21.4	6.75	77	640	26.9	0.77
1522	21.24	6.69	74	654	41.9	0.65
1527	21.09	6.58	35	675	59.3	0.5
1532	21,21	6.51	23	691	35.6	0.45
1537	21,07	6.51	16	688	29.6	0.43
1540	20,98	6,51	15	688	25.2	0.42
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CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CCMAP-4	81.83	6.11	8'-18'	2/10/2022	1428	21.15

Draw down: 6.29 depth to GW (ft)

Time	Temp round 1	pH round 1	Eh ORP	Spec Cond round 1	Turbidity	Dissolved Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1357	21.27	6.64	71	653	6.6	2.94
1402	20.71	6.59	-30	623	1.6	+ 1
1407	20.76	6.56	-34	602	0	0.8
1412	20.71	6.52	-38	597	0	0.66
1417	20,76	6.53	-39	579	0	0.59
1422	20.75	6,53	-40	571	0	0.53
1425	20,83	6.54	-43	564	0	0.49
14 <mark>2</mark> 8	20.86	6.53	-43	560	0	0.47
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CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

Duplicate at 1433

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CCMAP-3	81.91	7.15	24'-34'	2/9/2022	1125	36.72

Drawdown:

7.16

depth to GW (ft)

Time	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1057	17.48	6.33	60	5990	34.8	1.09
1102	18.57	6.46	-20	5810	54.7	0.54
1107	18.93	6.48	-29	5780	45.9	0.45
1112	19.15	6.49	-33	5760	24.3	0.41
1117	19.2	6.5	-35	5730	16.6	0.4
1122	19.36	6.52	-36	5710	14.4	0.38
1125	19.38	6.54	-37	5700	11	0.37

CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)		4	Depth
CCMAP-2	81.24	7.51	13-23	2/9/2022	1336	26.71

Drawdown:

7.79

depth to GW (ft)

Time	Temp	pH	Eh	Spec Cond	Turbidity	
	round 1	round 1	ORP	round 1		Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1308	19.8	5.8	151	43	30.2	1.84
1313	19.53	5.46	231	41	27.6	1.53
1318	19.52	5.44	239	41	21.6	1.45
1323	19.58	5.45	233	41	12.3	1.27
1328	19.69	5.43	229	41	10.1	1.17
1333	19.72	5,43	226	41	5,6	1.09
1336	19.82	5,42	223	41	4	1.01
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CCR CMA Only---Cobalt

Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Tota1
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CCMAP-1	80.21	5.09	13-23	2/10/2022	952	26.32

Drawdown:

5.25

depth to GW (ft)

Time	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
912	17.86	7.15	183	288	0	1.15
917	17.24	7.2	174	280	0	0.89
922	16.58	7.18	143	283	0	0.74
927	16.49	7.17	101	290	0	0.67
932	16.57	7.13	34	294	0	0.59
937	16.5	7.13	-7	292	0	0.54
940	16.46	7.2	-29	289	0	0.54
943	16.3	7.2	44	288	0	0.55
946	16.18	7.19	-52	290	0	0.55
949	16.07	7.18	-56	291	0	0.55
952	15.97	7.17	-58	293	0	0.53
		3 ×				

CCR CMA Only--Cobalt

Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CAP-10	95.68	21.17	43-63	2/8/2022	1405	65.43

Drawdown: 21.17 depth to GW (ft)

Time	Temp round 1	pH round 1	Eh ORP	Spec Cond round 1	Turbidity	Dissolved Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1345	21.08	6.63	-17	671	2.7	1.87
1350	21.34	7.1	-95	706	51.1	0.68
1355	21.33	7.13	-106	703	6.1	0.6
1400	21.3	7.14	-110	700	4.4	0.56
1405	21.36	7.14	-112	698	2.3	0.54
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Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation (feet)	Depth (feet)	Intervals (ft, bgs)	Date	Time	Well Depth
CAP-9	91.59	14.46	15.5-30.5	2/8/2022	1303	32.49

Drawdown: 18.27 depth to GW (ft)

Time	Temp round 1	pH round 1	Eh ORP	Spec Cond round 1	Turbidity	A STATE OF THE STA
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	Oxygen (ppm)
1226	20.82	3.7	313	4440	3.6	0.69
1231	19.72	3,72	316	4390	4.2	0.75
1236	20.71	3.58	320	4410	0	0.54
1241	21.22	3.77	279	4490	2.8	0.4
1246	21.34	3,79	271	4490	3,2	0.36
1251	21,44	3.67	296	4460	4.7	0.34
1254	21.44	3.66	296	4450	5,4	0.33
1257	21.42	3.62	304	4430	20	0.32
1300	21.52	3.6	309	4430	7.3	0.32
1303	21.59	3.61	309	4420	6.5	0.32
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Comments/Conditions: Duplicate collected at 1308

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CAP-8	91.61	16.89	40.5-60.5	2/8/2022	1153	62.91

Drawdown: 16.93 depth to GW (ft)

Time	Temp	рН	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1		Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1138	20.7	6.41	0	5900	6.8	0.71
1143	20.85	6.45	-19	5890	8.7	0.55
1148	20.8	6.46	-22	5900	9.6	0.53
1153	20.98	6.47	-25	5880	7.2	0.49

Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)	4.500		Depth
CAP-7	91.64	15.54	15.5-30.5	2/3/2022	1430	33.02

Drawdown:

15.59

depth to GW (ft)

Time	Temp	pН	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1		Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1405	22.86	5.58	37	8790	41.3	2.32
1410	22.99	5.54	40	8780	12.4	0,61
1415	22.95	5.56	35	8910	5.3	0.39
1420	22,93	5.58	31	8920	21.8	0.35
1425	22.95	5.59	30	8920	1,1	0.34
1430	22.93	5,61	29	8960	0.9	0.34

Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CAP-6	91.82	16.53	40.5-60.5	2/3/2022	1316	62.1

Drawdown:

16.56

depth to GW (ft)

Time	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1245	23.02	6.58	-79	2330	0	0.98
1250	23.07	6.75	-100	2390	0	0.69
1255	23.05	6.74	-100	2560	0	0.54
1300	23.08	6.72	-99	2810	0.	0.44
1305	23.08	6.72	-100	2830	0	0.43
1310	23.01	6.73	-100	2830	10.1	0.4
1313	23.02	6.73	-100	2840	0	0.39
1316	23.06	6.73	-100	2840	0	0.38
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Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)		4	Depth
CAP-5	91.78	16.35	15.5-30.5	2/3/2022	1210	32.71

Drawdown:

16.61

depth to GW (ft)

Time	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1145	23.02	4.3	233	202	1.1	0.67
1150	22.94	4.09	264	200	0	0.53
1155	22.92	4.01	270	199	0	0.44
1200	22.89	3.96	273	199	0	0.38
1205	22.96	3.95	273	199	0	0.36
1210	22.92	3.96	273	199	0	0.34

Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Inte rv als	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CAP-4	91.77	16.56	40.5-60.5	2/3/2022	10.38	61.56

Drawdown:

16.55

depth to GW (ft)

T ime	Temp round 1	pH round 1	Eh ORP	Spec Cond round 1	Turbidity	Dissolved Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
940	21.48	6.63	3	431	23.6	0.84
945	21.77	6.6	-74	446	35.7	0.55
950	21.87	6,6	-77	449	36.1	0,59
955	21.92	6.61	-77	449	30.2	0.53
1000	22	6.61	-77	448	15.4	0.47
1005	22.09	6.6	-77	449	13.6	0.45
1008	22.16	6.6	-77	450	16.8	0.42
1011	22.23	6.6	-78	449	14.4	0.4
1014	22.26	6.6	-77	448	15.2	0.39
1017	22.3	6.6	-77	448	13.6	0.38
1020	22.32	6.61	-77	448	11.5	0.38
1023	22.39	6.61	-78	449	11.7	0.37
1026	22.45	6.63	-79	448	12.3	0.36
1029	22.52	6.64	-79	447	10.2	0.35
1032	22.54	6,64	-79	448	11.8	0.36
1035	22.59	6.64	-79	447	11.4	0.35
1038	22.64	6.64	-79	446	8.3	0.34

Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CAP-3	91.49	15.89	15.5-30.5	2/7/2022	1602	30.9

Drawdown: 15.9 depth to GW (ft)

Time	Temp	рН	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1		Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1547	20.56	6.35	22	3740	28.4	0.62
1552	19.99	6.33	38	3870	15.6	0.54
1557	20.16	6.34	36	3840	14.5	0.51
1602	20.53	6.38	31	3820	14.3	0.47
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NPDES/CCR: Al, As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, K, Li, Mg, Mo, Na, Pb, Sb, Se, Tl, Zn, dissolved As

Ra 226/228 C1, F, SO4, TDS

CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation (feet)	Depth (feet)	Intervals (ft, bgs)	Date	Time	Well Depth
CAP-1*	82.7	8.06	5'-19'	2/7/2022	951	21.68

Drawdown:

8.59

depth to GW (ft)

Time	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
908	18.07	4.9	106	1720	1 64	0.94
913	16.91	4.88	112	1670	95	0.56
918	16.49	4.83	112	1700	75.1	0.49
923	16.05	4.78	107	1.820	84.7	0.45
928	15.82	4.78	89	1930	72.1	0.42
933	15.61	4.86	74	1990	67.9	0.42
936	15.5	4.88	66	2000	58	0.41
939	15.38	4.89	60	2030	64.2	0,4
942	15.31	4.91	54	2050	68.1	0.6
945	15.16	4.9	51	2050	65.2	0.39
948	15.25	4.89	48	2050	61.2	0.39
951	15.34	4.87	47	2080	57.7	0.39
*						
*						

^{*} Original well, PM-3, was renamed CAP-1

NPDES/CCR: Al, As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, K, Li, Mg, Mo, Na, Pb, Sb, Se, Tl, Zn, dissolved As

Ra 226/228 Cl, F, SO4, TDS

CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

Cross Generating Station Background Groundwater Monitoring Wells

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time
CBW-1	85.80	10.21	14-24	1/24/2022	954

Drawdown:

10.25

depth to GW (ft)

Time	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)
917	19.79	4.52	207	222	16.3
922	18.92	4,44	228	213	2.7
927	18.13	4.29	233	216	2.9
932	17.63	4.27	243	215	3.9
937	17.09	4.31	236	220	4.4
942	17.88	4.29	240	222	23.8
945	18.08	4.24	245	222	25.1
948	18.44	4.26	246	223	22.2
951	18.55	4.26	248	222	21
954	18.63	4.26	249	222	21.4

CCR/Class 3 Landfill: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Sb, Se, Tl, Zn, dissolved As

Ra 226/228 Nitrate, TOC Cl, F, SO4, TDS

CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

Well ₪	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)		9	Depth
PM-1	83.24	8.32	4-24	1/24/2021	1140	26.68

Drawdown:

8.72

depth to GW (ft)

Time	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1051	18.23	5.27	27	162	48.1	1.68
1056	18.82	5.09	11	149	20.9	0.67
1101	18.81	5,06	16	148	20.7	0.69
1106	19.07	5.11	29	148	17	0.71
1111	19.28	5,18	39	145	22.9	0.67
1116	19.16	5,18	45	147	18.2	0.64
1119	19.41	5.21	39	149	20.7	0.63
1122	19.52	5.24	35	146	17.2	0.61
1125	19.4	5.22	42	146	18	0.6
1128	19.55	5.21	41	147	20.9	0.56
1131	19.61	5.23	40	145	12.6	0.54
1134	19.55	5.25	40	146	16	0.54
1137	19.6	5.25	41	147	14.8	0.52
1140	19.48	5.19	45	146	13.8	0.53

NPDES/CCR/Class 2 Landfill: Al, As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, K, Li, Mg, Mo, Na, Pb, Sb, Se, Tl, Zn dissolved As Ra 226/228 Nitrate, TOC C1, F, SO4, TDS

CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As C1, F, SO4, TDS

Ra 226/228

Comments/Conditions:

Appendix C – Well Installation Record



Save

Water Well Record Bureau of Water

PROMOTE PROTECT PROSPER			, ,
1. WELL OWNER INFORMATION: Name: SANTEE COOPER			7. PERMIT NUMBER:
(last)	(firs	st)	8. USE:
Address: ONE RIVERWOOD DRIVE			8. USE: ☐ Residential ☐ Public Supply ☐ Process
	المهورين المهورين		☐ Irrigation ☐ Air Conditioning ☐ Emergency
City: MONCKS CORNER State: SC	City: MONCKS CORNER State: SC Zip: 29461		☐ Test Well ☐ Monitor Well ☐ Replacement
•	Home:		9. WELL DEPTH (completed) Date Started: 09/16/22
2. LOCATION OF WELL: SC CO	UNTY: BERK	ŒLEY	0.0 ft. Date Completed: 09/16/22
Name: CROSS GENERATING STA	ATION		10. CASING: ☑ Threaded ☑ Welded
Street Address: 553 CROSS STAT	TION ROAD)	Diam.: 2 INCH Height: Above Below □
	^{Zip:} 29468	,	Type: ☑ PVC □ Galvanized Surface <u>2.5</u> ft.
111121122	23400		Steel Other Weight lb./ft.
Latitude: 33° 23' 10.94" Longitude:	: 80° 06' 56	.66"	in. toft. depth
3. PUBLIC SYSTEM NAME: PU	BLIC SYSTE	M NIIMBER:	11. SCREEN:
CC-MAP-8	DEIO O IOTE	W NOWBER.	Type: SCH 40 PVC Diam.: 2 INCH
	NIS		Slot/Gauge:010 Length:10.0 FEET
4. ABANDONMENT: Yes	INO		Set Between: 10.0 ft. and 20.0 ft. NOTE: MULTIPLE SCREENS
0-1-10-11-1			ft. and ft. USE SECOND SHEET
Grouted Depth: fromf			Sieve Analysis ☐ Yes (please enclose) ☐ No
Formation December	*Thickness		12. STATIC WATER LEVEL 10.0 ft. below land surface after 24 hours
Formation Description	o f Stratum	Bottom of Stratum	13. PUMPING LEVEL Below Land Surface.
TODGOU	C. Astronomic metallic at the	W ASSESSMENT OF	ft. after hrs. Pumping G.P.M.
TOPSOIL	1.0	1.0	Pumping Test: ☐ Yes (please enclose) ☐ No
TANIGHTY CLAY		10.0	Yield:
TAN SILTY CLAY	9.0	10.0	14. WATER QUALITY
DD OMAL CH TV CAARS	40.5	20.0	Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
BROWN SILTY SAND	10.0	20.0	Please enclose lab results.
			15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
			Installed from 8.0 # 165 Line 20.0 #
			Installed from 8.0 ft. to 20.0 ft. Effective size 1.43 Uniformity Coefficient 1.30
			16. WELL GROUTED? ☑ Yes ☐ No ☑ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other
			Depth: From 0.0 ft. to 6.0 ft.
			17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft direction
			17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: π direction Type
			Well Disinfected Yes No Type: Amount:
			18. PUMP: Date installed: Not installed Mfr. Name: Model No.:
			H.P Volts Length of drop pipe ft. Capacity gpm
			TYPE: Submersible Jet (shallow) Turbine
			☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal
			19. WELL DRILLER: CARL CARPENTER CERT. NO.: 02317
			Address: (Print) Level: A B C D (circle one)
			176 COMMERCE BLVD
			STATESVILLE, NC 28625
*Indicate Water Bearing Zones			Telephone No.; 704-872-7686 Fax No.: 704-872-0248
-			20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under
(Use a 2nd sheet if needed)			my direction and this report is true to the best of my knowledge and belief.
5. REMARKS:			
BENTONITE SEAL 6.0 - 8.0 FEET			1 PAS
			Signed:
			Signed: Date: Date:
A TYPE: EM 15 1			protection indicates
6. TYPE: Mud Rotary Jetted		Bored	If D Level Driller, provide supervising driller's name:
□ Dug □ Air Rot: □ Cable tool □ Other	a film management	Driven	
Cable tool Circle	, TO OLIV		
HEC 1003 (07/2003)	VARAU TO: S	O DEDARTME	NT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)



Water Well Record Bureau of Water

1. WELL OWNER INFORMATION: Name: Santee Cooper			7. PERMIT NUMBER: SC0037401
(last)	(firs	t)	8. USE:
Address: 1 Riverwood Dr			☐ Residential ☐ Public Supply ☐ Process
City: Moncks Corner State: SC	Zip:		☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☐ Monitor Well ☐ Replacement
Telephone: Work:	Home:		9. WELL DEPTH (completed) Date Started: 11/28/22
2. LOCATION OF WELL: CO	OUNTY: Berke	eley	<u>20'</u> ft. Date Completed: 11/29/22
Name: Cross Generating Station		•	10. CASING: ☐ Threaded ☐ Welded
Street Address: Cross Sta Rd			Diam.: 2" Height: Above/Below
City: Pineville	Zip:		Type: PVC Galvanized Surfaceft.
Latitude: Longitude	:		in. toft. depth
3. PUBLIC SYSTEM NAME: PU		M NUMBER:	11. SCREEN:
03360	5 		Type: $\frac{\text{PVC}}{\text{Slot/Gauge: } 0.010"}$ Diam.: $\frac{2"}{10'}$ Set Between: $\frac{10'}{}$ ft. and $\frac{20'}{}$ ft. NOTE: MULTIPLE SCREENS
4. ABANDONMENT: ☐ Yes ☑	No		Set Between: 10' ft. and 20' ft. NOTE: MULTIPLE SCREENS
Give Details Below			ft. and ft. USE SECOND SHEET
Grouted Depth: from f			Sieve Analysis ☐ Yes (please enclose) ☑ No
Formation Description	*Thickness of	Depth to Bottom of	12. STATIC WATER LEVEL ft. below land surface after 24 hours
Formation Description	Stratum	Stratum	13. PUMPING LEVEL Below Land Surface.
see Geologist Logs	930 8/04/05/05/05/05/05/05/05/05/05	200 A 100 A	ft. after hrs. Pumping G.P.M.
see deologist Logs			Pumping Test: ☐ Yes (please enclose) ☑ No
			Yield:
			14. WATER QUALITY
			Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No Please enclose lab results.
			15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
			Installed from $8'$ ft. to $20'$ ft. Effective size $\#2$ Uniformity Coefficient
			16. WELL GROUTED? ☑ Yes ☐ No ☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other
			Depth: From 0' ft. to 8' ft.
			17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft. direction
			Type
			Well Disinfected ☐ Yes ☑ No Type: Amount:
			18. PUMP: Date installed: Not installed 🗸
			Mfr. Name: Model No.:
			H.P Volts Length of drop pipe ft. Capacity gpm
			TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal
			19. WELL DRILLER: William Walker CERT. No.: 2042 Address: (Print) Level: A B C D (circle one)
			PO Box 8446
			Columbia SC 29202
*Indicate Water Bearing Zones			Telephone No.: 803-351-/936 Fax No.:
(Use a 2nd sheet if needed)			20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.
5. REMARKS:			, and and topost to the boot of my Midmodge and bonon
CGS PZ-1			
CGS 1 Z-1			Signed: Date: 12/29/22
			Signed: Date: Date:
6. TYPE: ☐ Mud Rotary ☐ Jetted		3ored	ALANCAS VININIANA
Dug ☐ Air Rot		oriven	If D Level Driller, provide supervising driller's name:
☐ Cable tool ☐ Other	, – .		



Water Well Record Bureau of Water

1. WELL OWNER INFORMATION:			7. PERMIT NUMBER: SC0037401
Name: Santee Cooper		Tak C	300037401
(last)	(firs	st)	8. USE:
Address: 1 Riverwood Dr			☐ Residential ☐ Public Supply ☐ Process
City: Moncks Corner State: SC	Zip:		☐ Irrigation ☐ Air Conditioning ☐ Emergency
on, woners comer ones se	p.		☐ Test Well ☑ Monitor Well ☐ Replacement
	Home:		9. WELL DEPTH (completed) Date Started: 11/28/22
2. LOCATION OF WELL: CO	OUNTY: Berk	eley	20' ft. Date Completed: 11/29/22
Name: Cross Generating Station			10. CASING: ☐ Threaded ☐ Welded
Street Address: Cross Sta Rd			Diam.: 2" Height: Above/Below
^{City:} Pineville	Zip:		Type: PVC Galvanized Surfaceft.
Latitude: Longitude	:		in. toft. depth
3. PUBLIC SYSTEM NAME: PU	BLIC SYSTE	M NUMBER:	11. SCREEN:
0336			Type: PVC Diam.: 2" Slot/Gauge: 0.010" Length: 10' Set Between: 10' ft. and 20' ft. NOTE: MULTIPLE SCREENS
4. ABANDONMENT: ☐ Yes ☑	No		Slot/Gauge: $\frac{0.010"}{10!}$ Length: $\frac{10"}{10!}$
Give Details Below	110		Set Between: 10 ft. NOTE: MULTIPLE SCREENS
Grouted Depth: from f	t to	ff	ft. USE SECOND SHEET
	*Thickness		Sieve Analysis Yes (please enclose) No
Formation Description	of	Bottom of	12. STATIC WATER LEVEL ft. below land surface after 24 hours
	Stratum	Stratum	13. PUMPING LEVEL Below Land Surface ft. after hrs. Pumping G.P.M.
see Geologist Logs			Pumping Test: Yes (please enclose) No
			Yield:
			14. WATER QUALITY
			Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
			Please enclose lab results.
			15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
			Installed from $8'$ ft. to $20'$ ft.
			Effective size # 2 Uniformity Coefficient
			16. WELL GROUTED? ☑ Yes ☐ No
			□ Neat Cement □ Bentonite ☑ Bentonite/Cement □ Other
			Depth: From 0' ft. to 8' ft.
			17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft direction Type
			Well Disinfected ☐ Yes ☐ No Type: Amount:
			18. PUMP: Date installed: Not installed ☑
			Mfr. Name: Model No.:
			H.P Volts Length of drop pipe ft. Capacity gpm
			TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine
			☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal
			19. WELL DRILLER: William Walker CERT. NO.: 2042
			Address: (Print) Level: A B C D (circle one)
			PO Box 8446
*Indicate Water Bearing Zones			Columbia, SC, 29202 Telephone No.: 803-351-7936 Fax No.:
(Hee a 2nd about it			20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under
(Use a 2nd sheet if needed)			my direction and this report is true to the best of my knowledge and belief.
5. REMARKS:			
CGS PZ-2			
			Signed: Date: 12/29/22
			Well Driller
6. TYPE: ☐ Mud Rotary ☐ Jetted		Bored	If D Level Driller, provide supervising driller's name:
☐ Dug ☐ Air Rot	tary 🗆	Driven	
☐ Cable tool ☐ Other			



Water Well Record Bureau of Water

1. WELL OWNER INFORMATION:			7. PERMIT NUMBER: SC0037401
Name: Santee Cooper			300037401
(last)	(firs	st)	8. USE:
Address: 1 Riverwood Dr			☐ Residential ☐ Public Supply ☐ Process
City: Moncks Corner State: SC	Zip:		☐ Irrigation ☐ Air Conditioning ☐ Emergency
ony wioners comer out se	_ .p.		☐ Test Well ☑ Monitor Well ☐ Replacement
	Home:		9. WELL DEPTH (completed) Date Started: 11/28/22
2. LOCATION OF WELL: CO	OUNTY: Berke	eley	20' ft. Date Completed: 11/29/22
Name: Cross Generating Station			10. CASING: ☐ Threaded ☐ Welded
Street Address: Cross Sta Rd			Diam.: 2" Height: Above/Below
^{City:} Pineville	Zip:		Type: PVC Galvanized Surfaceft.
Latitude: Longitude			in. toft. depth
3. PUBLIC SYSTEM NAME: PU	BLIC SYSTE	M NUMBER:	11. SCREEN:
03360			Type: PVC Diam.: 2" Slot/Gauge: 0.010" Length: 10' Set Between: 10' ft. and 20' ft. NOTE: MULTIPLE SCREENS
4. ABANDONMENT: ☐ Yes ☑	No		Slot/Gauge: $\frac{0.010"}{10!}$ Length: $\frac{10"}{10!}$
Give Details Below	110		Set Between: 10 ft. NOTE: MULTIPLE SCREENS
Grouted Depth: from f	t to	ff	ft. USE SECOND SHEET
	*Thickness		Sieve Analysis Yes (please enclose) No
Formation Description	of	Bottom of	12. STATIC WATER LEVEL ft. below land surface after 24 hours
	Stratum	Stratum	13. PUMPING LEVEL Below Land Surface ft. after hrs. Pumping G.P.M.
see Geologist Logs			Pumping Test: Yes (please enclose) No
			Yield:
			14. WATER QUALITY
			Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
			Please enclose lab results.
			15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
			Installed from $8'$ ft. to $20'$ ft.
			Effective size # 2 Uniformity Coefficient
			16. WELL GROUTED? ☑ Yes ☐ No
			□ Neat Cement □ Bentonite ☑ Bentonite/Cement □ Other
			Depth: From <u>0'</u> ft. to <u>8'</u> ft.
			17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft direction Type
			Well Disinfected ☐ Yes ☑ No Type: Amount:
			18. PUMP: Date installed: Not installed ☑
			Mfr. Name: Model No.:
			H.P Volts Length of drop pipe ft. Capacity gpm
			TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine
			☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal
			19. WELL DRILLER: William Walker CERT. NO.: 2042
			Address: (Print) Level: A B C D (circle one)
			PO Box 8446
*Indicate Water Bearing Zones			Columbia, SC, 29202 Telephone No.: 803-351-7936 Fax No.:
41			20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under
(Use a 2nd sheet if needed)			my direction and this report is true to the best of my knowledge and belief.
5. REMARKS:			
CGS PZ-3			
			Signed: Date: 12/29/22
			Well Driller
6. TYPE: ☐ Mud Rotary ☐ Jetted		Bored	If D Level Driller, provide supervising driller's name:
☐ Dug ☐ Air Rot	ary 🗆 ı	Driven	
☐ Cable tool ☐ Other			