2022 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT CLOSED GYPSUM 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 Closed Gypsum 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).

The Closed Gypsum Pond was closed under state regulations; however, it was an active CCR impoundment for a brief period time after the effective date of the CCR Rule and therefore, it is regulated under the CCR Rule. As background, Santee Cooper filed a Notice of Intent with the South Carolina Department of Health and Environmental Control (SCDHEC) on March 10, 2016, to initiate closure of the Gypsum Pond, a permitted industrial wastewater pond. The SCDHEC-approved closure plan met the requirements of § 257.102(b) and as of October 17, 2016, Santee Cooper had removed all CCR material from the Gypsum Pond. On March 22, 2017, SCDHEC formally certified state closure requirements had been met.

In accordance with § 257.90(e)(6), an overview of the 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), Santee Cooper was operating under a Detection Monitoring program in accordance with § 257.94.

The statistical analysis of the January 2022 detection monitoring event data determined statistically significant increases (SSIs) of boron, calcium, chloride, sulfate, and total dissolved solids in monitoring wells CGYP-1, CGYP-2, CGYP-3, CGYP-4, and CGYP-6; fluoride in monitoring wells CGYP-1, CGYP-3, CGYP-4, and CGYP-6; and pH in monitoring wells CGYP-2, CGYP-3, CGYP-4, and CGYP-6. Therefore, the Closed Gypsum Pond initiated an Assessment Monitoring program, and the notification was posted on public CCR website on September 29, 2022.

Because of significant lab delays (details provided in later sections), Santee Cooper conservatively performed the first Assessment Monitoring sampling event in June 2022 to stay on the normal semi-annual sampling schedule, sampling for all Appendix III and Appendix IV constituents. The second Assessment Monitoring event was conducted in October 2022, within 90 days of the first Assessment Monitoring event, resampling all Appendix III and Appendix IV constituents. The analytical results were received and validated in December 2022 and the corresponding statistical analysis of both Assessment Monitoring event results will be conducted in first quarter 2023 to determine if statistically significant levels (SSLs) of one or more of the Appendix IV constituents are present downgradient of the Closed Gypsum Pond. Therefore, an assessment of corrective measures, a public meeting, remedy selection, and remedial activities were not required to be initiated or completed in 2022 for this unit.

At the end of the current annual reporting period (December 31, 2022), the Closed Gypsum Pond was in Assessment Monitoring.

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 throughout the active life and post-closure care period of the CCR unit.

The Closed Gypsum Pond at CGS is 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 landfill 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 new CCR landfills, new CCR surface impoundments, and all lateral expansions of CCR units, the owner or operator must prepare the initial annual groundwater monitoring and corrective action report no later than January 31 of the year following the calendar year a groundwater monitoring system has been established for such CCR unit as required by this subpart, and annually thereafter. 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 Groundwater Monitoring and Corrective Action Report documents the activities completed in 2022 for the Closed Gypsum Pond as required by the CCR Rule Groundwater Monitoring and Corrective Action regulations. Groundwater sampling and analysis was conducted per the requirements of § 257.93, and the status of the groundwater monitoring program, as set forth in § 257.94 and § 257.95, is provided in this report.

2.2.1 Status of the Groundwater Monitoring Program

The initial detection monitoring event was conducted in January 2022, and the statistical analysis to determine if SSIs of one or more of the Appendix III constituents are present downgradient of the Closed

Gypsum Pond was conducted. The statistical analysis of the January 2022 detection monitoring event data determined SSIs of all Appendix III constituents in at least four of the five downgradient monitoring wells. Therefore, the Closed Gypsum Pond initiated an Assessment Monitoring program on September 29, 2022.

Because of significant lab delays (details provided in later sections), Santee Cooper conservatively performed the first Assessment Monitoring sampling event in June 2022 to stay on the normal semi-annual sampling schedule, sampling for all Appendix III and Appendix IV constituents. The second Assessment Monitoring event was conducted in October 2022, within 90 days of the first Assessment Monitoring event, resampling all Appendix III and Appendix IV constituents. The analytical results were received and validated in December 2022. The statistical analysis of the validated results for both Assessment Monitoring events will be conducted in first quarter 2023 to establish groundwater protection standards (GWPS) and determine if SSLs of one or more of the Appendix IV constituents are present downgradient of the Closed Gypsum Pond.

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)];
- Re-certified the groundwater monitoring network in accordance with § 257.91(f) after confirming localized groundwater flow direction in the vicinity of the Closed Gypsum Pond;
- Collected and analyzed three rounds of groundwater monitoring (January, June, and October) (Table 1 & Appendix B) in accordance with § 257.94, § 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).
- Completed statistical evaluation on January results to determine if SSIs of one or more of the Appendix III constituents are present downgradient of the Closed Gypsum Pond (Appendix A).
- Installed a new monitoring well (CGYP-7) and initiated collecting eight independent samples to establish a baseline prior to including in the statistical evaluations. CGYP-7 will be added to the compliance groundwater monitoring network after collecting eight samples. Well installation records are provided in Appendix C.
- Improved the potentiometric surface characterization of the uppermost aquifer given changing site conditions by:
    - Revising 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 and east of the Closed Gypsum Pond. Well installation records are provided in Appendix C.

- 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.

- 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 conducted in November 2022. Success of redevelopment will be monitored during 2023 sampling events.
- Updated the CGS GMP in December 2022 to make general revisions and improvements to reflect additional monitoring wells and locations and hydrogeology changes due to site construction and impoundment closures.

2.2.3 Problems Encountered

There were multiple laboratory issues encountered in 2022 which contributed to longer than average turnaround time to receive results 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 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 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 in 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/February and the June 2022 results, it was concluded these non-detect values for beryllium and thallium do not represent an exceedance of the GWPS. However, this did not impact the CGS Closed Gypsum Pond given that it was in Detection Monitoring at that time and not required to evaluate beryllium and thallium which are Appendix IV constituents for Assessment Monitoring.

For the June sampling event, the samples were again held at the Analytical Services' lab 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 were able to reach reporting limits for 2022 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 2022 sampling event, a third sitewide sampling event was conducted in October 2022 (at the same time as the second Assessment Monitoring event for the Closed Gypsum Pond). 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 will include the following:

- Prepare the 2022 annual report; place it in the record as required by § 257.105(h)(1), notify the Relevant State Director [§ 257.106(d)]; and post to the facility's publicly available CCR website [§ 257.107(d)].
- Conduct semi-annual groundwater monitoring consistent with § 257.95(d)(1) and in accordance with the CGS GMP.
- Continue to collect independent samples on a bimonthly basis for CGYP-7 to establish a statistically representative dataset. CGYP-7 will be added to the CCR Rule compliance groundwater monitoring network after collecting eight samples.
- Update the statistical upper tolerance limits for background wells PM-1 and CBW-1 in accordance with the Unified Guidance.
- Conduct statistical analysis of Assessment Monitoring analytical data to determine if SSLs of the detected Appendix IV constituents are above the established GWPS. If so, initiate activities required under § 257.95(g) and § 257.96.
- Continue to improve 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.

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 location of the Closed Gypsum Pond and associated upgradient and downgradient wells 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;

Groundwater elevation data for the area of the station where the Closed Gypsum Pond is located is relatively recent (from 2020 to present). Temporal changes to the potentiometric surface appear to occur, as the variance in groundwater elevation across the entire site is fairly flat (an approximate 3-5 ft difference with a 2.91E-04 ft/ft gradient). In anticipation of possible changes in flow direction, groundwater monitoring well CGYP-7 was installed in September 2022 between existing CGYP-1 and CGYP-2 to ensure that there would be a minimum of three downgradient wells for the unit.

To improve the elevation dataset to the south and east of the Closed Gypsum Pond, three piezometers, CGSPZ-1, CGSPZ-2, and CGSPZ-3, were installed by a South Carolina Certified Well Driller in November 2022. This will improve characterizing the groundwater potentiometric surface given current site conditions that could impact groundwater flow direction.

No monitoring wells were decommissioned during 2022. Well installation records are provided in Appendix C.

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 § 257.94(b), at least two independent samples from each background and downgradient monitoring well were collected and analyzed. 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 Closed Gypsum Pond is presented in Table 1 of this report. In addition, as required by § 257.95(d)(3), Table 1 includes the GWPS 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 2022 for the reasons previously outlined. Although the results were returned from the certified laboratories and validated prior to December 31, 2022, the statistical evaluations were not completed 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 transitioned from detection monitoring to assessment monitoring in 2022. A summary of the evolution of the monitoring programs is provided in this section. Statistical memos are provided in Appendix A.

Following collection of eight rounds of baseline and one round of detection monitoring from the original monitoring wells (CGYP-1, CGYP-2 and CGYP-3) in 2020, it was determined that the monitoring network should be bolstered with additional monitoring wells to ensure ongoing compliance with § 257.91(c). The reason for this was that one of the three original monitoring wells (CGYP-3) was determined to not always be consistently hydraulically downgradient, rather it was periodically side-gradient to the Closed Gypsum Pond. Given this finding, the original monitoring network for the Closed Gypsum Pond was supplemented with three additional monitoring wells (CGYP-4, CGYP-5, and CGYP-6).

Additionally, during baseline sampling for the newly installed monitoring wells in 2021, Santee Cooper concluded that analytical results from monitoring well CGYP-5 were not representative of groundwater quality associated with the Closed Gypsum Pond and therefore monitoring well CGYP-5 was removed from the monitoring network for analytical requirements but remains used for evaluating the potentiometric surface.

As required by § 257.91 and § 257.94, the sample concentrations from the downgradient wells for each of the detected Appendix III constituents from the January 2022 detection monitoring event were compared to their respective background values. SSIs were identified for boron, calcium, chloride, sulfate, and total dissolved solids in monitoring wells CGYP-1, CGYP-2, CGYP-3, CGYP-4, and CGYP-6; fluoride in monitoring wells CGYP-1, CGYP-3, CGYP-4, and CGYP-6; and pH in monitoring wells CGYP-2, CGYP-3, CGYP-4, and CGYP-6. Therefore, the Closed Gypsum Pond initiated an Assessment Monitoring program on September 29, 2022.

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 § 257.94 of the Rule. There are no applicable requirements from Sections § 257.95 through § 257.98.

Although the Rule does not contemplate a scenario in which additional monitoring wells are added to the compliance monitoring network for an existing surface impoundment, obtaining a baseline understanding of the groundwater elevations and constituent concentrations will follow a similar protocol to baseline sampling for background wells. Eight independent baseline samples will be collected from CGYP-7 on a

bimonthly schedule and will be analyzed for all Appendix III and Appendix IV constituents. At the conclusion of the eight bimonthly baseline sampling events, the data will be included in the statistical evaluations moving forward and will then be measured on a semiannual basis thereafter. Bimonthly is the preferred schedule to provide a better understanding of temporal and seasonal constituent fluctuations.

Finally, we improved the potentiometric surface characterization of the uppermost aquifer by collecting site-wide synoptic water levels, installing new piezometers (details in previous sections), and collecting water elevations in unlined ponds. We 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. 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 Closed Gypsum Pond Detection & Assessment Monitoring 2022

					Appendix III Constituents							Appendix IV Constituents																							Field Parameters						
Well ID	Purpose	Date of Sample Event	Laboratory Sample ID Number		Boron	Calcium	Chloride	Fluoride	Sulfate	Total Dissolved Solids	pH	Antimony		Arsenic		Barium		Beryllium		Cadmium		Chromium		Cobalt		Fluoride	Lead		Lithium	Mercury	Molybdenum	Radium 226	Radium 228	Radium 226/Radium 228 Combined Calculation	Selenium		Thallium	Depth to Groundwater	Groundwater Elevation	pH	Specific Conductivity	Temperature	Oxidation Reduction Potential	Turbidity	Dissolved Oxygen
				Unit	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L	SU	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	pCi/L	pCi/L	pCi/L	ug/L	ug/L	ug/L	Feet (btoc)[4]	Feet (msl)[4]	SU	uS	C	mv	NTU	ppm
				Method	EPA 6010D	EPA 6010D	EPA 300.0	EPA 300.0	EPA 300.0	SM 2540C	---	EPA 6010D	EPA 6020B	EPA 6010D	EPA 6020B	EPA 6010D	EPA 6020B	EPA 6010D	EPA 6020B	EPA 6010D	EPA 6020B	EPA 6010D	EPA 6020B	EPA 6010D	EPA 6020B	EPA 6010D	EPA 6020B	EPA 300.0	EPA 6010D	EPA 6020B	EPA 6010D	EPA 7470	EPA 6010D	EPA 903.1 Mod	EPA 904.0	EPA 903.1 Mod	EPA 6010D	EPA 6020B	EPA 6020B							
				GWPS/ US EPA MCL/ QSI	---	---	---	4.00	---	---	---	25.0		16.0		2000		4.00		5.00		100		6.00		4.00		15.0	40.0	2.00	100	---	---	---	---	16.3	50.0		2.00	---	---	---	---	---	---	---
Site Background Wells																																											
PM-1	Background	1/24/2022	AF24801		11.0	14.4	12.1	<0.100	11.7	129	5.19	<10.0		<10.0		82.6		<5.00		<5.00		<10.0		<5.00		<0.100	<10.0		3.70	<0.200	<5.00	2.14	0.540	2.69		<5.00	<10.0	8.32	74.9	5.19	146	19.5	45.0	13.8	0.530
PM-1	Background	6/20/2022	AF36901		<15.0	6.20	13.4	<0.100	6.59	138	4.84		<5.00		<5.00	76.0			<0.500	<4.00			<5.00		1.00	<0.100	<10.0		<10.0	<0.200	<10.0	0.900	0.687	1.59	<20.0		<1.00	9.00	74.2	4.84	88.0	27.9	-54.0	0	1.60
PM-1	Background	10/25/2022	AF47633		43.7	13.1	12.7	<0.100	7.99	96.25	5.01		<5.00		<3.00		85.1		<0.500		<0.500		<5.00		1.89	<0.100		<2.50	5.44	<0.600	<5.00	0.738	2.16	2.90		<10.0	<1.00	8.19	75.1	5.01	121	25.0	50.0	0	0.780
PM-1	total samples				3	3	3	3	3	3	3	1	2	1	2	2	1	0	3	1	2	1	2	1	2	3	2	1	3	3	3	3	3	3	1	2	3	3	3	3	3	3	3	3
CBW-1	Background	1/24/2022	AF24776		13.9	27.9	3.21	0.220	82.8	130	4.26		<5.00		<3.00	37.7			<0.500		<0.500		<5.00		0.730	0.220		2.70	0.660	<0.200	<5.00	0.640	1.80	2.44		<15.6	<1.00	10.2	75.6	4.26	222	18.6	249	21.4	1.18
CBW-1	Background	6/20/2022	AF36876		15.0	29.0	3.79	0.180	78.3	144	4.45		<5.00		<5.00	33.0			<0.500	<4.00			<5.00		<1.00	0.180	<10.0		<10.0	<0.200	<10.0	0.702	1.27	1.98	<50.0		<1.00	11.6	74.2	4.45	1.00	26.0	242	90.3	6.21
CBW-1	Background	10/25/2022	AF47632		20.3	27.5	3.78	<0.100	80.4	110	4.31		<5.00		<3.00		46.6		<0.500		<0.500		<5.00		0.630	<0.100		3.20	<5.00	<0.400	<5.00	0.630	1.88	2.51		<10.0	<1.00	10.4	75.4	4.31	190	24.3	300	0	0.760
CBW-1	total samples				3	3	3	3	3	3	3	0	3	0	3	2	1	0	3	1	2	0	3	0	3	3	1	2	3	3	3	3	3	3	1	2	3	3	3	3	3	3	3	3
Gypsum Pond Wells																																											
CGYP-1	Detection	1/31/2022	AF24788		9840	229	717	0.900	451	1912	4.21		<5.00	14.6		30.1			11.2		<0.500		<5.00	9.31		0.900		5.60	18.3	<0.200	<5.00	0.950	5.86	6.81		18.0	<1.00	17.9	74.0	4.21	3010	20.1	224	0	0.410
CGYP-1	Assessment	6/21/2022	AF36888		4200	200	686	0.910	359	1771	4.28		<5.00		<10.0	23.0			6.00	<4.00			<5.00		33.0	0.910	<10.0		<10.0	<0.200	<10.0	1.40	2.88	4.28	<50.0		<1.00	17.7	74.2	4.28	15.0	25.6	172	94.8	4.76
CGYP-1	Assessment	10/26/2022	AF47646		12600	193	733	0.530	458	1894	4.01		<5.00		4.72		46.9		11.2		2.20		<5.00		52.3	0.530		8.90	8.93	<0.200	<5.00	1.40	2.13	3.53		26.0	<1.00	16.7	75.2	4.01	2320	25.2	214	3.10	0.680
CGYP-1	total samples				3	3	3	3	3	3	3	0	3	1	2	2	1	0	3	1	2	0	3	1	2	3	1	2	3	3	3	3	3	3	1	2	3	3	3	3	3	3	3	3
CGYP-2	Detection	1/31/2022	AF24789		510	226	63.0	0.280	1020	1582	3.96		<5.00	16.5		12.5			4.00		<0.500		<5.00	6.44		0.280	19.0		10.9	<0.200	<5.00	1.07	2.33	3.40		14.0	<1.00	9.4	75.5	3.96	1670	20.4	264	0	0.350
CGYP-2	Duplicate	1/31/2022	AF24790		507	221	64.2	0.290	896	1464			<5.00	17.8		12.3			4.30		<0.500		<5.00		22.2	0.290	19.0		11.2	<0.200	<5.00	0.560	2.46	3.01		14.0	<1.00								
CGYP-2	Assessment	6/21/2022	AF36889		570	240	66.4	0.930	881	1408	4.01		<5.00		<5.00	<10.0			3.00	<4.00			<5.00		18.0	0.930	<10.0		<10.0	<0.200	<10.0	0.891	1.50	2.39	<50.0		<1.00	10.7	74.2	4.01	12.0	29.4	239	63.7	4.16
CGYP-2	Duplicate	6/21/2022	AF36890		570	240	67.5	0.850	870	1411			<5.00		<5.00	<10.0			3.00	<4.00			<5.00		18.0	0.850	<10.0		<10.0	<0.200	<10.0	0.581	1.02	1.60	<50.0		<1.00								
CGYP-2	Assessment	10/25/2022	AF47647		1140	214	57.3	0.420	914	1454	3.80		<5.00		<3.00		18.3		4.30		1.40		<5.00		21.5	0.420		25.1	<5.00	<0.200	<5.00	0.708	4.41	5.12		27.0	<1.00	9.44	75.4	3.80	1560	27.3	276	1.00	0.640
CGYP-2	Duplicate	10/25/2022	AF47648		1050	213	57.5	0.550	919	1481			<5.00		<3.00		17.8		4.00		1.70		<5.00		20.4	0.550		24.3	<5.00	<0.200	<5.00	0.665	3.69	4.35		28.0	<1.00							
CGYP-2	total samples				6	6	6	6	6	6	3	0	6	2	4	4	2	0	6	2	4	0	6	1	5	6	4	2	6	6	6	6	6	6	2	4	6	3	3	3	3	3	3	3
CGYP-3	Detection	1/31/2022	AF24791		21500	563	1160	0.810	998	3410	3.84		<5.00	16.9		24.6		33.9		<10.0		<10.0		50.4		0.810	24.4		100	<0.200	<5.00	0.784	5.39	6.17		14.0	<1.00	8.09	75.9	3.84	4760	20.0	273	0	0.390
CGYP-3	Assessment	6/21/2022	AF36891		9900	460	841	1.94	966	2952	3.87		<5.00		<10.0	17.0			17.0	<4.00			<5.00		55.0	1.94	11.0		29.0	<0.200	<10.0	1.10	4.26	5.36	<50.0		<1.00	9.55	74.4	3.87	3430	27.6	206	0	1.92
CGYP-3	Assessment	10/25/2022	AF47649		16600	415	842	1.06	885	2835	3.56		<5.00		7.00		42.2		34.5		1.90		9.00		95.6	1.06		29.8	51.7	<0.200	<5.00	0.568	6.11	6.68		19.0	<1.00	8.30	75.7	3.56	3800	26.6	275	0	0.650
CGYP-3	total samples				3	3	3	3	3	3	3	0	3	1	2	2	1	1	2	2	1	1	2	1	2	3	2	1	3	3	3	3	3	3	1	2	3	3	3	3	3	3	3	3
CGYP-4	Detection	1/31/2022	AF24792		6210	254	523	0.670	575	1864	3.90		<5.00		8.00	25.0		16.6			<0.500		<5.00	16.8		0.670	11.3		64.2	<0.200	<5.00	1.25	3.60	4.85		<5.00	<1.00	7.30	76.2	3.90	2610	20.7	275	0	0.350
CGYP-4	Assessment	6/21/2022	AF36892		4300	270	445	1.56	576	1676	3.89		<5.00		<10.0	19.0			13.0	<4.00			<5.00		33.0	1.56	<10.0		39.0	<0.200	<10.0	0.415	2.82	3.24	<50.0		<1.00	8.32	75.2	3.89	2270	24.8	232	0	0.740
CGYP-4	Assessment	10/25/2022	AF47650		6130	231	495	0.990	652	1585	3.69		<5.00		4.10		30.6		18.8		0.800		<5.00		41.5	0.990		13.4	71.2	<0.400	<5.00	0.738	3.03	3.77		8.56	<1.00	7.58	75.9	3.69	2190	26.1	272	1.20	0.640
CGYP-4	total samples				3	3	3	3	3	3	3	0	3	0	3	2	1	1	2	1	2	0	3	1	2	3	2	1	3	3	3	3	3	3	1	2	3	3	3	3	3	3	3	3
CGYP-6	Detection	1/31/2022	AF24793		6200	362	937	0.360	128	2379	3.93		<5.00		<3.00	258		23.7			<0.500		<5.00	114		0.360	10.5		128	<0.200	<5.00	0.525	2.92	3.44		<5.00	<1.00	7.97	75.3	3.93	3390	22.0	297	0	0.290
CGYP-6	Assessment	6/21/2022	AF36893		6100	430	1070	0.930	106	3210	3.82		<5.00		<10.0	290			19.0	<4.00			<5.00		117	0.930	<10.0		100	<0.200	<10.0	2.04	2.25	4.30	<50.0		<1.00	8.90	74.3	3.82	3340	27.4	246	0	0.460
CGYP-6	Assessment	10/25/2022	AF47651		5710	370	896	0.490	89.3	2902	3.56		<5.00		<3.00		465		27.0		0.600		<5.00		156	0.490		2.80	148	<0.200	<5.00	2.15	4.02	6.17		<2.50	<1.00	7.92	75.3	3.56	3460	24.6	275	0	0.690
CGYP-6	total samples				3	3	3	3	3	3	3	0	3	0	3	2	1	1	2	1	2	0	3	1	2	3	2	1	3	3	3	3	3	3	1	2	3	3	3	3	3	3	3	3
CGYP-7	Baseline	10/26/2022	AF47652		11800	320	797	0.660	894	2545	3.69		<5.00		6.00		28.1		11.7		3.20		<5.00		79.7	0.660		55.1	7.85	<0.200	<5.00	1.36	4.67	6.04		46.0	<1.00	10.0	75.3	3.69	3840	24.2	238	9.10	0.800
CGYP-7	Baseline	12/7/2022	AF50608		11500	303	761	<0.100	920	2554	3.85		<5.00		6.10		24.8		11.6		3.00		<5.00		75.2	<0.100		47.3	<5.00	<0.200	<5.00	2.94	2.88	5.82		55.8	<1.00	10.1	85.5	3.85	3610	21.7	290	0.600	0.260
CGYP-7	Duplicate	12/7/2022	AF50609		11500	307	808	<0.100	997	2544			<5.00		9.20		24.9		14.7		2.20		<5.00		78.6	<0.100		48.3	<5.00	<0.200	<5.00	4.03	2.04	6.07		56.9	<1.00							
CGYP-7	total samples				3	3	3	3	3	3	2	0	3	0	3	0	3	0	3	0	3	0	3	0	3	3	0	3	3	3	3	3	3	3	0	3	3	2	2	2	2	2	2	2

Notes:

1. All groundwater samples collected from the monitoring wells were analyzed by South Carolina Certified laboratories: Santee Cooper Analytical Services (Certification # 08552), GEL Laboratories, LLC (Certification # 10120), Eurofins Savannah (Certification # 98001), Rogers & Callcot, Inc. (Certification # 23105001), and Pace Analytical Services LLC (Certification #99030).
2. All Background, Detection Monitoring & Assessment Monitoring compliance wells have been sampled to meet § 257.94 and § 257.95.
3. Due to challenges with laboratory delays, all groundwater samples were not analyzed by a single laboratory. This accounts for the majority of the reporting limit variability. Matrix interference also contributed to variable RLs.
4. Depth to groundwater is measured below the top of the casing (btoc) to the water surface. Elevation is shown relative to mean sea level (msl).

Table 2
Cross Generating Station
2022 Synoptic Water Levels for Groundwater Monitoring Wells

	1st Event				2nd Event				3rd Event			
Well Name	Collection Date	Depth to Groundwater (ft btoc)[2]	Top of Casing Elevation (ft msl)[2]	GW Elevation (ft msl)[2]	Collection Date	Depth to Groundwater (ft btoc)[2]	Top of Casing Elevation (ft msl)[2]	GW Elevation (ft msl)[2]	Collection Date	Depth to Groundwater (ft btoc)[2]	Top of Casing 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]	-	-	-	-	-	-	-	-	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	8.27	83.95	75.68
CGYP-4	3/17/2022	7.76	83.49	75.73	6/20/2022	7.28	83.49	76.21	10/24/2022	7.51	83.49	75.98
CGYP-5[3]	-	-	-	-	6/20/2022	7.94	84.12	76.18	10/24/2022	8.12	84.12	76.00
CGYP-6	3/17/2022	8.31	82.23	73.92	6/20/2022	8.88	82.23	73.35	10/24/2022	7.95	82.23	74.28
CGYP-7[4]	-	-	-	-	-	-	-	-	10/24/2022	10.03	85.37	75.34
PSE-1[5]	3/3/2022	-	-	75.00	6/20/2022	-	-	74.63	10/24/2022	-	-	74.86
PSE-2[5]	3/3/2022	-	-	79.99	6/20/2022	-	-	81.52	10/24/2022	-	-	82.34
PSE-3[5]	3/3/2022	-	-	81.83	6/20/2022	-	-	81.47	10/24/2022	-	-	83.11
PSE-4[5]	3/3/2022	-	-	82.43	6/20/2022	-	-	82.19	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 (msl).
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

LEGEND

- BACKGROUND WELL
- CGS PIEZOMETERS
- CLOSED GYPSUM POND MONITORING WELLS
- CCR UNIT BOUNDARY
- CROSS GENERATING STATION PROPERTY BOUNDARY
- SANTEE COOPER PROPERTY BOUNDARY
- POND WATER SURFACE ELEVATION MEASUREMENT LOCATION

NOTES:

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AERIAL IMAGERY SOURCE: ESRI

N

0 450 900
SCALE IN FEET

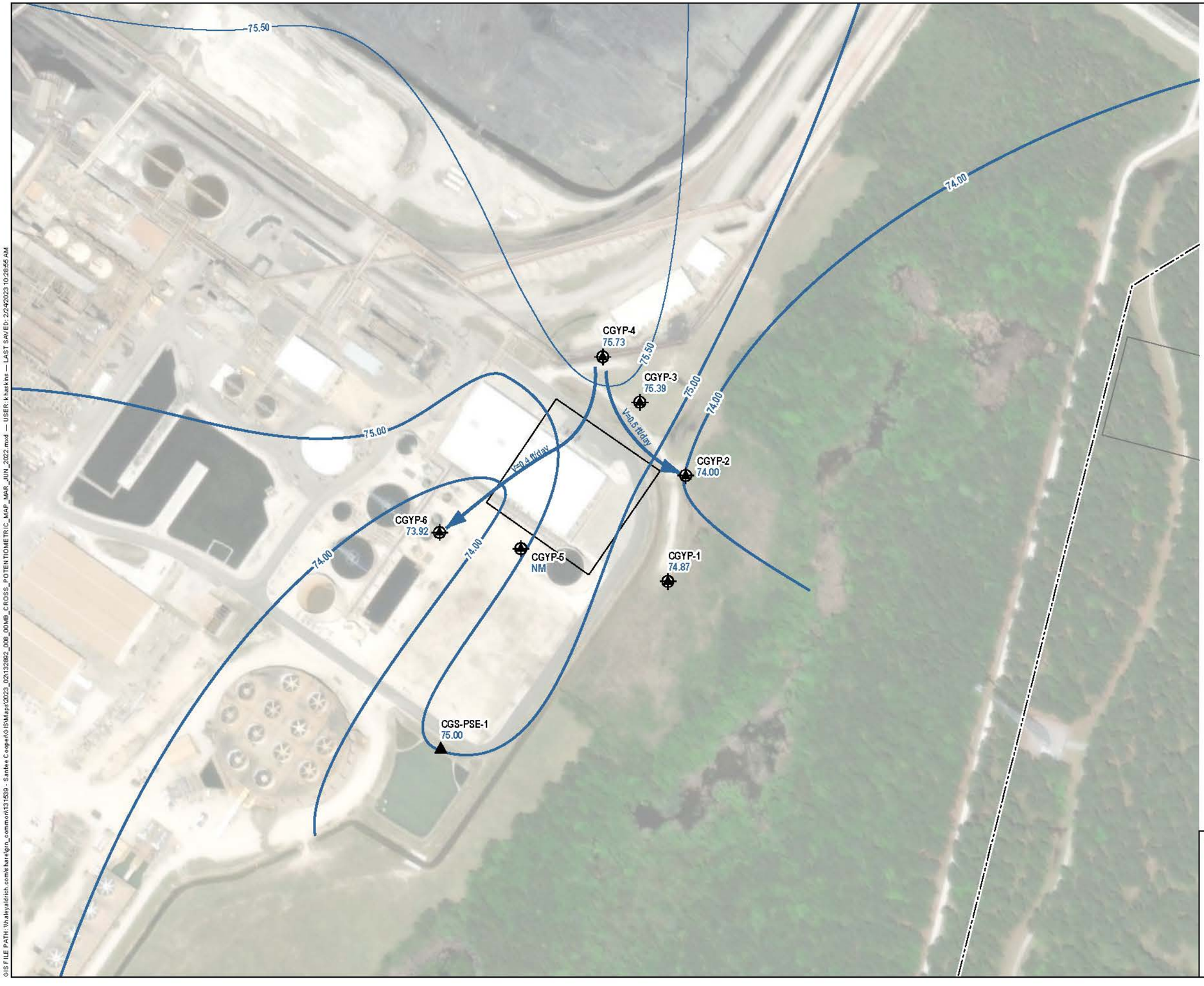
SANTEE COOPER
CROSS GENERATING STATION
PINEVILLE, SOUTH CAROLINA

LOCATION OF CLOSED GYPSUM POND GROUNDWATER MONITORING WELLS FOR CCR COMPLIANCE

JANUARY 2023

FIGURE 1

GIS FILE PATH: I:\97130\Groundwater\GIS Groundwater\mxd map files\CGS_CCR_WELL_LOCATIONS.mxd — USER: ALDECOTE — LAST SAVED: 12/8/2022 2:11:15 PM



LEGEND

- CLOSED GYPSUM POND WELL
- UNLINED POND SURFACE ELEVATION
- GROUNDWATER ELEVATION CONTOUR, 1-FT INTERVAL
- INTERMEDIATE GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- CCR UNIT BOUNDARY
- CROSS GENERATING STATION PROPERTY BOUNDARY
- SANTEE COOPER PROPERTY BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.

2. AVERAGE LINEAR VELOCITY WAS CALCULATED USING:

$$v = -\frac{K}{n_e}\frac{\Delta h}{\Delta L}$$

3. ABBREVIATIONS:
ft/day = FEET PER DAY
V = AVERAGE LINEAR VELOCITY (ft/day)
K = HORIZONTAL HYDRAULIC CONDUCTIVITY (ft/day)
$\Delta h/\Delta L$ = HORIZONTAL GRADIENT (CHANGE IN HYDRAULIC HEAD / LENGTH OF HORIZONTAL HYDRAULIC FLOW PATH)
FLOW LINE (FL) = DISTANCE IN FEET

4. K = 25 FEET PER DAY (ft/day)

5. n_e = 0.25

6. AVERAGE LINEAR VELOCITY FOR THE UNIT (GEOMETRIC MEAN OF VALUES) IS 0.5 FT/DAY.

7. AERIAL IMAGERY SOURCE: ESRI

N

0 200 400
SCALE IN FEET

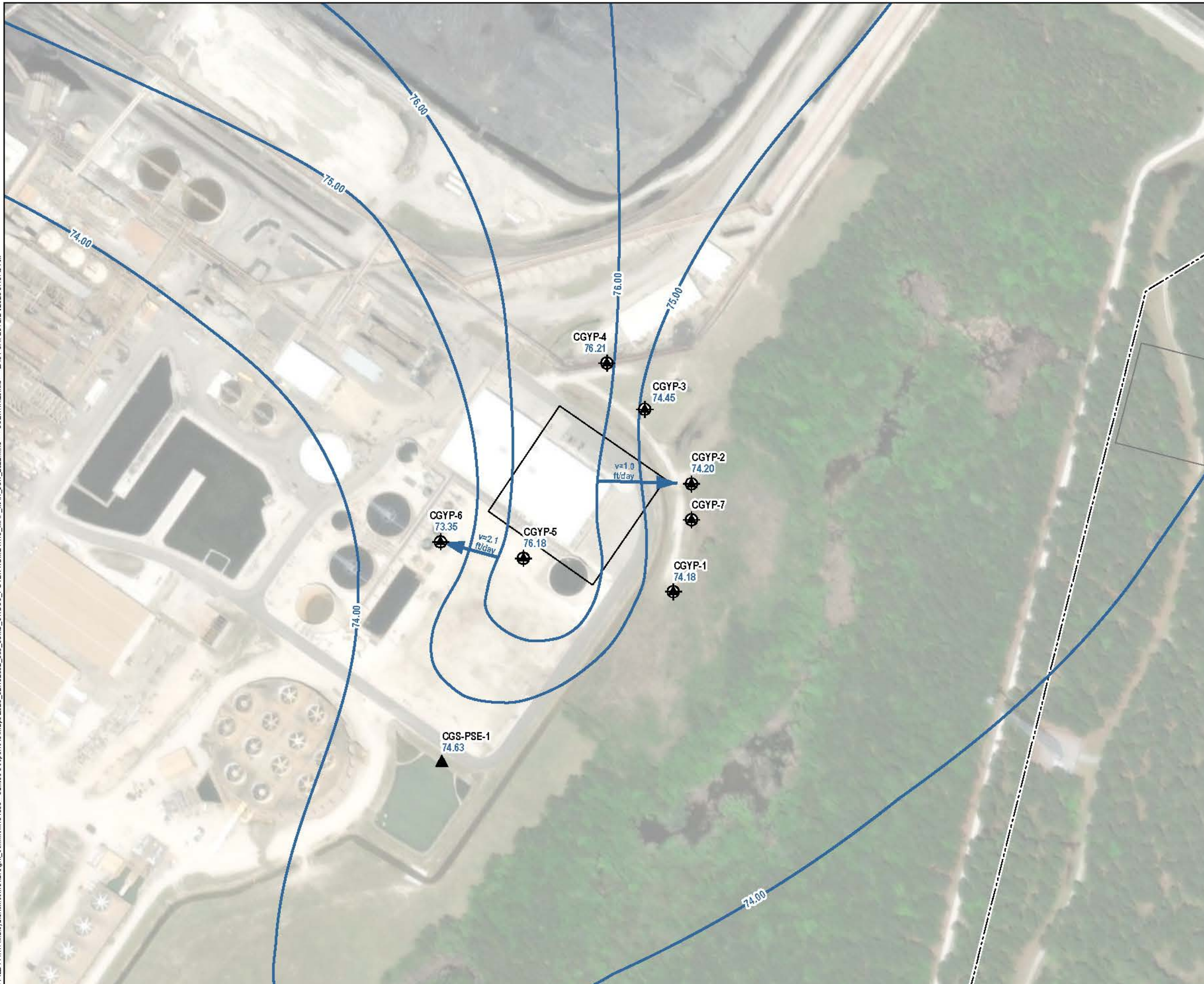
HALEY ALDRICH

SANTEE COOPER
CROSS GENERATING STATION
PINEVILLE, SOUTH CAROLINA

POTENTIOMETRIC MAP
CLOSED GYPSUM POND
MARCH 17, 2022

FEBRUARY 2023

FIGURE 2



LEGEND

- CLOSED GYPSUM POND WELL
- UNLINED POND SURFACE ELEVATION
- GROUNDWATER ELEVATION CONTOUR, 1-FT INTERVAL
- GROUNDWATER FLOWDIRECTION
- CCR UNIT BOUNDARY
- CROSS GENERATING STATION PROPERTY BOUNDARY
- SANTEE COOPER PROPERTY BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AVERAGE LINEAR VELOCITY WAS CALCULATED USING:

$$v = -\frac{K}{n_e}\frac{\Delta h}{\Delta L}$$

3. ABBREVIATIONS:
ft/day = FEET PER DAY
V = AVERAGE LINEAR VELOCITY (ft/day)
K = HORIZONTAL HYDRAULIC CONDUCTIVITY (ft/day)
Δh/ΔL = HORIZONTAL GRADIENT (CHANGE IN HYDRAULIC HEAD / LENGTH OF HORIZONTAL HYDRAULIC FLOW PATH)
FLOW LINE (FL) = DISTANCE IN FEET
4. K = 25 FEET PER DAY (ft/day)
5. n_e = 0.25
6. AVERAGE LINEAR VELOCITY FOR THE UNIT (GEOMETRIC MEAN OF VALUES) IS 1.5 FT/DAY.
7. AERIAL IMAGERY SOURCE: ESRI

0 200 400
SCALE IN FEET

HALEY ALDRICH

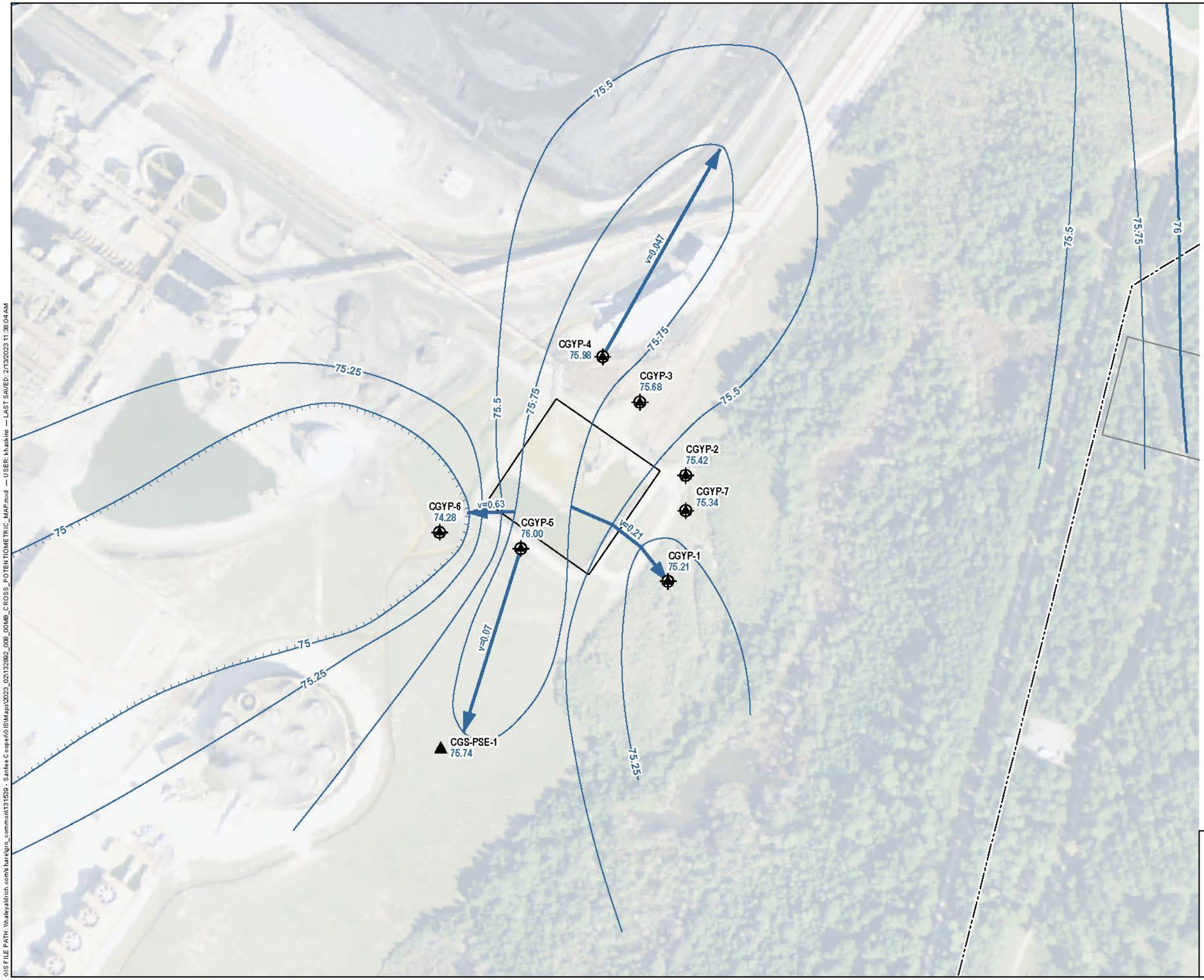
SANTEE COOPER
CROSS GENERATING STATION
PINEVILLE, SOUTH CAROLINA

POTENTIOMETRIC MAP
CLOSED GYPSUM POND
JUNE 20, 2022

FEBRUARY 2023

FIGURE 3

GIS FILE PATH: \\haleyaldrich.com\share\grn_common\131539 - Santee Cooper\GIS\Maps\2023_02\132892_008_00MB_CROSS_POTENTIOMETRIC_MAP_MAR_JUN_2022.mxd — USER: khaskins — LAST SAVED: 2/24/2023 9:19:49 AM



LEGEND

- CLOSED GYPSUM POND WELL
- UNLINED POND SURFACE ELEVATION
- GROUNDWATER ELEVATION CONTOUR
- INTERMEDIATE GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- CCR UNIT BOUNDARY
- CROSS GENERTAING STATION PROPERTY BOUNDARY
- SANTEE COOPER PROPERTY BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.

2. AVERAGE LINEAR VELOCITY WAS CALCULATED USING:

$$v = -\frac{K}{n_e}\frac{\Delta h}{\Delta L}$$

3. ABBREVIATIONS:
ft/day = FEET PER DAY
V = AVERAGE LINEAR VELOCITY (ft/day)
K = HORIZONTAL HYDRAULIC CONDUCTIVITY (ft/day)
Δh/ΔL = HORIZONTAL GRADIENT (CHANGE IN HYDRAULIC HEAD / LENGTH OF HORIZONTAL HYDRAULIC FLOW PATH)
FLOW LINE (FL) = DISTANCE IN FEET

4. K = 25 FEET PER DAY (ft/day)

5. n_e = 0.25

6. AVERAGE LINEAR VELOCITY FOR THE UNIT (GEOMETRIC MEAN OF VALUES) IS 0.14 FT/DAY.

7. AERIAL IMAGERY SOURCE: NATIONAL AGRICULTURE IMAGERY PROGRAM (NAIP), 2013

N

0 200 400
SCALE IN FEET

HALEY ALDRICH

SANTEE COOPER
CROSS GENERATING STATION
PINEVILLE, SOUTH CAROLINA

POTENTIOMETRIC MAP
CLOSED GYPSUM POND
OCTOBER 24, 2022

FEBRUARY 2023

FIGURE 4

Appendix A – Statistical Analysis

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864.214.8750

TECHNICAL MEMORANDUM

August 24, 2022
File No. 132892-017

SUBJECT: Statistical Evaluation of the January 2022 Semiannual Groundwater Detection Monitoring Data, Cross Generating Station, Closed Gypsum Pond

Pursuant to Title 40 of the Code of Federal Regulations (40 CFR §257.93 and §257.94) (Rule), this memorandum summarizes the statistical evaluation completed for the groundwater detection analytical results obtained for the January 2022 semiannual detection monitoring event for the Closed Gypsum Pond at the Cross Generating Station (CGS). Data validation for this groundwater sampling was completed by Santee Cooper on June 14, 2022.

BACKGROUND

The Closed Gypsum Pond was closed by removal of coal combustion residuals (CCR) on March 11, 2017 in accordance with the state regulatory agency-approved closure plan. Even though the pond no longer exists, the footprint where the pond was previously located is being managed and monitored as a CCR unit in accordance with the Rule.

Results of analytical testing performed on samples collected from the groundwater monitoring network referenced above were evaluated to determine whether there has been a Statistically Significant Increase (SSI) over background limits of Appendix III (detection) groundwater monitoring constituents. This was the initial round of detection monitoring for the Closed Gypsum Pond following baseline sampling.

Using interwell evaluations, sample data from the January 2022 semiannual groundwater sampling event for the downgradient monitoring wells were compared to the background limits derived from the upgradient monitoring wells, CBW-1 and PM-1. The results of the groundwater detection monitoring statistical evaluation are discussed below and are provided in Table I.

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 an SSI of Appendix III parameters compared to background groundwater quality of the CCR Unit. The selected statistical method used for these evaluations is the upper prediction limit (or UPL) which is a type of prediction limit. The statistical method used for this evaluation was certified by Haley & Aldrich, Inc. on May 20, 2020.

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 results of analytical testing performed on samples collected from the groundwater monitoring network were evaluated to determine whether there has been a SSI over background for each inorganic constituent presented in the Table I.

In order to statistically evaluate the analytical results, the upper prediction background limit (or UPL), which is a type of prediction interval method, was selected to evaluate the data. The prediction interval method is one of the methods outlined in the Rule. This prediction interval procedure uses a concentration limit for each constituent that is established from the distribution of the background data with a specified confidence level (e.g., 95 percent). The upper endpoint of a concentration limit is called the upper prediction limit or UPL. Depending on the background data distribution, parametric or non-parametric prediction limit procedures are used to evaluate groundwater monitoring data using this method. Parametric prediction limits utilize normally distributed data or normalized data 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 prediction limit. If all the background data are non-detect, a maximum reporting limit (RL) may serve as an approximate upper prediction limit.

The UPLs were calculated from the background well dataset using Chemstat 6.3.0.0 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 a visual inspection of the data was performed using distribution plots for the downgradient sample data. No sample data were identified as outliers that warranted removal from the dataset.

The groundwater analytical results for each sampling event from the background sample locations (CBW-1 and PM-1) were combined to calculate the UPL for each detected Appendix III constituent. The variability and distribution of the pooled dataset were evaluated to determine the method for UPL calculation. The background dataset will be updated again 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 III DOWNGRADIENT STATISTICAL COMPARISONS

The sample concentrations from the downgradient wells for each of the detected Appendix III constituents from the January 2022 semiannual detection monitoring event were compared to their respective background values (Table I).

There were SSIs identified for each of the Appendix III constituents. Based on the results of the statistical evaluation for Appendix III detection monitoring constituents, the Closed Gypsum Pond has triggered assessment monitoring.

Table:

Table I – Detection Monitoring Statistical Analysis Summary – January 2022 Groundwater Monitoring Event

\\haleyaldrich.com\share\grn_common\131539 - Santee Cooper\Cross Generating Station\Statistical Analysis\January 2022\CGYP\2022-0824_HAI_CGS_CGYP_AppIII_Statistical Evaluation_F.docx

TABLE

TABLE 1
DETECTION MONITORING STATISTICAL EVALUATION SUMMARY - JANUARY 2022 GROUNDWATER MONITORING EVENT
CLOSED GYPSUM POND
CROSS GENERATING STATION

																			Inter-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*	January 2022 Concentration (mg/L)	Detect?	Background Limit (Upper Prediction Limit)	SSI
CCR Appendix-III: Boron, Total (mg/L)																							
CBW-1	17/19	11%	0.015-0.04	0.0221	0.0217	0.0328	0.032	0.00004081	0.006389	0.2885	NA	mg/L	N	0	0	Yes	No	Stable	Non-parametric			0.049	
PM-1	10/19	47%	0.015-0.02	0.0179	0.015	0.0238	0.049	0.00006188	0.007867	0.4401	NA	mg/L	N	0	0	Yes	No	Stable					
CGYP-1	13/13	0%	-	10.1	10	12.8	14	2.563	1.601	0.1582	NA	mg/L	N	0	0	Yes	No	Stable		9.84	Y		Yes
CGYP-2	13/13	0%	-	1.55	1.7	2.04	2.1	0.2487	0.4987	0.3222	NA	mg/L	N	0	0	No	No	Decrease		0.51	Y		Yes
CGYP-3	13/13	0%	-	19.9	19	23.8	25	7.923	2.815	0.1416	NA	mg/L	N	0	0	No	No	Decrease		21.50	Y		Yes
CGYP-4	8/8	0%	-	7.4	7.65	8	8	0.4109	0.641	0.08661	NA	mg/L	N	0	0	Yes	No	Decrease		6.21	Y		Yes
CGYP-6	8/8	0%	-	6.61	6.8	7.195	7.3	0.4241	0.6512	0.09849	NA	mg/L	N	0	0	Yes	No	Stable		6.20	Y		Yes
CCR Appendix-III: Calcium, Total (mg/L)																							
CBW-1	19/19	0%	-	27	27	31.13	42.2	20.19	4.494	0.1666	NA	mg/L	N	0	0	Yes	No	Stable	Normal			47.6	
PM-1	20/20	0%	-	17.8	16.4	27.5	37	39.44	6.28	0.3527	NA	mg/L	N	0	0	No	No	Decrease					
CGYP-1	13/13	0%	-	253	242	330.2	353	2360	48.58	0.1921	NA	mg/L	N	0	0	No	No	Stable		229	Y		Yes
CGYP-2	13/13	0%	-	283	293	307.4	311	554.4	23.55	0.08322	NA	mg/L	N	0	0	Yes	No	Decrease		226	Y		Yes
CGYP-3	13/13	0%	-	619	579	745.8	759	7430	86.2	0.1392	NA	mg/L	N	0	0	No	No	Stable		563	Y		Yes
CGYP-4	8/8	0%	-	318	321.5	355.8	360	1015	31.86	0.1002	NA	mg/L	N	0	0	Yes	No	Stable		254	Y		Yes
CGYP-6	8/8	0%	-	439	448	477.9	480	1684	41.03	0.09341	NA	mg/L	N	0	0	No	No	Stable		362	Y		Yes
CCR Appendix-III: Chloride (mg/L)																							
CBW-1	20/20	0%	-	2.9	2.95	3.26	3.44	0.08616	0.2935	0.1012	NA	mg/L	N	0	0	No	No	Stable	Non-parametric			13.5	
PM-1	20/20	0%	-	12.6	12.69	13.4	13.5	0.3243	0.5695	0.04536	NA	mg/L	N	0	0	No	No	Stable					
CGYP-1	13/13	0%	-	697	699	792.6	795	3074	55.44	0.07949	NA	mg/L	N	0	0	No	No	Increase		717	Y		Yes
CGYP-2	13/13	0%	-	119	127	168.2	176	1527	39.08	0.3283	NA	mg/L	N	0	0	No	No	Stable		63	Y		Yes
CGYP-3	13/13	0%	-	1150	1070	1427	1460	29500	171.7	0.1495	NA	mg/L	N	0	0	No	No	Stable		1160	Y		Yes
CGYP-4	8/8	0%	-	611	595.5	715.5	733	5934	77.03	0.126	NA	mg/L	N	0	0	No	No	Decrease		523	Y		Yes
CGYP-6	8/8	0%	-	1040	1066	1136	1160	8747	93.52	0.09017	NA	mg/L	N	0	0	No	No	Decrease		937	Y		Yes
CCR Appendix-III: Fluoride (mg/L)																							
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	Decrease	Non-parametric			0.30	
PM-1	0/18	100%	0.1-0.1	0.1	0.1	0.1		1.633E-18	1.278E-09	1.278E-08	4	mg/L	N	0	0	NA	NA	NA					
CGYP-1	13/13	0%	-	1.01	0.97	1.462	1.69	0.08592	0.2931	0.2902	4	mg/L	N	0	0	No	No	Stable		0.90	Y		Yes
CGYP-2	11/13	15%	0.1-0.1	0.76	0.75	1.4	1.55	0.2019	0.4494	0.5913	4	mg/L	N	0	0	No	No	Stable		0.28	Y		No
CGYP-3	12/13	8%	0.1-0.1	2.24	1.88	5.23	6.22	3.045	1.745	0.7777	4	mg/L	Y	2	0	No	No	Stable		0.81	Y		Yes
CGYP-4	8/8	0%	-	1.79	1.71	3.06	3.19	0.7562	0.8696	0.4862	4	mg/L	N	0	0	No	No	Decrease		0.67	Y		Yes
CGYP-6	8/8	0%	-	0.753	0.795	1.061	1.1	0.07585	0.2754	0.366	4	mg/L	N	0	0	No	No	Decrease		0.36	Y		Yes
CCR Appendix-III: pH, Field (pH units)																							
CBW-1	20/20	0%	-	4.3	4.315	4.5	4.5	0.01686	0.1299	0.0302	NA	pH units	N	0	0	No	No	Stable	Non-parametric			4.09, 5.58	
PM-1	25/25	0%	-	5.14	5.19	5.47	5.58	0.05731	0.2394	0.04657	NA	pH units	N	0	0	No	No	Stable					
CGYP-1	13/13	0%	-	4.04	4.06	4.324	4.48	0.04997	0.2235	0.05533	NA	pH units	N	0	0	No	No	Stable		4.21	Y		No
CGYP-2	13/13	0%	-	3.82	3.8	4.036	4.06	0.01695	0.1302	0.03407	NA	pH units	N	0	0	No	No	Stable		3.96	Y		Yes
CGYP-3	13/13	0%	-	3.72	3.73	3.972	3.99	0.03298	0.1816	0.04876	NA	pH units	N	0	0	No	No	Stable		3.84	Y		Yes
CGYP-4	8/8	0%	-	3.71	3.655	3.893	3.9	0.016	0.1265	0.03406	NA	pH units	N	0	0	No	No	Stable		3.90	Y		Yes
CGYP-6	8/8	0%	-	3.67	3.665	3.849	3.93	0.01499	0.1224	0.03339	NA	pH units	N	0	0	Yes	No	Stable		3.93	Y		Yes
CCR Appendix-III: Sulfate (mg/L)																							
CBW-1	20/20	0%	-	79.5	78.75	91.35	115	120	10.96	0.1379	NA	mg/L	N	0	0	Yes	No	Stable	Non-parametric			115.0	
PM-1	20/20	0%	-	12.9	10.8	25.55	26.5	32.22	5.677	0.4407	NA	mg/L	N	0	0	No	No	Decrease					
CGYP-1	13/13	0%	-	453	448	590.2	613	8334	91.29	0.2016	NA	mg/L	N	0	0	No	No	Stable		451	Y		Yes
CGYP-2	13/13	0%	-	941	937	1008	1020	2424	49.24	0.0523	NA	mg/L	N	0	0	No	No	Stable		1020	Y		Yes
CGYP-3	13/13	0%	-	970	983	1003	1010	1206	34.73	0.03579	NA	mg/L	N	0	0	No	No	Stable		998	Y		Yes
CGYP-4	8/8	0%	-	600	601	617.5	621	210.6	14.51	0.02421	NA	mg/L	N	0	0	No	No	Stable		575	Y		Yes
CGYP-6	8/8	0%	-	90.9	87.6	116.9	128	302.9	17.4	0.1915	NA	mg/L	N	0	0	Yes	No	Stable		128	Y		Yes
CCR Appendix-III: Total Dissolved Solids (TDS) (mg/L)																							
CBW-1	19/20	5%	40-40	124	131	178.9	181.2	1216	34.87	0.2804	NA	mg/L	N	0	0	Yes	No	Stable	Normal			261.8	
PM-1	23/24	4%	40-40	132	130	200	206	1659	40.73	0.3082	NA	mg/L	N	0	0	No	No	Stable					
CGYP-1	13/13	0%	-	1910	1839	2441	2650	92300	303.8	0.1589	NA	mg/L	N	0	0	No	No	Stable		1912	Y		Yes
CGYP-2	13/13	0%	-	1570	1582	1628	1634	2142	46.28	0.0295	NA	mg/L	N	0	0	No	No	Stable		1582	Y		Yes
CGYP-3	13/13	0%	-	3730	3519	4684	4958	314400	560.7	0.1504	NA	mg/L	N	0	0	No	No	Increase		3410	Y		Yes
CGYP-4	8/8	0%	-	1920	1951	2175	2178	50360	224.4	0.1168	NA	mg/L	N	0	0	No	No	Stable		1864	Y		Yes
CGYP-6	8/8	0%	-	2660	2561	3567	3952	370500	608.7	0.2285	NA	mg/L	N	0	0	Yes	No	Decrease		2379	Y		Yes

Appendix B – Laboratory Analytical Reports

santee cooper

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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

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
pH	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; "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 Validated date: 5/23/22

Linda Williams - Supervisor Analytical Services

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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

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
Iron	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: Linda Williams Validated date: 5/12/22

Linda Williams - Supervisor Analytical Services

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF24788 **Location:** GW Well CGYP-1 **Date:** 01/31/2022 **Sample Collector:** BRT/BSB

Loc. Code CGYP-1 **Time:** 11:50

Analysis	Result	Units	Test Date	Analyst	Method
Antimony	<10.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Arsenic	14.6	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Barium	30.1	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Beryllium	<10.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Boron	9840	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Cadmium	<10.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Calcium	229	mg/L	02/24/2022	SJHATCHE	EPA 6010D
Cobalt	9.31	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Chromium	<10.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Lead	<10.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Lithium	18.3	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Mercury	<0.20	ug/L	03/01/2022	PACE	EPA 7470
Molybdenum	<10.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Selenium	<50.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Thallium	<50.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Total Dissolved Solids	1912	mg/L	02/04/2022	SJBROWN	SM 2540C
Fluoride	0.90	mg/L	02/04/2022	KCWELLS	EPA 300.0
Chloride	717	mg/L	02/04/2022	KCWELLS	EPA 300.0
Sulfate	451	mg/L	02/04/2022	KCWELLS	EPA 300.0
Radium 226	0.950	pCi/L	02/28/2022	GEL	EPA 903.1 Mod
Radium 228	5.86	pCi/L	03/04/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	6.81	pCi/L	03/04/2022	GEL	EPA 903.1 Mod
pH	4.21	SU	01/31/2022	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 Williams Validated date: 3/17/22

Linda Williams - Supervisor Analytical Services

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF24789 **Location:** GW Well CGYP-2 **Date:** 01/31/2022 **Sample Collector:** BRT/BSB

Loc. Code CGYP-2 **Time:** 12:42

Analysis	Result	Units	Test Date	Analyst	Method
Antimony	<10.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Arsenic	16.5	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Barium	12.5	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Beryllium	<10.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Boron	510	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Cadmium	<10.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Calcium	226	mg/L	02/24/2022	SJHATCHE	EPA 6010D
Cobalt	6.44	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Chromium	<10.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Lead	19.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Lithium	10.9	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Mercury	<0.20	ug/L	03/01/2022	PACE	EPA 7470
Molybdenum	<10.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Selenium	<50.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Thallium	<50.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Total Dissolved Solids	1582	mg/L	02/04/2022	COAMESWA	SM 2540C
Fluoride	0.28	mg/L	02/04/2022	KCWELLS	EPA 300.0
Chloride	63.0	mg/L	02/04/2022	KCWELLS	EPA 300.0
Sulfate	1020	mg/L	02/04/2022	KCWELLS	EPA 300.0
Radium 226	1.07	pCi/L	02/28/2022	GEL	EPA 903.1 Mod
Radium 228	2.33	pCi/L	03/04/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	3.40	pCi/L	03/04/2022	GEL	EPA 903.1 Mod
pH	3.96	SU	01/31/2022	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 Williams Validated date: 3/17/22

Linda Williams - Supervisor Analytical Services

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF24790 **Location:** GW Well CGYP-2 **Date:** 01/31/2022 **Sample Collector:** BRT/BSB

Loc. Code CGYP-2 DUP **Time:** 12:47

Analysis	Result	Units	Test Date	Analyst	Method
Antimony	<10.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Arsenic	17.8	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Barium	12.3	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Beryllium	<10.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Boron	507	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Cadmium	<10.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Calcium	221	mg/L	02/24/2022	SJHATCHE	EPA 6010D
Cobalt	<5.00	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Chromium	<10.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Lead	19.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Lithium	11.2	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Mercury	<0.20	ug/L	03/01/2022	PACE	EPA 7470
Molybdenum	<10.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Selenium	<50.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Thallium	<50.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Total Dissolved Solids	1464	mg/L	02/04/2022	SJBROWN	SM 2540C
Fluoride	0.29	mg/L	02/04/2022	KCWELLS	EPA 300.0
Chloride	64.2	mg/L	02/04/2022	KCWELLS	EPA 300.0
Sulfate	896	mg/L	02/04/2022	KCWELLS	EPA 300.0
Radium 226	0.560	pCi/L	02/28/2022	GEL	EPA 903.1 Mod
Radium 228	2.46	pCi/L	03/04/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	3.01	pCi/L	03/04/2022	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: Linda Williams Validated date: 3/17/22

Linda Williams - Supervisor Analytical Services

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF24791 **Location:** GW Well CGYP-3 **Date:** 01/31/2022 **Sample Collector:** BRT/BSB

Loc. Code CGYP-3 **Time:** 14:21

Analysis	Result	Units	Test Date	Analyst	Method
Antimony	<10.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Arsenic	16.9	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Barium	24.6	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Beryllium	33.9	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Boron	21500	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Cadmium	<10.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Calcium	563	mg/L	02/24/2022	SJHATCHE	EPA 6010D
Cobalt	50.4	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Chromium	<10.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Lead	24.4	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Lithium	100	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Mercury	<0.20	ug/L	03/01/2022	PACE	EPA 7470
Molybdenum	<10.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Selenium	<50.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Thallium	<50.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Total Dissolved Solids	3410	mg/L	02/04/2022	SJBROWN	SM 2540C
Fluoride	0.81	mg/L	02/11/2022	KCWELLS	EPA 300.0
Chloride	1160	mg/L	02/04/2022	KCWELLS	EPA 300.0
Sulfate	998	mg/L	02/04/2022	KCWELLS	EPA 300.0
Radium 226	0.784	pCi/L	02/28/2022	GEL	EPA 903.1 Mod
Radium 228	5.39	pCi/L	03/04/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	6.17	pCi/L	03/04/2022	GEL	EPA 903.1 Mod
pH	3.84	SU	01/31/2022	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 Williams Validated date: 3/17/22

Linda Williams - Supervisor Analytical Services

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF24792 **Location:** GW Well CGYP-4 **Date:** 01/31/2022 **Sample Collector:** BRT/BSB

Loc. Code CGYP-4 **Time:** 15:17

Analysis	Result	Units	Test Date	Analyst	Method
Antimony	<10.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Arsenic	<10.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Barium	25.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Beryllium	16.6	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Boron	6210	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Cadmium	<10.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Calcium	254	mg/L	02/24/2022	SJHATCHE	EPA 6010D
Cobalt	16.8	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Chromium	<10.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Lead	11.3	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Lithium	64.2	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Mercury	<0.20	ug/L	03/01/2022	PACE	EPA 7470
Molybdenum	<10.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Selenium	<50.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Thallium	<50.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Total Dissolved Solids	1864	mg/L	02/04/2022	SJBROWN	SM 2540C
Fluoride	0.67	mg/L	02/04/2022	KCWELLS	EPA 300.0
Chloride	523	mg/L	02/04/2022	KCWELLS	EPA 300.0
Sulfate	575	mg/L	02/04/2022	KCWELLS	EPA 300.0
Radium 226	1.25	pCi/L	02/28/2022	GEL	EPA 903.1 Mod
Radium 228	3.60	pCi/L	03/04/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	4.85	pCi/L	03/04/2022	GEL	EPA 903.1 Mod
pH	3.90	SU	01/31/2022	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 Williams Validated date: 3/17/22

Linda Williams - Supervisor Analytical Services

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF24793 **Location:** GW Well CGYP-6 **Date:** 01/31/2022 **Sample Collector:** BRT/BSB

Loc. Code CGYP-6 **Time:** 16:27

Analysis	Result	Units	Test Date	Analyst	Method
Antimony	<10.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Arsenic	<10.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Barium	258	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Beryllium	23.7	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Boron	6200	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Cadmium	<10.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Calcium	362	mg/L	02/24/2022	SJHATCHE	EPA 6010D
Cobalt	114	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Chromium	<10.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Lead	10.5	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Lithium	128	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Mercury	<0.20	ug/L	03/01/2022	PACE	EPA 7470
Molybdenum	<10.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Selenium	<50.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Thallium	<50.0	ug/L	02/24/2022	SJHATCHE	EPA 6010D
Total Dissolved Solids	2379	mg/L	02/04/2022	SJBROWN	SM 2540C
Fluoride	0.36	mg/L	02/04/2022	KCWELLS	EPA 300.0
Chloride	937	mg/L	02/04/2022	KCWELLS	EPA 300.0
Sulfate	128	mg/L	02/04/2022	KCWELLS	EPA 300.0
Radium 226	0.525	pCi/L	02/28/2022	GEL	EPA 903.1 Mod
Radium 228	2.92	pCi/L	03/04/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	3.44	pCi/L	03/04/2022	GEL	EPA 903.1 Mod
pH	3.93	SU	01/31/2022	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 Williams Validated date: 3/17/22

Linda Williams - Supervisor Analytical Services

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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	08/29/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	1.59	pCi/L	08/29/2022	GEL	EPA 903.1 Mod
pH	4.84	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: Linda Williams Validated date: 9/12/22

Linda Williams - Supervisor Analytical Services

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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
Thallium	<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	pCi/L	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: Linda Williams Validated date: 9/12/22

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF36888 **Location:** GW Well CGYP-1 **Date:** 06/21/2022 **Sample Collector:** DEW/ML

Loc. Code CGYP-1 **Time:** 10:04

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<10	ug/L	08/16/2022	R&C	EPA 6020B
Barium	23.0	ug/L	08/05/2022	R&C	EPA 6010D
Beryllium	6.0	ug/L	08/16/2022	R&C	EPA 6020B
Calcium	200.0	ug/L	08/16/2022	R&C	EPA 6010D
Cadmium	<4	ug/L	08/16/2022	R&C	EPA 6010D
Cobalt	33.00	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	09/09/2022	EUROFINS SAV	EPA 6020B
Selenium	<50	ug/L	08/05/2022	R&C	EPA 6010D
Thallium	<1	ug/L	08/16/2022	R&C	EPA 6020B
Boron	4200.0	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
Total Dissolved Solids	1771	mg/L	06/24/2022	AMSOULE	SM 2540C
Fluoride	0.91	mg/L	06/24/2022	KCWELLS	EPA 300.0
Chloride	686	mg/L	06/24/2022	KCWELLS	EPA 300.0
Sulfate	359	mg/L	06/24/2022	KCWELLS	EPA 300.0
Radium 226	1.40	pCi/L	07/12/2022	GEL	EPA 903.1 Mod
Radium 228	2.88	pCi/L	08/10/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	4.28	pCi/L	08/29/2022	GEL	EPA 903.1 Mod
pH	4.28	SU	06/21/2022	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 Validated date: 9/12/22

Linda Williams - Supervisor Analytical Services

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF36889 **Location:** GW Well CGYP-2 **Date:** 06/21/2022 **Sample Collector:** DEW/ML

Loc. Code CGYP-2 **Time:** 11:09

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<5	ug/L	08/16/2022	R&C	EPA 6020B
Barium	<10	ug/L	08/05/2022	R&C	EPA 6010D
Beryllium	3.0	ug/L	08/16/2022	R&C	EPA 6020B
Calcium	240.0	ug/L	08/16/2022	R&C	EPA 6010D
Cadmium	<4	ug/L	08/16/2022	R&C	EPA 6010D
Cobalt	18.00	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	09/09/2022	EUROFINS SAV	EPA 6020B
Selenium	<50	ug/L	08/05/2022	R&C	EPA 6010D
Thallium	<1	ug/L	08/16/2022	R&C	EPA 6020B
Boron	570.0	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
Total Dissolved Solids	1408	mg/L	06/24/2022	AMSOULE	SM 2540C
Fluoride	0.93	mg/L	06/24/2022	KCWELLS	EPA 300.0
Chloride	66.4	mg/L	06/24/2022	KCWELLS	EPA 300.0
Sulfate	881	mg/L	06/24/2022	KCWELLS	EPA 300.0
Radium 226	0.891	pCi/L	07/12/2022	GEL	EPA 903.1 Mod
Radium 228	1.50	pCi/L	08/10/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	2.39	pCi/L	08/29/2022	GEL	EPA 903.1 Mod
pH	4.01	SU	06/21/2022	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 Validated date: 9/12/22

Linda Williams - Supervisor Analytical Services

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF36890 **Location:** GW Well CGYP-2 **Date:** 06/21/2022 **Sample Collector:** DEW/ML

Loc. Code CGYP-2 DUP **Time:** 11:14

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<5	ug/L	08/16/2022	R&C	EPA 6020B
Barium	<10	ug/L	08/05/2022	R&C	EPA 6010D
Beryllium	3.0	ug/L	08/16/2022	R&C	EPA 6020B
Calcium	240.0	ug/L	08/16/2022	R&C	EPA 6010D
Cadmium	<4	ug/L	08/16/2022	R&C	EPA 6010D
Cobalt	18.00	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	09/09/2022	EUROFINS SAV	EPA 6020B
Selenium	<50	ug/L	08/05/2022	R&C	EPA 6010D
Thallium	<1	ug/L	08/16/2022	R&C	EPA 6020B
Boron	570.0	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
Total Dissolved Solids	1411	mg/L	06/24/2022	AMSOULE	SM 2540C
Fluoride	0.85	mg/L	06/30/2022	KCWELLS	EPA 300.0
Chloride	67.5	mg/L	06/30/2022	KCWELLS	EPA 300.0
Sulfate	870	mg/L	06/30/2022	KCWELLS	EPA 300.0
Radium 226	0.581	pCi/L	07/12/2022	GEL	EPA 903.1 Mod
Radium 228	1.02	pCi/L	08/10/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	1.60	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: Linda Williams Validated date: 9/12/22

Linda Williams - Supervisor Analytical Services

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF36891 **Location:** GW Well CGYP-3 **Date:** 06/21/2022 **Sample Collector:** DEW/ML

Loc. Code CGYP-3 **Time:** 12:31

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<10	ug/L	08/16/2022	R&C	EPA 6020B
Barium	17.0	ug/L	08/05/2022	R&C	EPA 6010D
Beryllium	17.0	ug/L	08/16/2022	R&C	EPA 6020B
Calcium	460.0	ug/L	08/16/2022	R&C	EPA 6010D
Cadmium	<4	ug/L	08/16/2022	R&C	EPA 6010D
Cobalt	55.00	ug/L	08/16/2022	R&C	EPA 6020B
Chromium	<5	ug/L	08/16/2022	R&C	EPA 6020B
Lead	11.0	ug/L	08/16/2022	R&C	EPA 6010D
Antimony	<5	ug/L	09/09/2022	EUROFINS SAV	EPA 6020B
Selenium	<50	ug/L	08/05/2022	R&C	EPA 6010D
Thallium	<1	ug/L	08/16/2022	R&C	EPA 6020B
Boron	9900.0	ug/L	08/16/2022	R&C	EPA 6010D
Lithium	29.0	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
Total Dissolved Solids	2952	mg/L	06/24/2022	AMSOULE	SM 2540C
Fluoride	1.94	mg/L	06/30/2022	KCWELLS	EPA 300.0
Chloride	841	mg/L	06/30/2022	KCWELLS	EPA 300.0
Sulfate	966	mg/L	06/30/2022	KCWELLS	EPA 300.0
Radium 226	1.10	pCi/L	07/12/2022	GEL	EPA 903.1 Mod
Radium 228	4.26	pCi/L	08/10/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	5.36	pCi/L	08/29/2022	GEL	EPA 903.1 Mod
pH	3.87	SU	06/21/2022	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 Validated date: 9/12/22

Linda Williams - Supervisor Analytical Services

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF36892 **Location:** GW Well CGYP-4 **Date:** 06/21/2022 **Sample Collector:** DEW/ML

Loc. Code CGYP-4 **Time:** 13:23

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<10	ug/L	08/16/2022	R&C	EPA 6020B
Barium	19.0	ug/L	08/05/2022	R&C	EPA 6010D
Beryllium	13.0	ug/L	08/16/2022	R&C	EPA 6020B
Calcium	270.0	ug/L	08/16/2022	R&C	EPA 6010D
Cadmium	<4	ug/L	08/16/2022	R&C	EPA 6010D
Cobalt	33.00	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	09/09/2022	EUROFINS SAV	EPA 6020B
Selenium	<50	ug/L	08/05/2022	R&C	EPA 6010D
Thallium	<1	ug/L	08/16/2022	R&C	EPA 6020B
Boron	4300.0	ug/L	08/16/2022	R&C	EPA 6010D
Lithium	39.0	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
Total Dissolved Solids	1676	mg/L	06/24/2022	AMSOULE	SM 2540C
Fluoride	1.56	mg/L	06/30/2022	KCWELLS	EPA 300.0
Chloride	445	mg/L	06/30/2022	KCWELLS	EPA 300.0
Sulfate	576	mg/L	06/30/2022	KCWELLS	EPA 300.0
Radium 226	0.415	pCi/L	07/12/2022	GEL	EPA 903.1 Mod
Radium 228	2.82	pCi/L	08/10/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	3.24	pCi/L	08/29/2022	GEL	EPA 903.1 Mod
pH	3.89	SU	06/21/2022	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 Validated date: 9/12/22

Linda Williams - Supervisor Analytical Services

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF36893 **Location:** GW Well CGYP-6 **Date:** 06/21/2022 **Sample Collector:** DEW/ML

Loc. Code CGYP-6 **Time:** 14:23

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<10	ug/L	08/16/2022	R&C	EPA 6020B
Barium	290	ug/L	08/05/2022	R&C	EPA 6010D
Beryllium	19.0	ug/L	08/16/2022	R&C	EPA 6020B
Calcium	430.0	ug/L	08/16/2022	R&C	EPA 6010D
Cadmium	<4	ug/L	08/16/2022	R&C	EPA 6010D
Cobalt	117.00	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	09/09/2022	EUROFINS SAV	EPA 6020B
Selenium	<50	ug/L	08/05/2022	R&C	EPA 6010D
Thallium	<1	ug/L	08/16/2022	R&C	EPA 6020B
Boron	6100.0	ug/L	08/16/2022	R&C	EPA 6010D
Lithium	100	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
Total Dissolved Solids	3210	mg/L	06/24/2022	AMSOULE	SM 2540C
Fluoride	0.93	mg/L	06/30/2022	KCWELLS	EPA 300.0
Chloride	1070	mg/L	06/30/2022	KCWELLS	EPA 300.0
Sulfate	106	mg/L	06/30/2022	KCWELLS	EPA 300.0
Radium 226	2.04	pCi/L	07/12/2022	GEL	EPA 903.1 Mod
Radium 228	2.25	pCi/L	08/12/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	4.30	pCi/L	08/29/2022	GEL	EPA 903.1 Mod
pH	3.82	SU	06/21/2022	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 Validated date: 9/12/22

Linda Williams - Supervisor Analytical Services

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF47633 **Location:** GW Well PM-1 **Date:** 10/25/2022 **Sample Collector:** WJK/ML

Loc. Code PM-1 **Time:** 09:27

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

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 Validated date:12/13/22

Linda Williams - Manager Analytical Services

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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/l	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: Linda Williams Validated date:12/13/22

Linda Williams - Manager Analytical Services

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF47646 **Location:** GW Well CGYP-1 **Date:** 10/26/2022 **Sample Collector:** WJK/ML

Loc. Code CGYP-1 **Time:** 10:30

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	4.72	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B
Barium	46.9	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Beryllium	11.2	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Calcium	193.0	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D
Cadmium	2.2	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Cobalt	52.30	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Lead	8.9	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Selenium	26	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Boron	12600	ug/L	11/21/2022	SJHATCHE	EPA 6010D
Lithium	8.93	ug/L	11/17/2022	SJHATCHE	EPA 6010D
Molybdenum	<5.00	ug/L	11/17/2022	SJHATCHE	EPA 6010D
Mercury	<0.2	ug/L	12/09/2022	EUROFINS SAV	EPA 7470
Iron	133000	ug/l	11/08/2022	EUROFINS SAV	EPA 6010D
Potassium	3.85	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D
Sodium	57.0	mg/L	11/08/2022	EUROFINS SAV	EPA 6010D
Magnesium	43.0	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D
Manganese	468.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Sulfide	<0.1	mg/L	10/31/2022	GEL	EPA 9034
Total Organic Carbon	6.88	mg/L	11/02/2022	GEL	SM 5310B
Dissoloved Organic Carbon	7.75	mg/L	11/03/2022	GEL	SM 5310B
Nitrate-Nitrite Cadmium Reduction	0.152	mg/L	11/04/2022	GEL	EPA 353.2
Fluoride	0.53	mg/L	11/02/2022	KCWELLS	EPA 300.0
Chloride	733	mg/L	11/02/2022	KCWELLS	EPA 300.0
Sulfate	458	mg/L	11/02/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	1894	mg/L	11/03/2022	KCWELLS	SM 2540C
Radium 226	1.40	pCi/L	11/06/2022	GEL	EPA 903.1 Mod
Radium 228	2.13	pCi/L	11/04/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	3.53	pCi/L	11/07/2022	GEL	EPA 903.1 Mod
pH	4.01	SU	10/26/2022	WJK/ML	
Alkalinity	<4	mg/L	11/08/2022	GEL	SM 2320B
Alkalinity as CaCO3	<4	mg/L	11/08/2022	GEL	SM2320B
Bicarbonate Alkalinity	<4	mg/L	11/08/2022	GEL	SM 2320B
Beryllium Dissolved	10	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Cobalt Dissolved	44	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Lithium Dissolved	21	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D
Iron - Dissolved	162000	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B
Manganese Dissolved	391	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: Linda Williams Validated date:12/13/22

Linda Williams - Manager Analytical Services

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF47647 **Location:** GW Well CGYP-2 **Date:** 10/25/2022 **Sample Collector:** WJK/ML

Loc. Code CGYP-2 **Time:** 15:16

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B
Barium	18.3	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Beryllium	4.3	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Calcium	214.0	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D
Cadmium	1.4	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Cobalt	21.50	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Lead	25.1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Selenium	27	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Boron	1140	ug/L	11/17/2022	SJHATCHE	EPA 6010D
Lithium	<5.00	ug/L	11/17/2022	SJHATCHE	EPA 6010D
Molybdenum	<5.00	ug/L	11/17/2022	SJHATCHE	EPA 6010D
Mercury	<0.2	ug/L	12/09/2022	EUROFINS SAV	EPA 7470
Iron	63500	ug/l	11/08/2022	EUROFINS SAV	EPA 6010D
Potassium	2.35	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D
Sodium	8.25	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D
Magnesium	18.6	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D
Manganese	325.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Sulfide	<0.1	mg/L	10/31/2022	GEL	EPA 9034
Total Organic Carbon	8.45	mg/L	11/02/2022	GEL	SM 5310B
Dissoloved Organic Carbon	9.00	mg/L	11/03/2022	GEL	SM 5310B
Nitrate-Nitrite Cadmium Reduction	<0.1	mg/L	11/04/2022	GEL	EPA 353.2
Fluoride	0.42	mg/L	11/02/2022	KCWELLS	EPA 300.0
Chloride	57.3	mg/L	11/02/2022	KCWELLS	EPA 300.0
Sulfate	914	mg/L	11/02/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	1454	mg/L	11/03/2022	KCWELLS	SM 2540C
Radium 226	0.708	pCi/L	11/06/2022	GEL	EPA 903.1 Mod
Radium 228	4.41	pCi/L	11/04/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	5.12	pCi/L	11/07/2022	GEL	EPA 903.1 Mod
pH	3.80	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	4	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Cobalt Dissolved	19	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Lithium Dissolved	15	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D
Iron - Dissolved	71400	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B
Manganese Dissolved	289	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: Linda Williams Validated date:12/13/22

Linda Williams - Manager Analytical Services

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF47648 **Location:** GW Well CGYP-2 **Date:** 10/25/2022 **Sample Collector:** WJK/ML

Loc. Code CGYP-2 DUP **Time:** 15:21

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B
Barium	17.8	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Beryllium	4.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Calcium	213.0	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D
Cadmium	1.7	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Cobalt	20.40	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Lead	24.3	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Selenium	28	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Boron	1050	ug/L	11/17/2022	SJHATCHE	EPA 6010D
Lithium	<5.00	ug/L	11/17/2022	SJHATCHE	EPA 6010D
Molybdenum	<5.00	ug/L	11/17/2022	SJHATCHE	EPA 6010D
Mercury	<0.2	ug/L	12/09/2022	EUROFINS SAV	EPA 7470
Iron	62800	ug/l	11/08/2022	EUROFINS SAV	EPA 6010D
Potassium	2.31	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D
Sodium	8.23	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D
Magnesium	18.6	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D
Manganese	314.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Sulfide	<0.1	mg/L	10/31/2022	GEL	EPA 9034
Total Organic Carbon	8.10	mg/L	11/02/2022	GEL	SM 5310B
Dissoloved Organic Carbon	9.10	mg/L	11/03/2022	GEL	SM 5310B
Nitrate-Nitrite Cadmium Reduction	<0.1	mg/L	11/04/2022	GEL	EPA 353.2
Fluoride	0.55	mg/L	11/02/2022	KCWELLS	EPA 300.0
Chloride	57.5	mg/L	11/02/2022	KCWELLS	EPA 300.0
Sulfate	919	mg/L	11/02/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	1481	mg/L	11/03/2022	KCWELLS	SM 2540C
Radium 226	0.665	pCi/L	11/06/2022	GEL	EPA 903.1 Mod
Radium 228	3.69	pCi/L	11/04/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	4.35	pCi/L	11/07/2022	GEL	EPA 903.1 Mod
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	4	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Cobalt Dissolved	19	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Lithium Dissolved	15	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D
Iron - Dissolved	68100	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B
Manganese Dissolved	284	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: Linda Williams Validated date:12/13/22

Linda Williams - Manager Analytical Services

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF47649 **Location:** GW Well CGYP-3 **Date:** 10/25/2022 **Sample Collector:** WJK/ML

Loc. Code CGYP-3 **Time:** 14:11

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	7	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B
Barium	42.2	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Beryllium	34.5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Calcium	415.0	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D
Cadmium	1.9	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Cobalt	95.60	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Chromium	9	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Lead	29.8	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Selenium	19	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Boron	16600	ug/L	11/21/2022	SJHATCHE	EPA 6010D
Lithium	51.7	ug/L	11/17/2022	SJHATCHE	EPA 6010D
Molybdenum	<5.00	ug/L	11/17/2022	SJHATCHE	EPA 6010D
Mercury	<0.2	ug/L	12/09/2022	EUROFINS SAV	EPA 7470
Iron	171000	ug/l	11/08/2022	EUROFINS SAV	EPA 6010D
Potassium	2.30	mg/L	11/08/2022	EUROFINS SAV	EPA 6010D
Sodium	73.3	mg/L	11/08/2022	EUROFINS SAV	EPA 6010D
Magnesium	20.6	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D
Manganese	471.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Sulfide	<0.1	mg/L	10/31/2022	GEL	EPA 9034
Total Organic Carbon	17.0	mg/L	11/02/2022	GEL	SM 5310B
Dissoloved Organic Carbon	18.2	mg/L	11/03/2022	GEL	SM 5310B
Nitrate-Nitrite Cadmium Reduction	0.332	mg/L	11/04/2022	GEL	EPA 353.2
Fluoride	1.06	mg/L	11/02/2022	KCWELLS	EPA 300.0
Chloride	842	mg/L	11/02/2022	KCWELLS	EPA 300.0
Sulfate	885	mg/L	11/02/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	2835	mg/L	11/03/2022	KCWELLS	SM 2540C
Radium 226	0.568	pCi/L	11/06/2022	GEL	EPA 903.1 Mod
Radium 228	6.11	pCi/L	11/07/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	6.68	pCi/L	11/07/2022	GEL	EPA 903.1 Mod
pH	3.56	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	31	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Cobalt Dissolved	83	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Lithium Dissolved	65	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D
Iron - Dissolved	192000	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B
Manganese Dissolved	411	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: Linda Williams Validated date:12/13/22

Linda Williams - Manager Analytical Services

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF47650 **Location:** GW Well CGYP-4 **Date:** 10/25/2022 **Sample Collector:** WJK/ML

Loc. Code CGYP-4 **Time:** 12:46

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	4.10	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B
Barium	30.6	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Beryllium	18.8	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Calcium	231.0	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D
Cadmium	0.8	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Cobalt	41.50	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Lead	13.4	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Selenium	8.56	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Boron	6130	ug/L	11/17/2022	SJHATCHE	EPA 6010D
Lithium	71.2	ug/L	11/17/2022	SJHATCHE	EPA 6010D
Molybdenum	<5.00	ug/L	11/17/2022	SJHATCHE	EPA 6010D
Mercury	<0.4	ug/L	12/09/2022	EUROFINS SAV	EPA 7470
Iron	81000	ug/l	11/08/2022	EUROFINS SAV	EPA 6010D
Potassium	2.46	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D
Sodium	67.7	mg/L	11/08/2022	EUROFINS SAV	EPA 6010D
Magnesium	12.0	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D
Manganese	316.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Sulfide	<0.1	mg/L	10/31/2022	GEL	EPA 9034
Total Organic Carbon	11.0	mg/L	11/02/2022	GEL	SM 5310B
Dissoloved Organic Carbon	11.9	mg/L	11/03/2022	GEL	SM 5310B
Nitrate-Nitrite Cadmium Reduction	<0.1	mg/L	11/04/2022	GEL	EPA 353.2
Fluoride	0.99	mg/L	11/02/2022	KCWELLS	EPA 300.0
Chloride	495	mg/L	11/02/2022	KCWELLS	EPA 300.0
Sulfate	652	mg/L	11/02/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	1585	mg/L	11/03/2022	KCWELLS	SM 2540C
Radium 226	0.738	pCi/L	11/06/2022	GEL	EPA 903.1 Mod
Radium 228	3.03	pCi/L	11/04/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	3.77	pCi/L	11/07/2022	GEL	EPA 903.1 Mod
pH	3.69	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	16	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Cobalt Dissolved	38	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Lithium Dissolved	54	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D
Iron - Dissolved	86500	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B
Manganese Dissolved	280	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: Linda Williams Validated date:12/13/22

Linda Williams - Manager Analytical Services

santee cooper

One Riverwood Drive
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Moncks Corner, SC 29461-2901
(843) 761-8000

SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF47651 **Location:** GW Well CGYP-6 **Date:** 10/25/2022 **Sample Collector:** WJK/ML

Loc. Code CGYP-6 **Time:** 11:40

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B
Barium	465	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Beryllium	27.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Calcium	370.0	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D
Cadmium	0.6	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Cobalt	156.00	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Lead	2.8	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Selenium	<2.5	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Boron	5710	ug/L	11/22/2022	SJHATCHE	EPA 6010D
Lithium	148	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	30400	ug/l	11/08/2022	EUROFINS SAV	EPA 6010D
Potassium	1.83	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D
Sodium	87.0	mg/L	11/08/2022	EUROFINS SAV	EPA 6010D
Magnesium	13.1	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D
Manganese	162.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Sulfide	<0.1	mg/L	10/31/2022	GEL	EPA 9034
Total Organic Carbon	3.17	mg/L	11/02/2022	GEL	SM 5310B
Dissoloved Organic Carbon	3.73	mg/L	11/03/2022	GEL	SM 5310B
Nitrate-Nitrite Cadmium Reduction	<0.1	mg/L	11/04/2022	GEL	EPA 353.2
Fluoride	0.49	mg/L	11/02/2022	KCWELLS	EPA 300.0
Chloride	896	mg/L	11/02/2022	KCWELLS	EPA 300.0
Sulfate	89.3	mg/L	11/02/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	2902	mg/L	11/03/2022	KCWELLS	SM 2540C
Radium 226	2.15	pCi/L	11/06/2022	GEL	EPA 903.1 Mod
Radium 228	4.02	pCi/L	11/04/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	6.17	pCi/L	11/07/2022	GEL	EPA 903.1 Mod
pH	3.56	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	25	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Cobalt Dissolved	133	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Lithium Dissolved	106	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D
Iron - Dissolved	33500	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B
Manganese Dissolved	140	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: Linda Williams Validated date:12/13/22

Linda Williams - Manager Analytical Services

santee cooper

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Moncks Corner, SC 29461-2901
(843) 761-8000

SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF47652 **Location:** GW Well CGYP-7 **Date:** 10/26/2022 **Sample Collector:** WJK/ML

Loc. Code CGYP-7 **Time:** 09:24

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	6	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B
Barium	28.1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Beryllium	11.7	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Calcium	320.0	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D
Cadmium	3.2	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Cobalt	79.70	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Lead	55.1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Selenium	46	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Boron	11800	ug/L	11/22/2022	SJHATCHE	EPA 6010D
Lithium	7.85	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	114000	ug/l	11/08/2022	EUROFINS SAV	EPA 6010D
Potassium	4.21	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D
Sodium	80.2	mg/L	11/09/2022	EUROFINS SAV	EPA 6010D
Magnesium	68.2	mg/l	11/09/2022	EUROFINS SAV	EPA 6010D
Manganese	1050.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Sulfide	<0.1	mg/L	10/31/2022	GEL	EPA 9034
Total Organic Carbon	11.1	mg/L	11/02/2022	GEL	SM 5310B
Dissoloved Organic Carbon	11.9	mg/L	11/03/2022	GEL	SM 5310B
Nitrate-Nitrite Cadmium Reduction	0.115	mg/L	11/04/2022	GEL	EPA 353.2
Fluoride	0.66	mg/L	11/02/2022	KCWELLS	EPA 300.0
Chloride	797	mg/L	11/02/2022	KCWELLS	EPA 300.0
Sulfate	894	mg/L	11/02/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	2545	mg/L	11/03/2022	KCWELLS	SM 2540C
Radium 226	1.38	pCi/L	11/06/2022	GEL	EPA 903.1 Mod
Radium 228	4.67	pCi/L	11/07/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	6.04	pCi/L	11/07/2022	GEL	EPA 903.1 Mod
pH	3.69	SU	10/26/2022	WJK/ML	
Alkalinity	<4	mg/L	11/08/2022	GEL	SM 2320B
Alkalinity as CaCO3	<4	mg/L	11/08/2022	GEL	SM2320B
Bicarbonate Alkalinity	<4	mg/L	11/08/2022	GEL	SM 2320B
Beryllium Dissolved	12	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Cobalt Dissolved	68	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Lithium Dissolved	14	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D
Iron - Dissolved	141000	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B
Manganese Dissolved	885	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: Linda Williams Validated date:12/13/22

Linda Williams - Manager Analytical Services

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF50608 **Location:** GW Well CGYP-7 **Date:** 12/07/2022 **Sample Collector:** WJK/BM

Loc. Code CGYP-7 **Time:** 13:42

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	6.1	ug/l	12/13/2022	EUROFINS SAV	EPA 6020B
Barium	24.8	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Beryllium	11.6	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Calcium	303.0	mg/l	12/13/2022	EUROFINS SAV	EPA 6010D
Cadmium	3.0	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Cobalt	75.2	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Lead	47.3	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Selenium	55.80	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Boron	11500	ug/L	01/04/2023	SJHATCHE	EPA 6010D
Lithium	<5.00	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	112000	ug/l	12/13/2022	EUROFINS SAV	EPA 6010D
Fluoride	<0.10	mg/L	12/15/2022	KCWELLS	EPA 300.0
Chloride	761	mg/L	12/15/2022	KCWELLS	EPA 300.0
Sulfate	920	mg/L	12/15/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	2554	mg/L	12/15/2022	SJBROWN	SM 2540C
Radium 226	2.94	pCi/L	12/19/2022	GEL	EPA 903.1 Mod
Radium 228	2.88	pCi/L	12/30/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	5.82	pCi/L	01/09/2023	GEL	EPA 903.1 Mod
pH	3.85	SU	12/06/2022	MDG	
Copper	<5	ug/l	12/13/2022	EUROFINS SAV	EPA 6020B
Nickel	36.1	ug/l	12/13/2022	EUROFINS SAV	EPA 6020B
Zinc	55	ug/l	12/13/2022	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: 1/25/23

Linda Williams - Manager Analytical Services

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Moncks Corner, SC 29461-2901
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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF50609 **Location:** GW Well CGYP-7 **Date:** 12/07/2022 **Sample Collector:** WJK/BM

Loc. Code CGYP-7 DUP **Time:** 13:47

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	9.2	ug/l	12/13/2022	EUROFINS SAV	EPA 6020B
Barium	24.9	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Beryllium	14.7	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Calcium	307.0	mg/l	12/13/2022	EUROFINS SAV	EPA 6010D
Cadmium	2.2	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Cobalt	78.6	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Lead	48.3	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Selenium	56.90	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Boron	11500	ug/L	01/04/2023	SJHATCHE	EPA 6010D
Lithium	<5.00	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	114000	ug/l	12/13/2022	EUROFINS SAV	EPA 6010D
Fluoride	<0.10	mg/L	12/15/2022	KCWELLS	EPA 300.0
Chloride	808	mg/L	12/15/2022	KCWELLS	EPA 300.0
Sulfate	997	mg/L	12/15/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	2544	mg/L	12/15/2022	SJBROWN	SM 2540C
Radium 226	4.03	pCi/L	12/19/2022	GEL	EPA 903.1 Mod
Radium 228	2.04	pCi/L	12/30/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	6.07	pCi/L	01/09/2023	GEL	EPA 903.1 Mod
Copper	<5	ug/l	12/13/2022	EUROFINS SAV	EPA 6020B
Nickel	38.0	ug/l	12/13/2022	EUROFINS SAV	EPA 6020B
Zinc	55	ug/l	12/13/2022	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: Linda Williams Validated date: 1/25/23

Linda Williams - Manager Analytical Services

GEL Laboratories LLC
a member of The GEL Group INC

PO Box 30712 Charleston, SC 29417
2040 Savage Road Charleston, SC 29407
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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

Grace Bodiford for
Julie Robinson
Project Manager

Purchase Order: 367074
Enclosures

GEL LABORATORIES LLC
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.

Reviewed by Grace Bodiford

GEL LABORATORIES LLC
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:	AF24776	Project:	SOOP00119
Sample ID:	568465001	Client ID:	SOOP001
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	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228		1.80	+/-0.952	1.34	3.00	pCi/L			JXC9	02/10/22	1047	2225013	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		2.44	+/-1.03			pCi/L		1	NXL1	02/21/22	1146	2225022	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.644	+/-0.386	0.507	1.00	pCi/L			LXP1	02/11/22	1011	2222580	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 Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			85.5	(15%-125%)

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

Column headers are defined as follows:

DF: Dilution Factor	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

GEL LABORATORIES LLC
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	Project:	SOOP00119
Sample ID:	568465002	Client ID:	SOOP001
Matrix:	Ground Water		
Collect Date:	24-JAN-22 11:40		
Receive Date:	25-JAN-22		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "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-228 Calculation "See Parent 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, Liquid "As Received"													
Radium-226		2.14	+/-0.545	0.365	1.00	pCi/L			LXP1	02/11/22	1011	2222580	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 Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			82.5	(15%-125%)

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

Column headers are defined as follows:

DF: Dilution Factor	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

GEL LABORATORIES LLC
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	Anlst	Date	Time
Rad Gas Flow											
Batch 2225013											
QC1205011122 568465001 DUP											
Radium-228		1.80		2.82	pCi/L	44.1		(0% - 100%)	JXC9	02/10/22	10:46
	Uncertainty	+/-0.952		+/-1.36							
QC1205011123 LCS											
Radium-228	48.7			36.7	pCi/L		75.3	(75%-125%)		02/10/22	10:47
	Uncertainty			+/-2.69							
QC1205011121 MB											
Radium-228			U	0.432	pCi/L					02/10/22	10:46
	Uncertainty			+/-0.912							
Rad Ra-226											
Batch 2222580											
QC1205006430 568465001 DUP											
Radium-226		0.644		0.305	pCi/L	71.4		(0% - 100%)	LXP1	02/11/22	10:11
	Uncertainty	+/-0.386		+/-0.236							
QC1205006433 LCS											
Radium-226	26.6			23.8	pCi/L		89.5	(75%-125%)		02/11/22	10:55
	Uncertainty			+/-1.77							
QC1205006428 MB											
Radium-226			U	0.161	pCi/L					02/11/22	10:11
	Uncertainty			+/-0.167							
QC1205006432 568465001 MS											
Radium-226	134	0.644		134	pCi/L		99.6	(75%-125%)		02/11/22	10:55
	Uncertainty	+/-0.386		+/-9.69							

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.

QC Summary

Workorder: 568465

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

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.
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 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.

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.

RAD 2/22/22

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

Chain of Custody

548463
548465

santee cooper

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

Customer Email/Report Recipient: LCWILLIA@santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 121567 / JM02.09.G01 / 36500

Rerun request for any flagged QC Yes No

Analysis 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)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	TOC	RAD 226	RAD 228	TOTAL RAD CALC
AF24794	CLFIB-1	1/24/22	1329	BRT/BSB	1	G	G	GW	1/4		1			
95	CLFIB-1 DUP	|	1334	|	|	|	|	|	|		|			
96	CLFIB-2	|	1443	|	|	|	|	|	|		|			
97	CLFIB-3	|	1612	|	|	|	|	|	|		|			
98	CLFIB-4	|	1739	|	⊥	⊥	|	|	⊥		|			
AF24776	CBW-1	|	0954	|	3	P/G	|	|	1/4 / 1/2		|	1	1	X
801	PM-1	⊥	1140	⊥	3	⊥	⊥	⊥	⊥		⊥	1	1	X

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
SJBrown	35594	1/25/22	0908	[signature]	GEL	1/25/22	0908
[signature]	GEL	1-25-22	1547	[signature]	GEL	1-25-22	~~0935~~ 1547

Sample Receiving (Internal Use Only)
TEMP (°C): ______ **Initial:** ______
Correct pH: Yes No
Preservative Lot#:
Date/Time/Init for preservative:

☐ **METALS (all)**

☐ Ag	☐ Cu	☐ Sb
☐ Al	☐ Fe	☐ Se
☐ As	☐ K	☐ Sn
☐ B	☐ Li	☐ Sr
☐ Ba	☐ Mg	☐ Ti
☐ Be	☐ Mn	☐ Tl
☐ Ca	☐ Mo	☐ V
☐ Cd	☐ Na	☐ Zn
☐ Co	☐ Ni	☐ Hg
☐ Cr	☐ Pb	☐ CrVI

Nutrients
☐ TOC
☐ DOC
☐ TP/TPO4
☐ NH3-N
☐ F
☐ Cl
☐ NO2
☐ Br
☐ NO3
☐ SO4

MISC.
☐ BTEX
☐ Napthalene
☐ THM/HAA
☐ VOC
☐ Oil & Grease
☐ E. Coli
☐ Total Coliform
☐ pH
☐ Dissolved As
☐ Dissolved Fe
☐ Rad 226
☐ Rad 228
☐ PCB

Gypsum
☐ Wallboard Gypsum(all below)
☐ AIM
☐ TOC
☐ Total metals
☐ Soluble Metals
☐ Purity (CaSO4)
☐ % Moisture
☐ Sulfites
☐ pH
☐ Chlorides
☐ Particle Size
☐ Sulfur

Coal
☐ Ultimate
☐ % Moisture
☐ Ash
☐ Sulfur
☐ BTUs
☐ Volatile Matter
☐ CHN
Other Tests:
☐ XRF Scan
☐ HGI
☐ Fineness
☐ Particulate Matter

Flyash
☐ Ammonia
☐ LOI
☐ % Carbon
☐ Mineral Analysis
☐ Sieve
☐ % Moisture

NPDES
☐ Oil & Grease
☐ As
☐ TSS

Oil
Trans. Oil Qual.
%Moisture
Color
Acidity
Dielectric Strength
IFT
Dissolved Gases
Used Oil
Flashpoint
Metals in oil (As,Cd,Cr,Ni,Pb,Hg)
TX
OTHER

Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler 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=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: SOOP	SDG/AR/COC/Work Order: 568463 / 568465
Received By: BE	Date Received: 1-25-22
Carrier and Tracking Number	Circle Applicable: 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?		✓	Hazard 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?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 (CPM / mR/Hr) Classified as: Rad 1 Rad 2 Rad 3
D) Did the client designate samples are hazardous?		✓	COC notation or hazard labels on containers equal client designation.
E) Did 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	No	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 ≤ 6 deg. C)?*	✓			Preservation Method: (Wet Ice) Ice Packs Dry ice None Other: *all temperatures are recorded in Celsius TEMP: 3
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 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? 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?	✓			
13	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 GB Date 1/26/22 Page 1 of 1

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
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

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(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
tyriek.hooks@pacelabs.com
(704)875-9092
Project Manager

Enclosures

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

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

SAMPLE ANALYTE COUNT

Project: 121567
Pace Project No.: 92585907

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92585907001	AF24794	EPA 6010D	KH	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
92585907011	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
92585907013	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
92585907015	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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

ANALYTICAL RESULTS

Project: 121567
Pace Project No.: 92585907

Sample: AF24794 **Lab ID: 92585907001** Collected: 01/24/22 13:29 Received: 02/02/22 11:00 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	ND	mg/L	0.040	1	02/12/22 11:59	02/13/22 19:58	7440-42-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

ANALYTICAL RESULTS

Project: 121567
Pace Project No.: 92585907

Sample: AF24795 **Lab ID: 92585907002** Collected: 01/24/22 13:34 Received: 02/02/22 11:00 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	ND	mg/L	0.040	1	02/12/22 11:59	02/13/22 20:27	7440-42-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

ANALYTICAL RESULTS

Project: 121567
Pace Project No.: 92585907

Sample: AF24796 **Lab ID: 92585907003** Collected: 01/24/22 14:43 Received: 02/02/22 11:00 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	ND	mg/L	0.040	1	02/12/22 11:59	02/13/22 20:32	7440-42-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

ANALYTICAL RESULTS

Project: 121567
Pace Project No.: 92585907

Sample: AF24797 **Lab ID: 92585907004** Collected: 01/24/22 16:12 Received: 02/02/22 11:00 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	**0.071**	mg/L	0.040	1	02/12/22 11:59	02/13/22 20:36	7440-42-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

ANALYTICAL RESULTS

Project: 121567
Pace Project No.: 92585907

Sample: AF24798 **Lab ID: 92585907005** Collected: 01/24/22 17:39 Received: 02/02/22 11:00 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	ND	mg/L	0.040	1	02/12/22 11:59	02/13/22 20:41	7440-42-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

ANALYTICAL RESULTS

Project: 121567
Pace Project No.: 92585907

Sample: AF24800 **Lab ID: 92585907006** Collected: 01/25/22 11:01 Received: 02/02/22 11:00 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	ND	mg/L	0.040	1	02/12/22 11:59	02/13/22 20:46	7440-42-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

ANALYTICAL RESULTS

Project: 121567
Pace Project No.: 92585907

Sample: AF24804 **Lab ID: 92585907007** Collected: 01/25/22 13:21 Received: 02/02/22 11:00 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	**0.24**	mg/L	0.040	1	02/12/22 11:59	02/13/22 20:51	7440-42-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

ANALYTICAL RESULTS

Project: 121567
Pace Project No.: 92585907

Sample: AF24799 **Lab ID: 92585907008** Collected: 01/25/22 10:06 Received: 02/02/22 11:00 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	ND	mg/L	0.040	1	02/12/22 11:59	02/13/22 20:55	7440-42-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

ANALYTICAL RESULTS

Project: 121567
Pace Project No.: 92585907

Sample: AF24802 **Lab ID: 92585907009** Collected: 01/25/22 13:42 Received: 02/02/22 11:00 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	ND	mg/L	0.040	1	02/12/22 11:59	02/13/22 21:10	7440-42-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

ANALYTICAL RESULTS

Project: 121567
Pace Project No.: 92585907

Sample: AF24776 **Lab ID: 92585907010** Collected: 01/25/22 09:54 Received: 02/02/22 11:00 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	ND	mg/L	0.040	1	02/12/22 11:59	02/13/22 21:14	7440-42-8	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville							
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 Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville							
Mercury	ND	ug/L	0.20	1	02/11/22 19:30	02/17/22 10:32	7439-97-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

ANALYTICAL RESULTS

Project: 121567
Pace Project No.: 92585907

Sample: AF24801 **Lab ID: 92585907011** Collected: 01/25/22 11:40 Received: 02/02/22 11:00 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	ND	mg/L	0.040	1	02/12/22 11:59	02/13/22 21:19	7440-42-8	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville							
Lithium	**3.7**	ug/L	0.50	1	02/08/22 09:53	02/16/22 16:07	7439-93-2	
Molybdenum	ND	ug/L	5.0	1	02/08/22 09:53	02/15/22 18:33	7439-98-7	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville							
Mercury	ND	ug/L	0.20	1	02/11/22 19:30	02/17/22 10:38	7439-97-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

ANALYTICAL RESULTS

Project: 121567
Pace Project No.: 92585907

Sample: AF24803 **Lab ID: 92585907012** Collected: 01/25/22 12:22 Received: 02/02/22 11:00 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	ND	mg/L	0.040	1	02/12/22 11:59	02/13/22 21:24	7440-42-8	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - 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	7439-98-7	
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville							
Mercury	ND	ug/L	0.20	1	02/11/22 19:30	02/17/22 10:40	7439-97-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

ANALYTICAL RESULTS

Project: 121567
Pace Project No.: 92585907

Sample: AF24805 **Lab ID: 92585907013** Collected: 01/25/22 15:04 Received: 02/02/22 11:00 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	**0.041**	mg/L	0.040	1	02/12/22 11:59	02/13/22 21:29	7440-42-8	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville							
Lithium	**10.4**	ug/L	0.50	1	02/08/22 09:53	02/16/22 16:13	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 Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville							
Mercury	ND	ug/L	0.20	1	02/11/22 19:30	02/17/22 10:42	7439-97-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

ANALYTICAL RESULTS

Project: 121567
Pace Project No.: 92585907

Sample: AF24806 **Lab ID: 92585907014** Collected: 01/26/22 10:30 Received: 02/02/22 11:00 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	ND	mg/L	0.040	1	02/12/22 11:59	02/13/22 21:34	7440-42-8	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Asheville							
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 Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville							
Mercury	ND	ug/L	0.20	1	02/11/22 19:30	02/17/22 10:44	7439-97-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

ANALYTICAL RESULTS

Project: 121567
Pace Project No.: 92585907

Sample: AF24807 **Lab ID: 92585907015** Collected: 01/26/22 10:35 Received: 02/02/22 11:00 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	ND	mg/L	0.040	1	02/12/22 11:59	02/13/22 21:38	7440-42-8	
6010 MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - 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 Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville							
Mercury	ND	ug/L	0.20	1	02/11/22 19:30	02/17/22 10:46	7439-97-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

QUALITY CONTROL DATA

Project: 121567
Pace Project No.: 92585907

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

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Boron	mg/L	ND	0.040	02/13/22 19:49	

LABORATORY CONTROL SAMPLE: 3548158

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	1	1.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3548159 3548160

Parameter	Units	92585907001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Boron	mg/L	ND	1	1	1.1	1.1	105	108	75-125	2	

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.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

QUALITY CONTROL DATA

Project: 121567
Pace Project No.: 92585907

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

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	02/17/22 10:27	

LABORATORY CONTROL SAMPLE: 3547269

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3547270 3547271

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

QUALITY CONTROL DATA

Project: 121567
Pace Project No.: 92585907

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

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

LABORATORY CONTROL SAMPLE: 3541610

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3541766 3541767

Parameter	Units	35693149001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Lithium	ug/L	3.5	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.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

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.

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 121567
Pace Project No.: 92585907

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 Revised: November 15, 2021 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.08	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:
Asheville [X] Eden [ ] Greenwood [ ] Huntersville [ ] Raleigh [ ] Mechanicsville [ ] Atlanta [ ] Kernersville [ ]

Sample Condition Upon Receipt

Client Name: Santee Cooper

Project #: WO# : 92585907

92585907

Courier: [ ] Commercial [ ] Fed Ex [X] UPS [ ] USPS [ ] Client [ ] Pace [ ] Other:____

Custody Seal Present? [ ] Yes [X] No Seals Intact? [ ] Yes [X] No

Date/Initials Person Examining Contents: 2-2-22 AR

Packing Material: [ ] Bubble Wrap [ ] Bubble Bags [X] None [ ] Other

Biological Tissue Frozen? [ ] Yes [ ] No [X] N/A

Thermometer: [X] IR Gun ID: NA

Type of Ice: [ ] Wet [ ] Blue [X] None

Cooler Temp: NA Correction Factor: Add/Subtract (°C) NA

Temp should be above freezing to 6°C
[ ] Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): NA

USDA Regulated Soil ([X] N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? [ ] Yes [X] No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? [ ] Yes [X] No

				Comments/Discrepancy:
Chain of Custody Present?	[X] Yes	[ ] No	[ ] N/A	1.
Samples Arrived within Hold Time?	[X] Yes	[ ] No	[ ] N/A	2.
Short Hold Time Analysis (<72 hr.)?	[ ] Yes	[X] No	[ ] N/A	3.
Rush Turn Around Time Requested?	[ ] Yes	[X] No	[ ] N/A	4.
Sufficient Volume?	[X] Yes	[ ] No	[ ] N/A	5.
Correct Containers Used?	[X] Yes	[ ] No	[ ] N/A	6.
-Pace Containers Used?	[X] Yes	[ ] No	[ ] N/A	
Containers Intact?	[X] Yes	[ ] No	[ ] N/A	7.
Dissolved analysis: Samples Field Filtered?	[ ] Yes	[ ] No	[X] N/A	8.
Sample Labels Match COC?	[X] Yes	[ ] No	[ ] N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WT				
Headspace in VOA Vials (>5-6mm)?	[ ] Yes	[ ] No	[X] N/A	10.
Trip Blank Present?	[ ] Yes	[ ] No	[X] N/A	11.
Trip Blank Custody Seals Present?	[ ] Yes	[ ] No	[X] N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? [ ] Yes [ ] No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

*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) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (3 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A – lab)	SPZT-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1																													
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3																													
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12																													

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.

*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 #

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH >12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH<2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH <2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA NaS2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (3 vials per kit)-5035 kit: (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)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																												
2																												
3																												
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9																												
10																												
11																												
12																												

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.

Contract Lab Info: PACE Contract Lab Due Date (Lab Only): 2 / 16 / 22 Send report to lcwillia@santeecooper.com & slbrown@santeecooper.com

Chain of Custody

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

Customer Email/Report Recipient: LCWILLIA @santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 121567 / JM02.09.G81 / 36500

Rerun request for any flagged QC: Yes No

92585907

	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)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	Analysis Group: B	Li	Mo	Hg
001	AF24794	CLF1B-1	1/24/22	1329	BRT/BSB	1	P	G	GW	2	B-6010 RL = NONE	X			
002	95	CLF1B-1 DUP		1334							Mo 6010 RL = 100 PPB	X			
003	96	CLF1B-2		1443							Li 6010 RL = 40 PPB	X			
004	97	CLF1B-3		1612							Hg 7470 RL = 2 PPB	X			
005	98	CLF1B-4		1739								X			
010	AF24776	CBW-1		0954							* PLEASE SEND SAMPLES	X	X	X	X
011	801	PM-1		1140							TO ATLANTA FOR BORON.	X	X	X	X
006	AF24800	CLF1B-5D	1/25/22	1101								X			
007	804	POZ-5D		1321								X			

Relinquished by	Employee #	Date	Time	Received by	Employee #	Date	Time
BJBrown	35594	2/1/22	1530				
				A. Kircher	PACE/AVL	2-2-22	1100

Sample Receiving (Internal Use Only)
TEMP (°C): NA Initial: AR
Correct pH: (Yes) No
Preservative Lot#:
Date/Time/Init for preservative:

METALS(all)		
☐ Ag	☐ Cu	☐ Sb
☐ Al	☐ Fe	☐ Se
☐ As	☐ K	☐ Sn
☐ B	☐ Li	☐ Sr
☐ Ba	☐ Mg	☐ Ti
☐ Be	☐ Mn	☐ Tl
☐ Ca	☐ Mo	☐ V
☐ Cd	☐ Na	☐ Zn
☐ Co	☐ Ni	☐ Hg
☐ Cr	☐ Pb	☐ CrVI

MISC.
- ☐ BTEX
- ☐ Naphthalene
- ☐ THM/HAA
- ☐ VOC
- ☐ Oil & Grease
- ☐ E. Coli
- ☐ Total Coliform
- ☐ pH
- ☐ Dissolved As
- ☐ Dissolved Fe
- ☐ Rad 226
- ☐ Rad 228
- ☐ PCB

Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler 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=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

Contract Lab Info: PA-ASHEVILLE Contract Lab Due Date (Lab Only): 2 / 16 / 22 Send report to lcwillia@santeecooper.com & slbrown@santeecooper.com

Chain of Custody

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

Customer Email/Report Recipient: LCWILLIA @santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 12567 / JM02.09.G01 / 36500

Rerun request for any flagged QC Yes No

Analysis 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)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	B	Li	Mo	Hg
008	AF24799	CLFIB-5	1/25/22	1006	BRT/BSB	1	P	G	GW	Z	B 6010 RL- NONE	X			
012	AF24803	POZ-4	"	1222	"	"	"	"	"	"	Mo 6010 RL= 100 PPB	X	X	X	X
013	" 805	POZ-6	"	1504	"	"	"	"	"	"	Li 6010 RL= 40 PPB	X	X	X	X
014	AF24806	POZ-7	1/26/22	1030	"	"	"	"	"	"	Hg 7470 RL= 2 PPB	X	X	X	X
015	AF24807	POZ-7 DUP	"	1035	"	"	"	"	"	"		X	X	X	X
009	AF24802	POZ-3	"	1342	"	"	"	"	"	"	*PLEASE SEND SAMPLES	X			
											TO ATLANTA FOR BORON.				

Relinquished by	Employee #	Date	Time	Received by	Employee #	Date	Time
SBrown	35594	2/1/22	1630				
Relinquished by	Employee #	Date	Time	Received by	Employee #	Date	Time
				A. Rucker	PACE/AVL	2-2-22	11:00
Relinquished by	Employee #	Date	Time	Received by	Employee #	Date	Time

Sample Receiving (Internal Use Only)
TEMP (°C): NA Initial: AR
Correct pH: (Yes) No
Preservative Lot#:
Date/Time/Init for preservative:

☐ METALS (all)

☐ Ag	☐ Cu	☐ Sb
☐ Al	☐ Fe	☐ Se
☐ As	☐ K	☐ Sn
☐ B	☐ Li	☐ Sr
☐ Ba	☐ Mg	☐ Ti
☐ Be	☐ Mn	☐ Tl
☐ Ca	☐ Mo	☐ V
☐ Cd	☐ Na	☐ Zn
☐ Co	☐ Ni	☐ Hg
☐ Cr	☐ Pb	☐ CrVI

MISC
☐ BTEX
☐ Napthalene
☐ THM/HAA
☐ VOC
☐ Oil & Grease
☐ E. Coli
☐ Total Coliform
☐ pH
☐ Dissolved As
☐ Dissolved Fe
☐ Rad 226
☐ Rad 228
☐ PCB

Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler 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=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

GEL Laboratories LLC
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 04, 2022

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

Re: ABS Lab Analytical
Work Order: 569496

Dear Ms. Gilmetti:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 04, 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 for
Julie Robinson
Project Manager

Purchase Order: 367074
Enclosures

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

Certificate of Analysis Report
for

SOOP001 Santee Cooper

Client SDG: 569496 GEL Work Order: 569496

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 Grace Bodiford

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

Certificate of Analysis

Report Date: March 4, 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:	AF24788	Project:	SOOP00119
Sample ID:	569496001	Client ID:	SOOP001
Matrix:	Ground Water		
Collect Date:	31-JAN-22 11:50		
Receive Date:	04-FEB-22		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228		5.86	+/-1.45	1.66	3.00	pCi/L			JXC9	03/04/22	0848	2227107	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		6.81	+/-1.51			pCi/L			NXL1	03/04/22	1032	2227108	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.954	+/-0.443	0.528	1.00	pCi/L			LXP1	02/28/22	1055	2227106	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 Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			86.4	(15%-125%)

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

Column headers are defined as follows:

DF: Dilution Factor	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

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

Certificate of Analysis

Report Date: March 4, 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:	AF24789	Project:	SOOP00119
Sample ID:	569496002	Client ID:	SOOP001
Matrix:	Ground Water		
Collect Date:	31-JAN-22 12:42		
Receive Date:	04-FEB-22		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228		2.33	+/-0.961	1.26	3.00	pCi/L			JXC9	03/04/22	0848	2227107	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		3.40	+/-1.05			pCi/L			NXL1	03/04/22	1032	2227108	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.07	+/-0.423	0.366	1.00	pCi/L			LXP1	02/28/22	0814	2227106	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 Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			89.4	(15%-125%)

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

Column headers are defined as follows:

DF: Dilution Factor	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

Report Date: March 4, 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:	AF24790	Project:	SOOP00119
Sample ID:	569496003	Client ID:	SOOP001
Matrix:	Ground Water		
Collect Date:	31-JAN-22 12:47		
Receive Date:	04-FEB-22		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228		2.46	+/-1.13	1.62	3.00	pCi/L			JXC9	03/04/22	0848	2227107	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		3.01	+/-1.18			pCi/L			NXL1	03/04/22	1032	2227108	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.555	+/-0.333	0.427	1.00	pCi/L			LXP1	02/28/22	0814	2227106	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 Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			87.8	(15%-125%)

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

Column headers are defined as follows:

DF: Dilution Factor	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

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

Certificate of Analysis

Report Date: March 4, 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: AF24791
Sample ID: 569496004
Matrix: Ground Water
Collect Date: 31-JAN-22 14:21
Receive Date: 04-FEB-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 Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228		5.39	+/-1.32	1.42	3.00	pCi/L			JXC9	03/04/22	0849	2227107	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		6.17	+/-1.38			pCi/L			NXL1	03/04/22	1032	2227108	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.784	+/-0.394	0.459	1.00	pCi/L			LXP1	02/28/22	0814	2227106	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 Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			89.6	(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
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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

Certificate of Analysis

Report Date: March 4, 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:	AF24792	Project:	SOOP00119
Sample ID:	569496005	Client ID:	SOOP001
Matrix:	Ground Water		
Collect Date:	31-JAN-22 15:17		
Receive Date:	04-FEB-22		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228		3.60	+/-1.54	2.27	3.00	pCi/L			JXC9	03/04/22	0849	2227107	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		4.85	+/-1.60			pCi/L			NXL1	03/04/22	1032	2227108	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.25	+/-0.440	0.383	1.00	pCi/L			LXP1	02/28/22	0814	2227106	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 Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			85.4	(15%-125%)

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

Column headers are defined as follows:

DF: Dilution Factor	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: March 4, 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:	AF24793	Project:	SOOP00119
Sample ID:	569496006	Client ID:	SOOP001
Matrix:	Ground Water		
Collect Date:	31-JAN-22 16:27		
Receive Date:	04-FEB-22		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228		2.92	+/-1.26	1.80	3.00	pCi/L			JXC9	03/04/22	0849	2227107	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		3.44	+/-1.33			pCi/L			NXL1	03/04/22	1032	2227108	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226	U	0.525	+/-0.402	0.606	1.00	pCi/L			LXP1	02/28/22	0814	2227106	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 Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			86.4	(15%-125%)

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

Column headers are defined as follows:

DF: Dilution Factor	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

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

Certificate of Analysis

Report Date: March 4, 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:	AF24808	Project:	SOOP00119
Sample ID:	569496007	Client ID:	SOOP001
Matrix:	Ground Water		
Collect Date:	31-JAN-22 10:29		
Receive Date:	04-FEB-22		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228	U	1.49	+/-1.02	1.58	3.00	pCi/L			JXC9	03/04/22	0849	2227107	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		1.64	+/-1.05			pCi/L			NXL1	03/04/22	1032	2227108	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226	U	0.152	+/-0.259	0.469	1.00	pCi/L			LXP1	02/28/22	0848	2227106	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 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:

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

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

QC Summary

Report Date: March 4, 2022

Santee Cooper
P.O. Box 2946101
OCO3
Moncks Corner, South Carolina

Contact: **Ms. Jeanette Gilmetti**

Workorder: **569496**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 2227107										
QC1205015371 569496001 DUP										
Radium-228		5.86		2.40	pCi/L	83.8		(0% - 100%)	JXC9	03/04/22 08:47
	Uncertainty	+/-1.45		+/-1.17						
QC1205015372 LCS										
Radium-228	47.3			42.4	pCi/L		89.7	(75%-125%)		03/04/22 08:48
	Uncertainty			+/-3.27						
QC1205015370 MB										
Radium-228			U	1.15	pCi/L					03/04/22 08:47
	Uncertainty			+/-1.11						
Rad Ra-226										
Batch 2227106										
QC1205015366 569496001 DUP										
Radium-226		0.954		0.878	pCi/L	8.31		(0% - 100%)	LXP1	02/28/22 11:30
	Uncertainty	+/-0.443		+/-0.406						
QC1205015368 LCS										
Radium-226	26.4			24.9	pCi/L		94.5	(75%-125%)		02/28/22 08:48
	Uncertainty			+/-1.75						
QC1205015365 MB										
Radium-226			U	0.0706	pCi/L					02/28/22 08:48
	Uncertainty			+/-0.259						
QC1205015367 569496001 MS										
Radium-226	170	0.954		141	pCi/L		82.8	(75%-125%)		02/28/22 08:48
	Uncertainty	+/-0.443		+/-11.4						

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.

QC Summary

Workorder: 569496

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

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.
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 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.

Radiochemistry
Technical Case Narrative
Santee Cooper
SDG #: 569496

Product: **GFPC, Ra228, Liquid**
Analytical Method: EPA 904.0/SW846 9320 Modified
Analytical Procedure: GL-RAD-A-063 REV# 5
Analytical Batch: 2227107

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

GEL Sample ID#	Client Sample Identification
569496001	AF24788
569496002	AF24789
569496003	AF24790
569496004	AF24791
569496005	AF24792
569496006	AF24793
569496007	AF24808
1205015370	Method Blank (MB)
1205015371	569496001(AF24788) Sample Duplicate (DUP)
1205015372	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
Samples were recounted to verify sample results. Recounts are reported.

Product: **Lucas Cell, Ra226, Liquid**
Analytical Method: EPA 903.1 Modified
Analytical Procedure: GL-RAD-A-008 REV# 15
Analytical Batch: 2227106

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

GEL Sample ID#	Client Sample Identification
569496001	AF24788
569496002	AF24789
569496003	AF24790
569496004	AF24791

569496005	AF24792
569496006	AF24793
569496007	AF24808
1205015365	Method Blank (MB)
1205015366	569496001(AF24788) Sample Duplicate (DUP)
1205015367	569496001(AF24788) Matrix Spike (MS)
1205015368	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, 1205015367 (AF24788MS), 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.

Contract Lab Info: GEL Contract Lab Due Date (Lab Only): 3 / 4 / 22 Send report to lcwillia@santeecooper.com & sibrown@santeecooper.com

Chain of Custody

569496

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

Customer Email/Report Recipient: LCWILLIA @santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 121567 / JM02.09.G01 / 36500

Rerun request for any flagged QC Yes No

Analysis 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)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	RAD 226	RAD 228	TOTAL RAD CALC	
AF24788	CGYP-1	1/31/22	1150	BRT/BSB	2	P	G	GW	2		1	1	X	
89	CGYP-2		1242											
90	CGYP-2 DUP		1247											
91	CGYP-3		1421											
92	CGYP-4		1517											
93	CGYP-6		1627											
AF24808	POZ-8		1029											

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
B Brown	35594	2/4/22	1117	K. Smith	GEL	2/4/22	1117
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
K. Smith		2/4/22	1255				
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
					967	2-4-22	1255

Sample Receiving (Internal Use Only)
TEMP (°C): _____ Initial: _____
Correct pH: Yes No
Preservative Lot#:
Date/Time/Init for preservative:

☐ METALS (all)		
☐ Ag	☐ Cu	☐ Sb
☐ Al	☐ Fe	☐ Se
☐ As	☐ K	☐ Sn
☐ B	☐ Li	☐ Sr
☐ Ba	☐ Mg	☐ Ti
☐ Be	☐ Mn	☐ Tl
☐ Ca	☐ Mo	☐ V
☐ Cd	☐ Na	☐ Zn
☐ Co	☐ Ni	☐ Hg
☐ Cr	☐ Pb	☐ CrVI

Nutrients
☐ TOC
☐ DOC
☐ TP/TPO4
☐ NH3-N
☐ F
☐ Cl
☐ NO2
☐ Br
☐ NO3
☐ SO4

MISC.
☐ BTEX
☐ Napthalene
☐ THM/HAA
☐ VOC
☐ Oil & Grease
☐ E. Coli
☐ Total Coliform
☐ pH
☐ Dissolved As
☐ Dissolved Fe
☐ Rad 226
☐ Rad 228
☐ PCB

Gypsum
☐ Wallboard Gypsum(all below)
☐ AIM
☐ TOC
☐ Total metals
☐ Soluble Metals
☐ Purity (CaSO4)
☐ % Moisture
☐ Sulfites
☐ pH
☐ Chlorides
☐ Particle Size
☐ Sulfur

Coal
☐ Ultimate
☐ % Moisture
☐ Ash
☐ Sulfur
☐ BTUs
☐ Volatile Matter
☐ CHN
Other Tests:
☐ XRF Scan
☐ HGI
☐ Fineness
☐ Particulate Matter

Flyash
☐ Ammonia
☐ LOI
☐ % Carbon
☐ Mineral Analysis
☐ Sieve
☐ % Moisture

NPDES
☐ Oil & Grease
☐ As
☐ TSS

Oil
Trans. Oil Qual.
%Moisture
Color
Acidity
Dielectric Strength
IFT
Dissolved Gases
Used Oil
Flashpoint
Metals in oil
PAs, Cd, Cr, Ni, Pb
Hg
TN
GOTER

Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler water, L-limestone, Oil-oil, S-Soil, SL-solid, C-coal, Gypsum, FA-flyash, BA-bottom ash, M-misc (describe in comment section)
Preservative code- 1=<4°C 2=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

JAR

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: SOOP	**SDG/AR/COC/Work Order:** 569496
Received By: DC	**Date Received:** 2-4-22
Carrier and Tracking Number	Circle Applicable: FedEx Express FedEx Ground UPS Field Services Courier Other GIB 2/7/22

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	Hazard 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	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		X	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM / mR/Hr **Classified as: Rad 1 Rad 2 Rad 3**
D) Did the client designate samples are hazardous?		X	COC notation or hazard labels on containers equal client designation.
E) Did the RSO identify possible hazards?		X	If D or E is yes, select Hazards below. 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?	✓			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)?*	✓			Preservation Method: Wet Ice Ice Packs Dry ice None Other: *all temperatures are recorded in Celsius TEMP: 3°
4	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: IR6-21 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? 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?	✓			
13	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 GIB Date 2/7/22 Page 1 of 1

GL-CHL-SR-001 Rev 7

List of current GEL Certifications as of 04 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

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(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
tyriek.hooks@pacelabs.com
(704)875-9092
Project Manager

Enclosures

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

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

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

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

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
92587561005	AF24792	EPA 6010D	KH	1	PASI-GA
		EPA 7470A	DBB1	1	PASI-A
92587561006	AF24793	EPA 6010D	KH	1	PASI-GA
		EPA 7470A	DBB1	1	PASI-A
92587561007	AF24808	EPA 6010D	KH	1	PASI-GA
		EPA 7470A	DBB1	1	PASI-A
92587561008	AF24764	EPA 6010D	KH	1	PASI-GA
		EPA 7470A	DBB1	1	PASI-A
92587561009	AF24765	EPA 6010D	KH	1	PASI-GA
		EPA 7470A	DBB1	1	PASI-A
92587561010	AF24766	EPA 6010D	KH	1	PASI-GA
		EPA 7470A	DBB1	1	PASI-A
92587561011	AF24767	EPA 6010D	KH	1	PASI-GA
		EPA 7470A	DBB1	1	PASI-A

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

ANALYTICAL RESULTS

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

Sample: AF24788 **Lab ID: 92587561001** Collected: 01/31/22 11:50 Received: 02/10/22 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	**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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

ANALYTICAL RESULTS

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

Sample: AF24789 **Lab ID: 92587561002** Collected: 01/31/22 12:42 Received: 02/10/22 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	**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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

ANALYTICAL RESULTS

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

Sample: AF24790 **Lab ID: 92587561003** Collected: 01/31/22 12:47 Received: 02/10/22 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	**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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

ANALYTICAL RESULTS

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

Sample: AF24791 **Lab ID: 92587561004** Collected: 01/31/22 14:21 Received: 02/10/22 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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

ANALYTICAL RESULTS

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

Sample: AF24792 **Lab ID: 92587561005** Collected: 01/31/22 15:17 Received: 02/10/22 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	**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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
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ANALYTICAL RESULTS

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

Sample: AF24793 **Lab ID: 92587561006** Collected: 01/31/22 16:27 Received: 02/10/22 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	**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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

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

Sample: AF24808 **Lab ID: 92587561007** Collected: 01/31/22 10:29 Received: 02/10/22 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	**11.7**	mg/L	0.040	1	02/22/22 07:59	02/23/22 14:32	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 13:51	7439-97-6	H1

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
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ANALYTICAL RESULTS

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

Sample: AF24764 **Lab ID: 92587561008** Collected: 02/03/22 10:38 Received: 02/10/22 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	ND	mg/L	0.040	1	02/22/22 07:59	02/23/22 02:20	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 14:02	7439-97-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

ANALYTICAL RESULTS

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

Sample: AF24765 **Lab ID: 92587561009** Collected: 02/03/22 12:10 Received: 02/10/22 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	ND	mg/L	0.040	1	02/22/22 07:59	02/23/22 02:25	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 14:04	7439-97-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Greenwood, SC 29649
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ANALYTICAL RESULTS

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

Sample: AF24766 **Lab ID: 92587561010** Collected: 02/03/22 12:10 Received: 02/10/22 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	**4.0**	mg/L	0.040	1	02/22/22 07:59	02/23/22 14:37	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 14:07	7439-97-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

ANALYTICAL RESULTS

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

Sample: AF24767 **Lab ID: 92587561011** Collected: 02/03/22 14:30 Received: 02/10/22 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Boron	**31.2**	mg/L	0.040	1	02/22/22 07:59	02/23/22 14:42	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 14:09	7439-97-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

QUALITY CONTROL DATA

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

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

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Boron	mg/L	ND	0.040	02/23/22 01:12	

LABORATORY CONTROL SAMPLE: 3557340

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	1	0.91	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3557341 3557342

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

QUALITY CONTROL DATA

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

QC Batch: 681014
QC Batch Method: EPA 7470A
Analysis 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

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	03/01/22 12:52	

LABORATORY CONTROL SAMPLE: 3562855

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3562856 3562857

Parameter	Units	92587553001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.5	2.5	99	100	75-125	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.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

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

H1 Analysis conducted outside the EPA method holding time.

Pace Analytical Services, LLC
816 Durst Avenue East
Greenwood, SC 29649
(864)229-4413

QUALITY CONTROL DATA CROSS REFERENCE TABLE

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

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

Pace Analytical	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: November 15, 2021 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.08	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:
Asheville [X] Eden [ ] Greenwood [ ] Huntersville [ ] Raleigh [ ] Mechanicsville [ ] Atlanta [ ] Kernersville [ ]

Sample Condition Upon Receipt

Client Name: Santee Cooper

Project # WO#: 92587561

92587561

Courier: [X] Fed Ex [ ] UPS [ ] USPS [ ] Client [ ] Commercial [ ] Pace [ ] Other:

Custody Seal Present? [ ] Yes [X] No Seals Intact? [ ] Yes [X] No

Date/Initials Person Examining Contents: 2-10-22 AR

Packing Material: [ ] Bubble Wrap [ ] Bubble Bags [X] None [ ] Other

Biological Tissue Frozen? [ ] Yes [ ] No [X] N/A

Thermometer: [X] IR Gun ID: NA Type of Ice: [ ] Wet [ ] Blue [X] None

Cooler Temp: NA Correction Factor: Add/Subtract (°C) NA

Temp should be above freezing to 6°C
[ ] Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): NA

USDA Regulated Soil ([X] N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? [ ] Yes [X] No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? [ ] Yes [X] No

				Comments/Discrepancy:
Chain of Custody Present?	[X] Yes	[ ] No	[ ] N/A	1.
Samples Arrived within Hold Time?	[X] Yes	[ ] No	[ ] N/A	2.
Short Hold Time Analysis (<72 hr.)?	[ ] Yes	[X] No	[ ] N/A	3.
Rush Turn Around Time Requested?	[ ] Yes	[X] No	[ ] N/A	4.
Sufficient Volume?	[X] Yes	[ ] No	[ ] N/A	5.
Correct Containers Used?	[X] Yes	[ ] No	[ ] N/A	6.
-Pace Containers Used?	[X] Yes	[ ] No	[ ] N/A	
Containers Intact?	[X] Yes	[ ] No	[ ] N/A	7.
Dissolved analysis: Samples Field Filtered?	[ ] Yes	[ ] No	[X] N/A	8.
Sample Labels Match COC?	[X] Yes	[ ] No	[ ] N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WT				
Headspace in VOA Vials (>5-6mm)?	[ ] Yes	[ ] No	[X] N/A	10.
Trip Blank Present?	[ ] Yes	[ ] No	[X] N/A	11.
Trip Blank Custody Seals Present?	[ ] Yes	[ ] No	[X] N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? [ ] Yes [ ] No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

*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# : 92587561**

PM: TIH Due Date: 02/24/22

CLIENT: 97-SanteeCoo

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (3 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AGGU-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1																												
2																												
3																												
4																												
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

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.

Contract Lab Info: PACE - MSHE Contract Lab Due Date (Lab Only): 2 / 23 / 22 Send report to lcwillia@santeecooper.com & slbrown@santeecooper.com

Chain of Custody

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

Customer Email/Report Recipient: LCWILLIA @santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 121567 / JM02.09.G01 / 36500

Rerun request for any flagged QC Yes No

92587561

Analysis 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)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	B	Li	Mo	Hg
001	AF24788	CGYP-1	1/31/22	1150	BRT/BSB	1	P	G	GW	2		X	X	X	X
002	AF24789	CGYP-2		1242								X	X	X	X
003	AF24790	CGYP-2 DUP		1247								X	X	X	X
004	AF24791	CGYP-3		1421								X	X	X	X
005	AF24792	CGYP-4		1517								X	X	X	X
006	AF24793	CGYP-6		1627								X	X	X	X
007	AF24808	POZ-8		1029								X	X	X	X

Relinquished by	Employee #	Date	Time	Received by	Employee #	Date	Time
SBBrown	36594	2/9/22	1500	A. Rucker/PACE	AVL	2-10-22	1115
Relinquished by	Employee #	Date	Time	Received by	Employee #	Date	Time
Relinquished by	Employee #	Date	Time	Received by	Employee #	Date	Time

Sample Receiving (Internal Use Only)
TEMP (°C): NA Initial: AR
Correct pH: (Yes) No
Preservative Lot#:
Date/Time/init for preservative:

METALS (all)		
☐ Ag	☐ Cu	☐ Sb
☐ Al	☐ Fe	☐ Se
☐ As	☐ K	☐ Sn
☐ B	☐ Li	☐ Sr
☐ Ba	☐ Mg	☐ Ti
☐ Be	☐ Mn	☐ Tl
☐ Ca	☐ Mo	☐ V
☐ Cd	☐ Na	☐ Zn
☐ Co	☐ Ni	☐ Hg
☐ Cr	☐ Pb	☐ Cr(VI)

MISC.
☐ BTEX
☐ Naphthalene
☐ THM/HAA
☐ VOC
☐ Oil & Grease
☐ E. Coli
☐ Total Coliform
☐ pH
☐ Dissolved As
☐ Dissolved Fe
☐ Ra-226/7
☐ Ra-228
☐ PCB

Coal

Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler 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=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

Contract Lab Info: PACE-ASHE Contract Lab Due Date (Lab Only): 2 / 23 / 22 Send report to lcwillia@santeecooper.com & slbrown@santeecooper.com

Chain of Custody

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

Customer Email/Report Recipient: LCWILLIA @santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 12567 / JM02.09.G01 / 86500

Rerun request for any flagged QC Yes No

92587561

Analysis 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)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	Li, Mo, Gr			
008	AF24764	CAP-4	2/3/22	1038	NDG/BSB	1	P	G	GW	2		X			
009	65	CAP-5	"	1210	"	"	"	"	"	"		"			
010	66	CAP-6	"	1316	"	"	"	"	"	"		"			
011	67	CAP-7	"	1430	"	"	"	"	"	"		"			

Relinquished by	Employer	Date	Time	Received by	Employer	Date	Time
SLBrown	35594	2/9/22	1500	A. Rockel/PACE	AVL	2-10-22	1115
Relinquished by	Employer	Date	Time	Received by	Employer	Date	Time
Relinquished by	Employer	Date	Time	Received by	Employer	Date	Time

Sample Receiving (Internal Use Only)
TEMP (°C): NA Initial: AR
Correct pH: Yes No
Preservative Lot#:
Date/Time/Init for preservative:

☐ METALS (all)

☐ Ag	☐ Cd	☐ Sb
☐ Al	☐ Fe	☐ Se
☐ As	☐ K	☐ Sn
☐ B	☐ Li	☐ Sr
☐ Ba	☐ Mg	☐ Ti
☐ Be	☐ Mn	☐ Tl
☐ Ca	☐ Mo	☐ V
☐ Cd	☐ Na	☐ Zn
☐ Co	☐ Ni	☐ Hg
☐ Cr	☐ Pb	☐ Cr VI

MISC.
- ☐ BTEX
- ☐ Napthalene
- ☐ THM/HAA
- ☐ VOC
- ☐ Oil & Grease
- ☐ E. Coli
- ☐ Total Coliform
- ☐ pH
- ☐ Dissolved As
- ☐ Dissolved Fe
- ☐ Rad 226
- ☐ Rad 228
- ☐ RCB

Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler 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=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

eurofins | 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

Jerry Lanier

Authorized for release by:
9/15/2022 6:42:47 PM

Jerry Lanier, Project Manager I
(912)250-0281
Jerry.Lanier@et.eurofinsus.com

Table of Contents

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.

Sample Summary

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

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
680-220687-34	AF36884	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

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.
¤	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

Detection Summary

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.

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**

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

Client Sample ID: AF36883 — Lab Sample ID: 680-220687-33

No Detections.

Client Sample ID: AF36884 — Lab Sample ID: 680-220687-34

No Detections.

This Detection Summary does not include radiochemical test results.

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

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

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 22:40	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

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

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

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

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

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 22:44	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

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

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 22:48	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

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

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 22:51	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

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

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 23:54	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

Client Sample ID: AF36888
Date Collected: 06/21/22 10:04
Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-7
Matrix: Water

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 23:02	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

Client Sample ID: AF36889
Date Collected: 06/21/22 11:09
Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-8
Matrix: Water

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 23:06	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

Client Sample ID: AF36890
Date Collected: 06/21/22 11:14
Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-9
Matrix: Water

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 23:10	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

Client Sample ID: AF36891
Date Collected: 06/21/22 12:31
Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-10
Matrix: Water

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 23:14	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

Client Sample ID: AF36892
Date Collected: 06/21/22 13:23
Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-11
Matrix: Water

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 23:17	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

Client Sample ID: AF36893
Date Collected: 06/21/22 14:23
Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-12
Matrix: Water

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 23:21	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

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

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 23:25	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

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

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 23:28	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

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

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 23:32	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

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

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 23:36	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

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

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 23:47	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

Client Sample ID: AF36865
Date Collected: 06/23/22 13:27
Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-18
Matrix: Water

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
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

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

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 22:26	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

Client Sample ID: AF36867
Date Collected: 06/23/22 11:16
Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-20
Matrix: Water

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
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

Client Sample ID: AF36868
Date Collected: 06/23/22 10:05
Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-21
Matrix: Water

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	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

Client Sample ID: AF36869
Date Collected: 06/22/22 15:40
Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-22
Matrix: Water

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 03:13	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

Client Sample ID: AF36870
Date Collected: 06/22/22 15:45
Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-23
Matrix: Water

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 03:17	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

Client Sample ID: AF36871
Date Collected: 06/22/22 14:45
Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-24
Matrix: Water

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 03:21	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

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

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 03:24	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

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

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
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

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

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 03:39	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

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

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 03:43	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

Client Sample ID: AF36879
Date Collected: 06/30/22 09:30
Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-29
Matrix: Water

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 03:46	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
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

Client Sample ID: AF36880
Date Collected: 06/30/22 12:40
Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-30
Matrix: Water

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
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

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

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 03:54	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

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

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 03:57	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

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

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 04:01	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

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

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 04:05	1

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

Analyte	MB Result	MB 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 22:18	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

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	5.00	U	50.0	47.21		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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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

Analyte	MB Result	MB 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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	50.0	43.66		ug/L		87	80 - 120
Thallium	50.0	43.55		ug/L		87	80 - 120
Arsenic	100	91.08		ug/L		91	80 - 120

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

Lab Sample ID: 680-220687-21 MS
Matrix: Water
Analysis Batch: 739706

Client Sample ID: AF36868
Prep Type: Total Recoverable
Prep Batch: 739532

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	5.00	U	50.0	42.93		ug/L		86	75 - 125
Thallium	1.00	U	50.0	42.56		ug/L		85	75 - 125
Arsenic	3.04		100	92.05		ug/L		89	75 - 125

Lab Sample ID: 680-220687-21 MSD
Matrix: Water
Analysis Batch: 739706

Client Sample ID: AF36868
Prep Type: Total Recoverable
Prep Batch: 739532

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	5.00	U	50.0	48.66		ug/L		97	75 - 125	13	20
Thallium	1.00	U	50.0	48.91		ug/L		97	75 - 125	14	20
Arsenic	3.04		100	103.5		ug/L		100	75 - 125	12	20

Metals

Prep Batch: 739531

Lab Sample ID	Client Sample ID	Prep Type	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	
680-220687-32	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	Prep Type	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

Metals (Continued)

Analysis Batch: 739706 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-220687-4	AF36908	Total Recoverable	Water	6020B	739531
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
680-220687-8	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	739531
680-220687-12	AF36893	Total Recoverable	Water	6020B	739531
680-220687-13	AF36901	Total Recoverable	Water	6020B	739531
680-220687-14	AF36903	Total Recoverable	Water	6020B	739531
680-220687-15	AF36861	Total Recoverable	Water	6020B	739531
680-220687-16	AF36863	Total Recoverable	Water	6020B	739531
680-220687-17	AF36864	Total Recoverable	Water	6020B	739531
680-220687-18	AF36865	Total Recoverable	Water	6020B	739531
680-220687-19	AF36866	Total Recoverable	Water	6020B	739531
680-220687-20	AF36867	Total Recoverable	Water	6020B	739531
680-220687-21	AF36868	Total Recoverable	Water	6020B	739532
680-220687-22	AF36869	Total Recoverable	Water	6020B	739532
680-220687-23	AF36870	Total Recoverable	Water	6020B	739532
680-220687-24	AF36871	Total Recoverable	Water	6020B	739532
680-220687-25	AF36874	Total Recoverable	Water	6020B	739532
680-220687-26	AF36876	Total Recoverable	Water	6020B	739532
680-220687-27	AF36877	Total Recoverable	Water	6020B	739532
680-220687-28	AF36878	Total Recoverable	Water	6020B	739532
680-220687-29	AF36879	Total Recoverable	Water	6020B	739532
680-220687-30	AF36880	Total Recoverable	Water	6020B	739532
680-220687-31	AF36881	Total Recoverable	Water	6020B	739532
680-220687-32	AF36882	Total Recoverable	Water	6020B	739532
680-220687-33	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	739531
MB 680-739532/1-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
680-220687-19 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

Lab Chronicle

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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
Date Collected: 06/21/22 10:04
Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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
Date Collected: 06/21/22 11:09
Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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
Date Collected: 06/21/22 11:14
Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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
Date Collected: 06/21/22 12:31
Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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
Date Collected: 06/21/22 13:23
Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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
Date Collected: 06/21/22 14:23
Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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 23:32

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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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
Date Collected: 06/23/22 13:27
Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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

Lab Chronicle

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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
Date Collected: 06/23/22 11:16
Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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
Date Collected: 06/23/22 10:05
Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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
Date Collected: 06/22/22 15:40
Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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
Date Collected: 06/22/22 15:45
Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-23
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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
Date Collected: 06/22/22 14:45
Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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 03:21

Lab Chronicle

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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: 680-220687-29
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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 Sample ID: 680-220687-30
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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

Lab Chronicle

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.3/36500

Job ID: 680-220687-1

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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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

Contract Lab Info. TA-SAV Contract Lab Due Date (Lab Only). 9 / 9 / 22 Send report to lcwillia@santeecooper.com & sjbrown@santeecooper.com

Chain of Custody

RUSH!

santee cooper
Santee Cooper
One Riverwood Drive
Moncks Corner SC 29461
Phone (843)761-8000 Ext. 5148
Fax. (843)761-4175

Customer Email/Report Recipient: LCWILLIA @santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / JM02.08.681.3 / 36500

Rerun request for any flagged QC Yes No

Analysis 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)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	Sb			
AF36905	POZ-6	6/28	1322	DEW ML	1	P	G	GW	2	6020 RL=5PPB	X			
06	-7		1441											
07	7 DUP		1446											
08	8		1050											

680-220687 Chain of Custody

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
SJBrown	35594	9/6/22	1500		TR	9-7-22	1030
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)
TEMP (°C): 27.1 / 27.0 Initial: ___
Correct pH: Yes No
Preservative Lot#:
Date/Time/Init for preservative:

☐ METALS (all)

☐ Ag	☐ Cu	☑ Sb
☐ Al	☐ Fe	☐ Se
☐ As	☐ K	☐ Sn
☐ B	☐ Li	☐ Sr
☐ Ba	☐ Mg	☐ Ti
☐ Be	☐ Mn	☐ Tl
☐ Ca	☐ Mo	☐ V
☐ Cd	☐ Na	☐ Zn
☐ Co	☐ Ni	☐ Hg
☐ Cr	☐ Pb	☐ CrVI

Nutrients
☐ TOC
☐ DOC
☐ TP/TPO4
☐ NH3-N
☐ F
☐ Cl
☐ NO2
☐ Br
☐ NO3
☐ SO4

MISC.
☐ BTEX
☐ Napthalene
☐ THM/HAA
☐ VOC
☐ Oil & Grease
☐ E. Coli
☐ Total Coliform
☐ pH
☐ Dissolved As
☐ Dissolved Fe
☐ Rad 226
☐ Rad 228
☐ PCB

Gypsum
☐ Wallboard Gypsum(*all below*)
☐ AIM
☐ TOC
☐ Total metals
☐ Soluble Metals
☐ Purity (CaSO4)
☐ % Moisture
☐ Sulfites
☐ pH
☐ Chlorides
☐ Particle Size
☐ Sulfur

Coal
☐ Ultimate
☐ % Moisture
☐ Ash
☐ Sulfur
☐ BTUs
☐ Volatile Matter
☐ CHN
Other Tests:
☐ XRF Scan
☐ HGI
☐ Fineness
☐ Particulate Matter

Flyash
☐ Ammonia
☐ LOI
☐ % Carbon
☐ Mineral Analysis
☐ Sieve
☐ % Moisture

NPDES
☐ Oil & Grease
☐ As
☐ TSS

Oil
Trans. Oil Qual.
☐ %Moisture
☐ Color
☐ Acidity
☐ Dielectric Strength
☐ IFT
☐ Dissolved Gases
Used Oil
☐ Flashpoint
☐ Metals in oil (As,Cd,Cr,Ni,Pb Hg)
☐ TX
GOFER

Matrix codes GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler 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=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

Contract Lab Info. TA-SAV Contract Lab Due Date (Lab Only). 9 / 9 / 22 Send report to lcwillia@santeecooper.com & sjbrown@santeecooper.com

Chain of Custody

RUSH!

santee cooper
Santee Cooper
One Riverwood Drive
Moncks Corner SC 29461
Phone (843)761-8000 Ext. 5148
Fax. (843)761-4175

Customer Email/Report Recipient: LCWILLIA @santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / TM02.08.681.3 / 36500

Rerun request for any flagged QC Yes No

Analysis 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)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	Sb			
AF36886	CCMLF-ID	6/29	1033	DEW ML	1	P	G	GW	2	6020 RL=5 PPB	X			
87	2	〃	1140	〃	〃	〃	〃	〃	〃		〃			
88	CGYP-1	6/21	1004											
89	2		1109											
90	2 DUP		1114											
91	3		1231											
92	4		1323											
93	6	〃	1423	〃	〃	〃	〃	〃	〃		〃			
AF36901	PM-1	6/20	1531											
03	POZ-4	6/28	1135	〃	〃	〃	〃	〃	〃		〃			

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
[signature]	35594	9/6/22	1500	[signature]	[signature]	9.7.22	1050
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)
TEMP (°C):_____ Initial:_____
Correct pH: Yes No
Preservative Lot#:
Date/Time/Init for preservative:

☐ METALS (all)

☐ Ag	☐ Cu	☒ Sb
☐ Al	☐ Fe	☐ Se
☐ As	☐ K	☐ Sn
☐ B	☐ Li	☐ Sr
☐ Ba	☐ Mg	☐ Ti
☐ Be	☐ Mn	☐ Tl
☐ Ca	☐ Mo	☐ V
☐ Cd	☐ Na	☐ Zn
☐ Co	☐ Ni	☐ Hg
☐ Cr	☐ Pb	☐ CrVI

Nutrients
☐ TOC
☐ DOC
☐ TP/TPO4
☐ NH3-N
☐ F
☐ Cl
☐ NO2
☐ Br
☐ NO3
☐ SO4

MISC.
☐ BTEX
☐ Napthalene
☐ THM/HAA
☐ VOC
☐ Oil & Grease
☐ E. Coli
☐ Total Coliform
☐ pH
☐ Dissolved As
☐ Dissolved Fe
☐ Rad 226
☐ Rad 228
☐ PCB

Gypsum
☐ Wallboard Gypsum(*all below*)
☐ AIM
☐ TCC
☐ Total metals
☐ Soluble Metals
☐ Purity (CaSO4)
☐ % Moisture
☐ Sulfites
☐ pH
☐ Chlorides
☐ Particle Size
☐ Sulfur

Coal
☐ Ultimate
☐ % Moisture
☐ Ash
☐ Sulfur
☐ BTUs
☐ Volatile Matter
☐ CHN
Other Tests:
☐ XRF Scan
☐ HGI
☐ Fineness
☐ Particulate Matter

Flyash
☐ Ammonia
☐ LOI
☐ % Carbon
☐ Mineral Analysis
☐ Sieve
☐ % Moisture

NPDES
☐ Oil & Grease
☐ As
☐ TSS

Oil
☐ Trans. Oil Qual.
☐ %Moisture
☐ Color
☐ Acidity
☐ Dielectric Strength
☐ IFT
☐ Dissolved Gases
☐ Used Oil
☐ Flashpoint
☐ Metals in oil (As,Cd,Cr,Ni,Pb Hg)
☐ TX
GOFER

Matrix codes. GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler 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=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

Contract Lab Info. TA SAV Contract Lab Due Date (Lab Only). 9 / 9 / 22 Send report to lcwillia@santeecooper.com & sjbrown@santeecooper.com

Chain of Custody

RUSH!

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

Customer Email/Report Recipient: LCWILLIA @santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / JM02.08.G01.3 / 36500

Rerun request for any flagged QC Yes No

Analysis 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)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	Sb			
AF36861	CAP - [redacted] 1	6/22	1253	DEW/ML	1	P	G	GW	2	6020 RL=5 PPB	X			
63	3	6/23	1608	〃	〃	〃	〃	〃	〃	〃	〃			
64	4	〃	1449	DEW DJ	〃	〃	〃	〃	〃	〃	〃			
65	5	〃	1327	〃	〃	〃	〃	〃	〃	〃	〃			
66	6	〃	1215	〃	〃	〃	〃	〃	〃	〃	〃			
67	7	〃	1116	〃	〃	〃	〃	〃	〃	〃	〃			
68	8	〃	1005	〃	〃	〃	〃	〃	〃	〃	〃			
69	9	6/22	1540	DEW ML	〃	〃	〃	〃	〃	〃	〃			
70	9 - DUP	〃	1545	〃	〃	〃	〃	〃	〃	〃	〃			
〃	71	10	〃	1445	〃	〃	〃	〃	〃	〃	〃			

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
SJ Brown	35594	9/6/22	1500	[redacted]	TA	9-7-22	1030
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)
TEMP (°C):_____ Initial:_____
Correct pH: Yes No
Preservative Lot#:
Date/Time/Init for preservative:

☐ METALS (all)

☐ Ag	☐ Cu	☑ Sb
☐ Al	☐ Fe	☐ Se
☐ As	☐ K	☐ Sn
☐ B	☐ Li	☐ Sr
☐ Ba	☐ Mg	☐ Ti
☐ Be	☐ Mn	☐ Tl
☐ Ca	☐ Mo	☐ V
☐ Cd	☐ Na	☐ Zn
☐ Co	☐ Ni	☐ Hg
☐ Cr	☐ Pb	☐ CrVI

Nutrients
☐ TOC
☐ DOC
☐ TP/TPO4
☐ NH3-N
☐ F
☐ Cl
☐ NO2
☐ Br
☐ NO3
☐ SO4

MISC.
☐ BTEX
☐ Napthalene
☐ THM/HAA
☐ VOC
☐ Oil & Grease
☐ E. Coli
☐ Total Coliform
☐ pH
☐ Dissolved As
☐ Dissolved Fe
☐ Rad 226
☐ Rad 228
☐ PCB

Gypsum
☐ Wallboard Gypsum(*all below*)
☐ AIM
☐ TOC
☐ Total metals
☐ Soluble Metals
☐ Purity (CaSO4)
☐ % Moisture
☐ Sulfites
☐ pH
☐ Chlorides
☐ Particle Size
☐ Sulfur

Coal
☐ Ultimate
☐ % Moisture
☐ Ash
☐ Sulfur
☐ BTUs
☐ Volatile Matter
☐ CHN
Other Tests:
☐ XRF Scan
☐ HGI
☐ Fineness
☐ Particulate Matter

Flyash
☐ Ammonia
☐ LOI
☐ % Carbon
☐ Mineral Analysis
☐ Sieve
☐ % Moisture

NPDES
☐ Oil & Grease
☐ As
☐ TSS

Oil
☐ Trans. Oil Qual.
☐ %Moisture
☐ Color
☐ Acidity
☐ Dielectric Strength
☐ IFT
☐ Dissolved Gases
☐ Used Oil
☐ Flashpoint
☐ Metals in oil (As, Cd, Cr, Ni, Pb Hg)
☐ TX
☐ GOFER

Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler 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=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

Contract Lab Info. TA-SAV Contract Lab Due Date (Lab Only). 9 / 9 / 22 Send report to lcwillia@santeecooper.com & sjbrown@santeecooper.com

Chain of Custody

RUSH!

santee cooper
Santee Cooper
One Riverwood Drive
Moncks Corner SC 29461
Phone (843)761-8000 Ext. 5148
Fax. (843)761-4175

Customer Email/Report Recipient: LCWILLIA @santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / JM02.08.G01.3 / 36500

Rerun request for any flagged QC Yes No

Analysis 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)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	SD			
AF36874	CAP-13	6/22	1027	DEN ML	1	P	G	GW	2	6020 RL=5 PPB	X			
76	CBW-1	6/20	1416											
77	CCMAP-1	6/29	1310											
78	-2	6/30	1033											
79	3		0930											
80	4		1240											
81	4 DUP		1245											
82	5		1406											
83	6	6/29	1408											
84	7	6/30	1129											

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
BJBrown	35594	9/6/22	1500			9-7-22	1030
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)
TEMP (°C):_____ Initial:_____
Correct pH: Yes No
Preservative Lot#:
Date/Time/Init for preservative:

☐ METALS (all)

☐ Ag	☐ Cu	☐ Sb
☐ Al	☐ Fe	☐ Se
☐ As	☐ K	☐ Sn
☐ B	☐ Li	☐ Sr
☐ Ba	☐ Mg	☐ Ti
☐ Be	☐ Mn	☐ Tl
☐ Ca	☐ Mo	☐ V
☐ Cd	☐ Na	☐ Zn
☐ Co	☐ Ni	☐ Hg
☐ Cr	☐ Pb	☐ CrVI

Nutrients
☐ TOC
☐ DOC
☐ TP/TPO4
☐ NH3-N
☐ F
☐ Cl
☐ NO2
☐ Br
☐ NO3
☐ SO4

MISC.
☐ BTEX
☐ Napthalene
☐ THM/HAA
☐ VOC
☐ Oil & Grease
☐ E. Coli
☐ Total Coliform
☐ pH
☐ Dissolved As
☐ Dissolved Fe
☐ Rad 226
☐ Rad 228
☐ PCB

Gypsum
☐ Wallboard Gypsum(*all below*)
☐ AIM
☐ TCC
☐ Total metals
☐ Soluble Metals
☐ Purity (CaSO4)
☐ % Moisture
☐ Sulfites
☐ pH
☐ Chlorides
☐ Particle Size
☐ Sulfur

Coal
☐ Ultimate
☐ % Moisture
☐ Ash
☐ Sulfur
☐ BTUs
☐ Volatile Matter
☐ CHN
Other Tests:
☐ XRF Scan
☐ HGI
☐ Fineness
☐ Particulate Matter

Flyash
☐ Ammonia
☐ LOI
☐ % Carbon
☐ Mineral Analysis
☐ Sieve
☐ % Moisture

NPDES
☐ Oil & Grease
☐ As
☐ TSS

Oil
☐ Trans. Oil Qual.
☐ %Moisture
☐ Color
☐ Acidity
☐ Dielectric Strength
☐ IFT
☐ Dissolved Gases
☐ Used Oil
☐ Flashpoint
☐ Metals in oil (As,Cd,Cr,Ni,Pb Hg)
☐ TX
☐ GOFER

Matrix codes GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler 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=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

Login Sample Receipt Checklist

Client: South Carolina Public Service Authority

Job Number: 680-220687-1

Login Number: 220687
List Number: 1
Creator: Sims, Robert D

List Source: Eurofins Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	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	
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	

Accreditation/Certification Summary

Client: South Carolina Public Service Authority
Job ID: 680-220687-1
Project/Site: 125915/JM02.08.G01.3/36500

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 *

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

Rogers & Callcott ENVIRONMENTAL

Laboratory Services

Laboratory Report

Client	Santee Cooper Linda Williams 1 Riverwood Dr. Moncks Corner, SC 29461	**Project:** **Work Order:** **Received:**	Ground Water 22H0490 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

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

Rogers & Callcott ENVIRONMENTAL

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

Certificate of Analysis

Client Santee Cooper
Linda Williams
1 Riverwood Dr.
Moncks Corner, SC 29461

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

Rogers & Callcott
ENVIRONMENTAL

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

Sample Number	Sample Description	Matrix	Sampled	Type
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
22H0490-32	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										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 15:15	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 15:15	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 15:59	EPA 6020B		JIP	B2H1391	RC-G
Barium	**0.087**	0.010	mg/L	1.00	08/09/22 15:15	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	**0.0007**	0.0005	mg/L	1.00	08/10/22 15:59	EPA 6020B		JIP	B2H1391	RC-G
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		JIP	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		JIP	B2H1455	RC-G

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-02
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		JIP	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		JIP	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		JIP	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		JIP	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: 22H0490-02RE1										
Potassium	**1.9**	0.10	mg/L	1.00	08/17/22 15:40	EPA 6010D	S1	KTH	B2H1706	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 13:20	EPA 6020B		JIP	B2H1455	RC-G

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-03
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

Rogers & Callcott ENVIRONMENTAL

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		JIP	B2H1455	RC-G

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-05
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		JIP	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		JIP	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		JIP	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		JIP	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

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-06
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
Zinc	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

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-07
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		JIP	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		JIP	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		JIP	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

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-08
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		JIP	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		JIP	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		JIP	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
Zinc	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

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-09
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		JIP	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		JIP	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		JIP	B2H1455	RC-G

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-10
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		JIP	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		JIP	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
Zinc	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

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-11
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

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-12
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		JIP	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		JIP	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		JIP	B2H1391	RC-G
Cobalt	**0.003**	0.001	mg/L	1.00	08/10/22 16:42	EPA 6020B		JIP	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		JIP	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

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-13
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	JIP	B2H1455	RC-G

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-14
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

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-15
Sample Description AF36887 CCMLF-2 collected on 06/29/22 11:40

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	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

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-16
Sample Description AF36877 CCMAP-1 collected on 06/29/22 13:10

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 17:10	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
Zinc	ND	0.010	mg/L	1.00	08/09/22 17:10	EPA 6010D		KTH	B2H1367	RC-G

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-17
Sample Description AF36883 CCMAP-6 collected on 06/29/22 14:08

Parameter	Result	Reporting 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

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-18
Sample Description AF36879 CCMAP-3 collected on 06/30/22 09:30

Parameter	Result	Reporting 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	JIP	B2H1391	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 17:17	EPA 6010D		KTH	B2H1367	RC-G

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-19
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

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-20
Sample Description AF36884 CCMAP-7 collected on 06/30/22 11:29

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 17:37	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		JIP	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

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-21
Sample Description AF36880 CCMAP-4 collected on 06/30/22 12:40

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 17:51	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
Zinc	ND	0.010	mg/L	1.00	08/09/22 17:51	EPA 6010D		KTH	B2H1368	RC-G

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-22
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		JIP	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

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-23
Sample Description AF36882 CCMAP-5 collected on 06/30/22 14:06

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	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

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-24
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
Zinc	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

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

Sample Number 22H0490-25
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		JIP	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		JIP	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: 22H0490-25RE1										
Chromium	ND	0.005	mg/L	1.00	08/17/22 18:16	EPA 6020B		JIP	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		JIP	B2H1455	RC-G

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-26
Sample Description AF36888 CGYP-1 collected on 06/21/22 10:04

Parameter	Result	Reporting 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		JIP	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

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-27
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

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-28
Sample Description AF36890 CGYP-2 DUP collected on 06/21/22 11:14

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	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

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-29
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

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-30
Sample Description AF36892 CGYP-4 collected on 06/21/22 13:23

Parameter	Result	Reporting 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		JIP	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

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-31
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	JIP	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		JIP	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

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-32
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

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-33
Sample Description AF36885 CCMLF-1 collected on 06/29/22 09:30

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 19:35	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		JIP	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	JIP	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

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-34
Sample Description AF36873 CAP-12 collected on 06/21/22 15:18

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 19:38	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
Zinc	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		JIP	B2H1455	RC-G

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-35
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

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-36
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	JIP	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		JIP	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	JIP	B2H1392	RC-G
Cobalt	**0.006**	0.004	mg/L	2.00	08/16/22 23:24	EPA 6020B		JIP	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		JIP	B2H1392	RC-G
Zinc	**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		JIP	B2H1455	RC-G

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-37
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	JIP	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	JIP	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		JIP	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	JIP	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	JIP	B2H1455	RC-G

Rogers & Callcott
ENVIRONMENTAL

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

Sample Number 22H0490-38
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

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-39
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	JIP	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		JIP	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	JIP	B2H1392	RC-G
Cobalt	**0.023**	0.004	mg/L	2.00	08/16/22 23:38	EPA 6020B		JIP	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		JIP	B2H1392	RC-G
Zinc	**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		JIP	B2H1456	RC-G

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-40
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	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 23:43	EPA 6020B	X	JIP	B2H1392	RC-G
Barium	**0.085**	0.010	mg/L	1.00	08/09/22 20:00	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	ND	0.001	mg/L	2.00	08/16/22 23:43	EPA 6020B	X	JIP	B2H1392	RC-G
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

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

Sample Number 22H0490-41
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	JIP	B2H1404	RC-G
Barium	**0.016**	0.010	mg/L	1.00	08/13/22 15:53	EPA 6010D	S1	CAL	B2H1406	RC-G
Beryllium	**0.019**	0.001	mg/L	2.00	08/16/22 21:07	EPA 6020B		JIP	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	S1	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	JIP	B2H1404	RC-G
Cobalt	**0.042**	0.004	mg/L	2.00	08/16/22 21:07	EPA 6020B		JIP	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	S1	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
Zinc	**0.072**	0.010	mg/L	1.00	08/13/22 15:53	EPA 6010D	S1	CAL	B2H1406	RC-G
Rebatch Sample Number: 22H0490-41RE1										
Antimony	ND	0.050	mg/L	1.00	08/17/22 16:56	EPA 6010D	S1	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	S1	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	S1	CAL	B2H1706	RC-G
Zinc	**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	JIP	B2H1456	RC-G

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-42
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	RC-G
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

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-43
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										
Aluminum	**0.078**	0.050	mg/L	1.00	08/13/22 17:00	EPA 6010D		CAL	B2H1406	RC-G
Antimony	ND	0.050	mg/L	1.00	08/13/22 17:00	EPA 6010D		CAL	B2H1406	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 21:16	EPA 6020B	X	JIP	B2H1404	RC-G
Barium	**0.057**	0.010	mg/L	1.00	08/13/22 17:00	EPA 6010D		CAL	B2H1406	RC-G
Beryllium	ND	0.001	mg/L	2.00	08/16/22 21:16	EPA 6020B	X	JIP	B2H1404	RC-G
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	JIP	B2H1404	RC-G
Cobalt	**0.037**	0.004	mg/L	2.00	08/16/22 21:16	EPA 6020B		JIP	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		JIP	B2H1404	RC-G
Zinc	ND	0.010	mg/L	1.00	08/13/22 17:00	EPA 6010D		CAL	B2H1406	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.010	mg/L	2.00	08/15/22 18:15	EPA 6020B	X	JIP	B2H1456	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 22H0490-44
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	JIP	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	JIP	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	JIP	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	JIP	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	JIP	B2H1456	RC-G

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-45
Sample Description AF36866 CAP-6 collected on 06/23/22 12:15

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 17:45	EPA 6010D		CAL	B2H1406	RC-G
Antimony	ND	0.050	mg/L	1.00	08/13/22 17:45	EPA 6010D		CAL	B2H1406	RC-G
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
Zinc	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

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-46
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	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 21:31	EPA 6020B	X	JIP	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		JIP	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	JIP	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		JIP	B2H1404	RC-G
Zinc	ND	0.010	mg/L	1.00	08/13/22 18:26	EPA 6010D		CAL	B2H1406	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.010	mg/L	2.00	08/15/22 18:29	EPA 6020B	X	JIP	B2H1456	RC-G

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-47
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	JIP	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

Rogers & Callcott ENVIRONMENTAL

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

Sample Number 22H0490-48
Sample Description AF36863 CAP-3 collected on 06/23/22 16:08

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 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		JIP	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	JIP	B2H1456	RC-G

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

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags	Lab
Batch B2H1367 - EPA 3005A											
Blank (B2H1367-BLK1)											
Aluminum	ND	0.050	mg/L								RC-G
Antimony	ND	0.050	mg/L								RC-G
Barium	ND	0.010	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	0.010	mg/L								RC-G
Iron	ND	0.050	mg/L								RC-G
Lead	ND	0.010	mg/L								RC-G
Lithium	ND	10	ug/L								RC-G
Magnesium	ND	0.050	mg/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
Sodium	ND	0.10	mg/L								RC-G
Zinc	ND	0.010	mg/L								RC-G
LCS (B2H1367-BS1)											
Aluminum	0.48	0.050	mg/L	0.500		97	80-120				RC-G
Antimony	0.52	0.050	mg/L	0.500		104	80-120				RC-G
Barium	0.49	0.010	mg/L	0.500		99	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		101	80-120				RC-G
Copper	0.49	0.010	mg/L	0.500		99	80-120				RC-G
Iron	0.49	0.050	mg/L	0.500		97	80-120				RC-G
Lead	0.49	0.010	mg/L	0.500		98	80-120				RC-G
Lithium	480	10	ug/L	500		96	80-120				RC-G
Magnesium	0.49	0.050	mg/L	0.500		97	80-120				RC-G
Molybdenum	480	10	ug/L	500		95	80-120				RC-G
Nickel	0.49	0.010	mg/L	0.500		98	80-120				RC-G
Potassium	5.2	0.10	mg/L	5.00		104	80-120				RC-G
Selenium	0.47	0.020	mg/L	0.500		94	80-120				RC-G
Sodium	0.49	0.10	mg/L	0.500		98	80-120				RC-G
Zinc	0.49	0.010	mg/L	0.500		98	80-120				RC-G

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

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags	Lab
Batch B2H1367 - EPA 3005A											
Matrix Spike (B2H1367-MS1)	**Source: 22H0490-01**										
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: 22H0490-02**										
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

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

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags	Lab
Batch B2H1367 - EPA 3005A											
Matrix Spike Dup (B2H1367-MSD1)	**Source: 22H0490-01**										
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: 22H0490-02**										
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

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

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags	Lab
Batch B2H1368 - EPA 3005A											
Blank (B2H1368-BLK1)											
Aluminum	ND	0.050	mg/L								RC-G
Antimony	ND	0.050	mg/L								RC-G
Barium	ND	0.010	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	0.010	mg/L								RC-G
Iron	ND	0.050	mg/L								RC-G
Lead	ND	0.010	mg/L								RC-G
Lithium	ND	10	ug/L								RC-G
Magnesium	ND	0.050	mg/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
Sodium	ND	0.10	mg/L								RC-G
Zinc	ND	0.010	mg/L								RC-G
LCS (B2H1368-BS1)											
Aluminum	0.47	0.050	mg/L	0.500		94	80-120				RC-G
Antimony	0.50	0.050	mg/L	0.500		99	80-120				RC-G
Barium	0.48	0.010	mg/L	0.500		96	80-120				RC-G
Boron	470	15	ug/L	500		95	80-120				RC-G
Cadmium	0.47	0.004	mg/L	0.500		94	80-120				RC-G
Calcium	0.49	0.050	mg/L	0.500		99	80-120				RC-G
Copper	0.48	0.010	mg/L	0.500		95	80-120				RC-G
Iron	0.47	0.050	mg/L	0.500		94	80-120				RC-G
Lead	0.48	0.010	mg/L	0.500		95	80-120				RC-G
Lithium	486	10	ug/L	500		97	80-120				RC-G
Magnesium	0.47	0.050	mg/L	0.500		94	80-120				RC-G
Molybdenum	460	10	ug/L	500		93	80-120				RC-G
Nickel	0.47	0.010	mg/L	0.500		94	80-120				RC-G
Potassium	5.1	0.10	mg/L	5.00		101	80-120				RC-G
Selenium	0.46	0.020	mg/L	0.500		92	80-120				RC-G
Sodium	0.48	0.10	mg/L	0.500		95	80-120				RC-G
Zinc	0.47	0.010	mg/L	0.500		95	80-120				RC-G

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

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags	Lab
Batch B2H1368 - EPA 3005A											
Matrix Spike (B2H1368-MS1)	**Source: 22H0490-21**										
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
Iron	3.3	0.050	mg/L	0.500	2.8	92	75-125				RC-G
Lead	0.50	0.010	mg/L	0.500	ND	101	75-125				RC-G
Lithium	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
Nickel	0.50	0.010	mg/L	0.500	ND	100	75-125				RC-G
Potassium	6.7	0.10	mg/L	5.00	0.98	114	75-125				RC-G
Selenium	0.48	0.020	mg/L	0.500	ND	97	75-125				RC-G
Sodium	13	0.10	mg/L	0.500	15	NR	75-125			S3	RC-G
Zinc	0.50	0.010	mg/L	0.500	ND	100	75-125				RC-G
Matrix Spike (B2H1368-MS2)	**Source: 22H0490-22**										
Aluminum	0.52	0.050	mg/L	0.500	ND	101	75-125				RC-G
Antimony	0.53	0.050	mg/L	0.500	ND	106	75-125				RC-G
Barium	0.66	0.010	mg/L	0.500	0.16	100	75-125				RC-G
Boron	530	15	ug/L	500	25	101	75-125				RC-G
Cadmium	0.49	0.004	mg/L	0.500	ND	98	75-125				RC-G
Calcium	55	0.050	mg/L	0.500	85	NR	75-125			S3	RC-G
Copper	0.51	0.010	mg/L	0.500	ND	102	75-125				RC-G
Iron	3.1	0.050	mg/L	0.500	2.6	101	75-125				RC-G
Lead	0.49	0.010	mg/L	0.500	ND	98	75-125				RC-G
Lithium	520	10	ug/L	500	ND	104	75-125				RC-G
Magnesium	2.9	0.050	mg/L	0.500	2.4	96	75-125				RC-G
Molybdenum	500	10	ug/L	500	ND	99	75-125				RC-G
Nickel	0.49	0.010	mg/L	0.500	ND	98	75-125				RC-G
Potassium	6.6	0.10	mg/L	5.00	0.95	112	75-125				RC-G
Selenium	0.48	0.020	mg/L	0.500	ND	96	75-125				RC-G
Sodium	13	0.10	mg/L	0.500	14	NR	75-125			S3	RC-G
Zinc	0.50	0.010	mg/L	0.500	ND	99	75-125				RC-G

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

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags	Lab
Batch B2H1368 - EPA 3005A											
Matrix Spike Dup (B2H1368-MSD1)	**Source: 22H0490-21**										
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: 22H0490-22**										
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
Zinc	0.47	0.010	mg/L	0.500	ND	95	75-125	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

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 Mod											
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: 22H0490-05**										
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: 22H0490-08**										
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
Matrix Spike Dup (B2H1391-MSD1)	**Source: 22H0490-05**										
Arsenic	0.223	0.005	mg/L	0.200	ND	111	75-125	3	20		RC-G
Beryllium	0.169	0.0005	mg/L	0.200	ND	85	75-125	2	20		RC-G
Chromium	0.185	0.005	mg/L	0.200	ND	92	75-125	0.9	20		RC-G
Cobalt	0.182	0.001	mg/L	0.200	0.002	90	75-125	0.7	20		RC-G
Thallium	0.171	0.001	mg/L	0.200	ND	85	75-125	2	20		RC-G

Santee Cooper		Project:	Ground Water
1 Riverwood Dr.		Work Order:	22H0490
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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 Mod											
Matrix Spike Dup (B2H1391-MSD2)	**Source: 22H0490-08**										
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 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: 22H0490-24**										
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: 22H0490-25**										
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-G

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

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags	Lab
Batch B2H1392 - EPA 3005A Mod											
Matrix Spike Dup (B2H1392-MSD1)	**Source: 22H0490-24**										
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: 22H0490-25**										
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											
Blank (B2H1404-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 (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-G
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-G
Matrix Spike (B2H1404-MS1)	**Source: 22H0291-02RE1**										
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-G
Chromium	0.185	0.005	mg/L	0.200	0.005	90	75-125				RC-G
Cobalt	0.182	0.001	mg/L	0.200	0.005	88	75-125				RC-G
Thallium	0.182	0.001	mg/L	0.200	ND	91	75-125				RC-G

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

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags	Lab
Batch B2H1404 - EPA 3005A Mod											
Matrix Spike (B2H1404-MS2)	**Source: 22H0461-02**										
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
Thallium	0.204	0.001	mg/L	0.200	ND	102	75-125				RC-G
Matrix Spike Dup (B2H1404-MSD1)	**Source: 22H0291-02RE1**										
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
Thallium	0.181	0.001	mg/L	0.200	ND	90	75-125	0.5	20		RC-G
Matrix Spike Dup (B2H1404-MSD2)	**Source: 22H0461-02**										
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	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	mg/L								RC-G
Iron	ND	0.050	mg/L								RC-G
Lead	ND	0.010	mg/L								RC-G
Lithium	ND	10	ug/L								RC-G
Magnesium	ND	0.050	mg/L								RC-G
Molybdenum	ND	10	ug/L								RC-G
Nickel	ND	0.010	mg/L								RC-G

Santee Cooper		Project:	Ground Water
1 Riverwood Dr.		Work Order:	22H0490
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Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags	Lab
Batch B2H1406 - EPA 3005A											
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)											
Aluminum	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-G
Iron	0.48	0.050	mg/L	0.500		97	80-120				RC-G
Lead	0.49	0.010	mg/L	0.500		98	80-120				RC-G
Lithium	476	10	ug/L	500		95	80-120				RC-G
Magnesium	0.49	0.050	mg/L	0.500		97	80-120				RC-G
Molybdenum	490	10	ug/L	500		98	80-120				RC-G
Nickel	0.49	0.010	mg/L	0.500		98	80-120				RC-G
Potassium	5.6	0.10	mg/L	5.00		113	80-120				RC-G
Selenium	0.48	0.020	mg/L	0.500		96	80-120				RC-G
Sodium	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: 22H0490-41**										
Aluminum	15	0.050	mg/L	0.500	21	NR	75-125			S5	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-G
Calcium	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
Iron	59	0.050	mg/L	0.500	120	NR	75-125			S5	RC-G
Lead	0.24	0.010	mg/L	0.500	ND	49	75-125			S1	RC-G
Lithium	355	10	ug/L	500	37	64	75-125			S1	RC-G
Magnesium	20	0.050	mg/L	0.500	59	NR	75-125			S5	RC-G

Santee Cooper		Project:	Ground Water
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Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags	Lab
Batch B2H1406 - EPA 3005A											
Matrix Spike (B2H1406-MS1)	**Source: 22H0490-41**										
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: 22H0490-41**										
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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Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags	Lab
Batch B2H1456 - EPA 3005A Mod											
Matrix Spike (B2H1456-MS2)	**Source: 22H0490-40**										
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: 22H0490-40**										
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-G
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
Copper	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-G
Lithium	502	10	ug/L	500		100	80-120				RC-G
Molybdenum	510	10	ug/L	500		101	80-120				RC-G
Nickel	0.51	0.010	mg/L	0.500		101	80-120				RC-G
Potassium	5.6	0.10	mg/L	5.00		111	80-120				RC-G
Selenium	0.49	0.020	mg/L	0.500		98	80-120				RC-G
Zinc	0.52	0.010	mg/L	0.500		104	80-120				RC-G

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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: 22H0490-02RE1**										
Potassium	9.0	0.10	mg/L	5.00	1.9	140	75-125			S1	RC-G
Matrix Spike (B2H1706-MS5)	**Source: 22H0490-41RE1**										
Antimony	0.28	0.050	mg/L	0.500	ND	57	75-125			S1	RC-G
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: 22H0490-02RE1**										
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: 22H0490-41RE1**										
Antimony	0.29	0.050	mg/L	0.500	ND	58	75-125	2	20	S1	RC-G
Barium	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
Batch B2H1735 - EPA 3005A Mod											
Blank (B2H1735-BLK1)											
Beryllium	ND	0.002	mg/L								RC-G
Chromium	ND	0.005	mg/L								RC-G
Cobalt	ND	0.001	mg/L								RC-G

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Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags	Lab
Batch B2H1735 - EPA 3005A Mod											
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: 22H0490-24**										
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-G
Matrix Spike Dup (B2H1735-MSD1)	**Source: 22H0490-24**										
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
Cobalt	0.192	0.010	mg/L	0.200	ND	96	75-125	1	20		RC-G

Santee Cooper		Project:	Ground Water
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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-G
LCS (B2H1455-BS1)											
Arsenic, Dissolved	0.200	0.005	mg/L	0.200		100	80-120				RC-G
Matrix Spike (B2H1455-MS1)	**Source: 22H0490-01**										
Arsenic, Dissolved	0.217	0.005	mg/L	0.200	ND	109	75-125				RC-G
Matrix Spike (B2H1455-MS2)	**Source: 22H0490-02**										
Arsenic, Dissolved	0.228	0.005	mg/L	0.200	ND	113	75-125				RC-G
Matrix Spike Dup (B2H1455-MSD1)	**Source: 22H0490-01**										
Arsenic, Dissolved	0.218	0.005	mg/L	0.200	ND	109	75-125	0.4	20		RC-G
Matrix Spike Dup (B2H1455-MSD2)	**Source: 22H0490-02**										
Arsenic, Dissolved	0.227	0.005	mg/L	0.200	ND	113	75-125	0.4	20		RC-G
Batch B2H1456 - EPA 3005A Mod											
Blank (B2H1456-BLK1)											
Arsenic, Dissolved	ND	0.005	mg/L								RC-G
LCS (B2H1456-BS1)											
Arsenic, Dissolved	0.212	0.005	mg/L	0.200		106	80-120				RC-G
Matrix Spike (B2H1456-MS1)	**Source: 22H0490-39**										
Arsenic, Dissolved	0.204	0.005	mg/L	0.200	ND	101	75-125				RC-G
Matrix Spike (B2H1456-MS2)	**Source: 22H0490-40**										
Arsenic, Dissolved	0.211	0.005	mg/L	0.200	0.005	103	75-125				RC-G
Matrix Spike Dup (B2H1456-MSD1)	**Source: 22H0490-39**										
Arsenic, Dissolved	0.210	0.005	mg/L	0.200	ND	105	75-125	3	20		RC-G

Rogers & Callcott ENVIRONMENTAL

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Dissolved Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	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
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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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EPA 3005A	B2H1368	22H0490-37	08/09/2022 08:56	KTH
EPA 3005A	B2H1368	22H0490-38	08/09/2022 08:56	KTH
EPA 3005A	B2H1368	22H0490-39	08/09/2022 08:56	KTH
EPA 3005A	B2H1368	22H0490-40	08/09/2022 08:56	KTH
EPA 3005A	B2H1406	22H0490-41	08/09/2022 15:21	KTH
EPA 3005A	B2H1706	22H0490-41RE1	08/15/2022 13:49	EDM
EPA 3005A	B2H1406	22H0490-42	08/09/2022 15:21	KTH
EPA 3005A	B2H1406	22H0490-43	08/09/2022 15:21	KTH
EPA 3005A	B2H1406	22H0490-44	08/09/2022 15:21	KTH
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

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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

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

EPA 3005A Mod	B2H1735	22H0490-25RE1	08/16/2022 14:46	EDM
EPA 3005A Mod	B2H1392	22H0490-26	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1392	22H0490-27	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1392	22H0490-28	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1392	22H0490-29	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1392	22H0490-30	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1392	22H0490-31	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1392	22H0490-32	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1392	22H0490-33	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1392	22H0490-34	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1455	22H0490-34	08/10/2022 08:49	CAL
EPA 3005A Mod	B2H1392	22H0490-35	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1455	22H0490-35	08/10/2022 08:49	CAL
EPA 3005A Mod	B2H1392	22H0490-36	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1455	22H0490-36	08/10/2022 08:49	CAL
EPA 3005A Mod	B2H1392	22H0490-37	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1455	22H0490-37	08/10/2022 08:49	CAL
EPA 3005A Mod	B2H1392	22H0490-38	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1455	22H0490-38	08/10/2022 08:49	CAL
EPA 3005A Mod	B2H1392	22H0490-39	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1456	22H0490-39	08/10/2022 08:49	CAL
EPA 3005A Mod	B2H1392	22H0490-40	08/09/2022 13:12	CAL
EPA 3005A Mod	B2H1456	22H0490-40	08/10/2022 08:49	CAL
EPA 3005A Mod	B2H1404	22H0490-41	08/09/2022 15:21	KTH
EPA 3005A Mod	B2H1456	22H0490-41	08/10/2022 08:49	CAL
EPA 3005A Mod	B2H1404	22H0490-42	08/09/2022 15:21	KTH
EPA 3005A Mod	B2H1456	22H0490-42	08/10/2022 08:49	CAL
EPA 3005A Mod	B2H1404	22H0490-43	08/09/2022 15:21	KTH
EPA 3005A Mod	B2H1456	22H0490-43	08/10/2022 08:49	CAL
EPA 3005A Mod	B2H1404	22H0490-44	08/09/2022 15:21	KTH
EPA 3005A Mod	B2H1456	22H0490-44	08/10/2022 08:49	CAL
EPA 3005A Mod	B2H1404	22H0490-45	08/09/2022 15:21	KTH
EPA 3005A Mod	B2H1456	22H0490-45	08/10/2022 08:49	CAL
EPA 3005A Mod	B2H1404	22H0490-46	08/09/2022 15:21	KTH
EPA 3005A Mod	B2H1456	22H0490-46	08/10/2022 08:49	CAL
EPA 3005A Mod	B2H1404	22H0490-47	08/09/2022 15:21	KTH
EPA 3005A Mod	B2H1456	22H0490-47	08/10/2022 08:49	CAL
EPA 3005A Mod	B2H1404	22H0490-48	08/09/2022 15:21	KTH
EPA 3005A Mod	B2H1456	22H0490-48	08/10/2022 08:49	CAL

Rogers & Callcott ENVIRONMENTAL

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

ND	Analyte NOT DETECTED at or above the reporting limit
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:

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

22H0490

Contract Lab Info: R/C Contract Lab Due Date (Lab Only): 8 / 18 FI / 22 Send report to lcwillia@santeecooper.com & sjbrown@santeecooper.com

Chain of Custody

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

Customer Email/Report Recipient: LCWILLIA @santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / JM02.08.601.1 / 36500

Rerun request for any flagged QC Yes No

Analysis 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)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	TOTAL METALS -SEE BELOW	DISSOLVED As		
-01	AF36903	POZ-4	6/28/22	1135	DEW ML	2	P	G	GW	2	PLEASE SEE ATTACHED	X	X		
-02	905	POZ-6	"	1322	"	"	"	"	"	"	SHEET FOR RLS.	X	X		
-03	906	POZ-7	"	1441	"	"	"	"	"	"		X	X		
-04	907	POZ-7 DUP	"	1446	"	"	"	"	"	"		X	X		
-05	AF36894	CLFIB-1	6/27/22	0926	"	"	"	"	"	"		X	X		
-06	895	CLFIB-1 DUP	"	0931	"	"	"	"	"	"		X	X		
-07	896	CLFIB-2	"	1055	"	"	"	"	"	"		X	X		
-08	897	CLFIB-3	"	1144	"	"	"	"	"	"		X	X		
-09	898	CLFIB-4	"	1253	"	"	"	"	"	"		X	X		
-10	899	CLFIB-5	"	1348	"	"	"	"	"	"		X	X		

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
SJBrown	35594	8/4/22	1500			8/5/22	1100
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)
TEMP (°C): 24.8 Initial:
Correct pH: Yes No
Preservative Lot#:
Date/Time/Init for preservative:

☐ METALS (all)

☐ Ag	☑ Cu	☑ Sb
☑ Al	☑ Fe	☑ Se
☑ As	☑ K	☐ Sn
☑ B	☑ Li	☐ Sr
☑ Ba	☑ Mg	☐ Ti
☑ Be	☐ Mn	☑ Tl
☑ Ca	☑ Mo	☐ V
☑ Cd	☑ Na	☑ Zn
☑ Co	☑ Ni	☐ Hg
☑ Cr	☑ Pb	☐ CrVI

Nutrients
☐ TOC
☐ DOC
☐ TP/TPO4
☐ NH3-N
☐ F
☐ Cl
☐ NO2
☐ Br
☐ NO3
☐ SO4

MISC.
☐ BTEX
☐ Napthalene
☐ THM/HAA
☐ VOC
☐ Oil & Grease
☐ E. Coli
☐ Total Coliform
☐ pH
☐ Dissolved As
☐ Dissolved Fe
☐ Rad 226
☐ Rad 228
☐ PCB

Gypsum
☐ Wallboard Gypsum(*all below*)
☐ AIM
☐ TOC
☐ Total metals
☐ Soluble Metals
☐ Purity (CaSO4)
☐ % Moisture
☐ Sulfites
☐ pH
☐ Chlorides
☐ Particle Size
☐ Sulfur

Coal
☐ Ultimate
☐ % Moisture
☐ Ash
☐ Sulfur
☐ BTUs
☐ Volatile Matter
☐ CHN
Other Tests:
☐ XRF Scan
☐ HGI
☐ Fineness
☐ Particulate Matter

Flyash
☐ Ammonia
☐ LOI
☐ % Carbon
☐ Mineral Analysis
☐ Sieve
☐ % Moisture

NPDES
☐ Oil & Grease
☐ As
☐ TSS

Oil
☐ Trans. Oil Qual.
☐ %Moisture
☐ Color
☐ Acidity
☐ Dielectric Strength
☐ IFT
☐ Dissolved Gases
☐ Used Oil
☐ Flashpoint
☐ Metals in oil (As,Cd,Cr,Ni,Pb Hg)
☐ TX
☐ GOFER

Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler 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=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

Contract Lab Info: R/C Contract Lab Due Date (Lab Only): 8 / 19 / 22 Send report to lcwillia@santeecooper.com & sjbrown@santeecooper.com

22H0490

Chain of Custody

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

Customer Email/Report Recipient: LCWILLIA@santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / JM08.601.1 / 36500

Rerun request for any flagged QC Yes No

	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)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	Analysis Group: TOTAL METALS -SEE BELOW	DISSOLVED AS		
-11	AF36900	CLFIB-5D	6/27/22	1447	DEW ML	2	P	G	GW	2	PLEASE SEE ATTACHED SHEET FOR RLS.	X	X		
-12	902	POZ-3	1	1546	1	1	1	1	1	1		X	X		
-13	904	POZ-5D	6/28/22	1003	1	1	1	1	1	1		X	X		

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
SJBrown	35594	8/19/22	1500	[signature]		8/19/22	1100
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)
TEMP (°C): 24.8 Initial: VP
Correct pH: Yes No
Preservative Lot#:
Date/Time/Init for preservative:

☐ METALS (all)

☐ Ag	☒ Cu	☒ Sb
☒ Al	☒ Fe	☒ Se
☒ As	☒ K	☐ Sn
☒ B	☒ Li	☐ Sr
☒ Ba	☒ Mg	☐ Ti
☒ Be	☐ Mn	☒ Tl
☒ Ca	☒ Mo	☐ V
☒ Cd	☒ Na	☒ Zn
☒ Co	☒ Ni	☐ Hg
☒ Cr	☒ Pb	☐ CrVI

Nutrients
☐ TOC
☐ DOC
☐ TP/TPO4
☐ NH3-N
☐ F
☐ Cl
☐ NO2
☐ Br
☐ NO3
☐ SO4

MISC.
☐ BTEX
☐ Napthalene
☐ THM/HAA
☐ VOC
☐ Oil & Grease
☐ E. Coli
☐ Total Coliform
☐ pH
☐ Dissolved As
☐ Dissolved Fe
☐ Rad 226
☐ Rad 228
☐ PCB

Gypsum
☐ Wallboard Gypsum(*all below*)
☐ AIM
☐ TOC
☐ Total metals
☐ Soluble Metals
☐ Purity (CaSO4)
☐ % Moisture
☐ Sulfites
☐ pH
☐ Chlorides
☐ Particle Size
☐ Sulfur

Coal
☐ Ultimate
☐ % Moisture
☐ Ash
☐ Sulfur
☐ BTUs
☐ Volatile Matter
☐ CHN
Other Tests:
☐ XRF Scan
☐ HGI
☐ Fineness
☐ Particulate Matter

Flyash
☐ Ammonia
☐ LOI
☐ % Carbon
☐ Mineral Analysis
☐ Sieve
☐ % Moisture

NPDES
☐ Oil & Grease
☐ As
☐ TSS

Oil
☐ Trans. Oil Qual.
☐ %Moisture
☐ Color
☐ Acidity
☐ Dielectric Strength
☐ IFT
☐ Dissolved Gases
☐ Used Oil
☐ Flashpoint
☐ Metals in oil (As,Cd,Cr,Ni,Pb Hg)
☐ TX
☐ GOFER

Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler 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=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

Contract Lab Info: R/C Contract Lab Due Date (Lab Only): 8/18/19/22 Send report to lcwillia@santeecooper.com & sjbrown@santeecooper.com

22H0490

Chain of Custody

santee cooper
Santee Coope
One Riverwood Driv
Moncks Corner, SC 2946
Phone: (843)761-8000 Ext. 514
Fax: (843)761-417

Customer Email/Report Recipient: LCWILLIA@santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / JM02.09.601.1 / 36500

Rerun request for any flagged QC Yes No

	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)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	Analysis Group: TOTAL METALS - SEE BELOW	DISSOLVED METALS		
-14	AF36886	CCMLF-1D	6/29/22	1033	DEN ML	1	P	G	GW	2	PLEASE SEE SHEET.	X			
-15	887	CCMLF-2		1140								X			
-16	877	CCMAP-1		1310								X			
-17	883	CCMAP-6		1408								X			
-18	879	CCMAP-3	6/30/22	0930								X			
-19	878	CCMAP-2		1033								X			
-20	884	CCMAP-7		1129								X			
-21	880	CCMAP-4		1240								X			
-22	881	CCMAP-4 DUP		1245								X			
-23	882	CCMAP-5		1406								X			

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
[signature]	35594	8/19/22	1500	[signature]		8/15/22	1100
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)
TEMP (°C): 24.8 Initial: [initials]
Correct pH: Yes No
Preservative Lot#:
Date/Time/Init for preservative:

☐ METALS (all)

☐ Ag	☒ Cu	☒ Sb
☒ Al	☒ Fe	☒ Se
☒ As	☒ K	☐ Sn
☒ B	☒ Li	☐ Sr
☒ Ba	☒ Mg	☐ Ti
☒ Be	☐ Mn	☒ Tl
☒ Ca	☒ Mo	☐ V
☒ Cd	☒ Na	☒ Zn
☒ Co	☒ Ni	☐ Hg
☒ Cr	☒ Pb	☐ CrVI

Nutrients
☐ TOC
☐ DOC
☐ TP/TPO4
☐ NH3-N
☐ F
☐ Cl
☐ NO2
☐ Br
☐ NO3
☐ SO4

MISC.
☐ BTEX
☐ Napthalene
☐ THM/HAA
☐ VOC
☐ Oil & Grease
☐ E. Coli
☐ Total Coliform
☐ pH
☐ Dissolved As
☐ Dissolved Fe
☐ Rad 226
☐ Rad 228
☐ PCB

Gypsum
☐ Wallboard Gypsum(*all below*)
☐ AIM
☐ TOC
☐ Total metals
☐ Soluble Metals
☐ Purity (CaSO4)
☐ % Moisture
☐ Sulfites
☐ pH
☐ Chlorides
☐ Particle Size
☐ Sulfur

Coal
☐ Ultimate
☐ % Moisture
☐ Ash
☐ Sulfur
☐ BTUs
☐ Volatile Matter
☐ CHN
Other Tests:
☐ XRF Scan
☐ HGI
☐ Fineness
☐ Particulate Matter

Flyash
☐ Ammonia
☐ LOI
☐ % Carbon
☐ Mineral Analysis
☐ Sieve
☐ % Moisture

NPDES
☐ Oil & Grease
☐ As
☐ TSS

Oil
☐ Trans. Oil Qual.
☐ %Moisture
☐ Color
☐ Acidity
☐ Dielectric Strength
☐ IFT
☐ Dissolved Gases
☐ Used Oil
☐ Flashpoint
☐ Metals in oil (As,Cd,Cr,Ni,Pb Hg)
☐ TX
☐ GOFER

Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler 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=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

Contract Lab Info: R/C Contract Lab Due Date (Lab Only): 8 / 19 / 22 Send report to lcwillia@santeecooper.com & sjbrown@santeecooper.com

2274490

Chain of Custody

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

Customer Email/Report Recipient: LCWILLIA@santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / JM02.09.G01.1 / 36500

Rerun request for any flagged QC Yes No

	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)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	Analysis Group: TOTAL METALS -SEE BELOW	Analysis Group: DISSOLVED AS		
24	AF36876	CBW-1	6/20/22	1416	DEW ML	1	P	G	GW	2	PLEASE SEE SHEET.	X	X		
25	901	PM-1	〃	1531	〃	〃	〃	〃	〃	〃		X	X		
26	888	CGYP-1	6/21/22	1004	〃	〃	〃	〃	〃	〃		X			
27	889	CGYP-2	〃	1109	〃	〃	〃	〃	〃	〃		X			
28	890	CGYP-2 DUP	〃	1114	〃	〃	〃	〃	〃	〃		X			
29	891	CGYP-3	〃	1231	〃	〃	〃	〃	〃	〃		X			
30	892	CGYP-4	〃	1323	〃	〃	〃	〃	〃	〃		X			
31	893	CGYP-6	〃	1423	〃	〃	〃	〃	〃	〃		X			
32	908	POZ-8	6/28/22	1050	〃	〃	〃	〃	〃	〃		X			
33	885	CCMLF-1	6/29/22	0930	〃	〃	〃	〃	〃	〃		X			

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
[illegible]	35594	8/[illegible]/22	1500	[signature]		8/15/22	1100
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)
TEMP (°C): 24.8 **Initial:** [signature]
Correct pH: Yes No
Preservative Lot#:
Date/Time/Init for preservative:

☐ METALS (all)

☐ Ag	☒ Cu	☒ Sb
☒ Al	☒ Fe	☒ Se
☒ As	☒ K	☐ Sn
☒ B	☒ Li	☐ Sr
☒ Ba	☒ Mg	☐ Ti
☒ Be	☐ Mn	☒ Tl
☒ Ca	☒ Mo	☐ V
☒ Cd	☒ Na	☒ Zn
☒ Co	☒ Ni	☐ Hg
☒ Cr	☒ Pb	☐ CrVI

Nutrients
☐ TOC
☐ DOC
☐ TP/TPO4
☐ NH3-N
☐ F
☐ Cl
☐ NO2
☐ Br
☐ NO3
☐ SO4

MISC.
☐ BTEX
☐ Napthalene
☐ THM/HAA
☐ VOC
☐ Oil & Grease
☐ E. Coli
☐ Total Coliform
☐ pH
☐ Dissolved As
☐ Dissolved Fe
☐ Rad 226
☐ Rad 228
☐ PCB

Gypsum
☐ **Wallboard Gypsum(*all below*)**
☐ AIM
☐ TOC
☐ Total metals
☐ Soluble Metals
☐ Purity (CaSO4)
☐ % Moisture
☐ Sulfites
☐ pH
☐ Chlorides
☐ Particle Size
☐ Sulfur

Coal
☐ **Ultimate**
☐ % Moisture
☐ Ash
☐ Sulfur
☐ BTUs
☐ Volatile Matter
☐ CHN
Other Tests:
☐ XRF Scan
☐ HGI
☐ Fineness
☐ Particulate Matter

Flyash
☐ Ammonia
☐ LOI
☐ % Carbon
☐ Mineral Analysis
☐ Sieve
☐ % Moisture

NPDES
☐ Oil & Grease
☐ As
☐ TSS

Oil
☐ **Trans. Oil Qual.**
☐ %Moisture
☐ Color
☐ Acidity
☐ Dielectric Strength
☐ IFT
☐ Dissolved Gases
☐ **Used Oil**
☐ Flashpoint
☐ Metals in oil (As,Cd,Cr,Ni,Pb Hg)
☐ TX
☐ **GOFER**

Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler 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=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

Contract Lab Info: R/C Contract Lab Due Date (Lab Only): 8 / 19 / 22 Send report to lcwillia@santeecooper.com & sjbrown@santeecooper.com

22H0490

Chain of Custody

santee cooper
Santee Coope
One Riverwood Driv
Moncks Corner, SC 2946
Phone: (843)761-8000 Ext. 514
Fax: (843)761-417

Customer Email/Report Recipient: LCWILLIA @santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / JM02.08.G01.9 / 36500

Rerun request for any flagged QC Yes No

	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)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	Analysis Group: TOTAL METALS -SEE BELOW	Analysis Group: DISSOLVED AS		
34	AF36873	CAP-12	6/21/22	1518	DEW ML	2	P	G	GW	2	PLEASE SEE SHEET.	X	X		
35	875	CAP-14	6/22/22	0939								X	X		
36	872	CAP-11	"	1357								X	X		
37	862	CAP-2	"	1202								X	X		
38	874	CAP-13	"	1027								X	X		
39	861	CAP-1	"	1253								X	X		
40	871	CAP-10	"	1445								X	X		
41	869	CAP-9	"	1540								X	X		
42	870	CAP-9 DUP	"	1545								X	X		

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
[signature]	35594	8/18/22	1500	[signature]		8/15/22	1100
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)
TEMP (°C): 24.8 **Initial:** [initials]
Correct pH: Yes No
Preservative Lot#:
Date/Time/Init for preservative:

☐ **METALS (all)**

☐ Ag	☒ Cu	☒ Sb
☒ Al	☒ Fe	☒ Se
☒ As	☒ K	☐ Sn
☒ B	☒ Li	☐ Sr
☒ Ba	☒ Mg	☐ Ti
☒ Be	☐ Mn	☒ Tl
☒ Ca	☒ Mo	☐ V
☒ Cd	☒ Na	☒ Zn
☒ Co	☒ Ni	☐ Hg
☒ Cr	☒ Pb	☐ CrVI

Nutrients
☐ TOC
☐ DOC
☐ TP/TPO4
☐ NH3-N
☐ F
☐ Cl
☐ NO2
☐ Br
☐ NO3
☐ SO4

MISC.
☐ BTEX
☐ Napthalene
☐ THM/HAA
☐ VOC
☐ Oil & Grease
☐ E. Coli
☐ Total Coliform
☐ pH
☐ Dissolved As
☐ Dissolved Fe
☐ Rad 226
☐ Rad 228
☐ PCB

Gypsum
☐ **Wallboard Gypsum(*all below*)**
☐ AIM
☐ TOC
☐ Total metals
☐ Soluble Metals
☐ Purity (CaSO4)
☐ % Moisture
☐ Sulfites
☐ pH
☐ Chlorides
☐ Particle Size
☐ Sulfur

Coal
☐ **Ultimate**
☐ % Moisture
☐ Ash
☐ Sulfur
☐ BTUs
☐ Volatile Matter
☐ CHN
Other Tests:
☐ XRF Scan
☐ HGI
☐ Fineness
☐ Particulate Matter

Flyash
☐ Ammonia
☐ LOI
☐ % Carbon
☐ Mineral Analysis
☐ Sieve
☐ % Moisture

NPDES
☐ Oil & Grease
☐ As
☐ TSS

Oil
☐ **Trans. Oil Qual.**
☐ %Moisture
☐ Color
☐ Acidity
☐ Dielectric Strength
☐ IFT
☐ Dissolved Gases
☐ **Used Oil**
☐ Flashpoint
☐ Metals in oil (As,Cd,Cr,Ni,Pb Hg)
☐ TX
☐ **GOFER**

Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler 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=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

Contract Lab Info: R/C Contract Lab Due Date (Lab Only): 8/19/22 Send report to lcwillia@santeecooper.com & sjbrown@santeecooper.com 22170490

Chain of Custody

santee cooper
Santee Coope
One Riverwood Driv
Moncks Corner, SC 29461
Phone: (843)761-8000 Ext. 5145
Fax: (843)761-4175

Customer Email/Report Recipient: LCWILLIA @santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / JM02.08.G01.3 / 36500

Rerun request for any flagged QC Yes No

	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)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	Analysis Group: TOTAL METALS -SEE BELOW	Analysis Group: DISSOLVED AS		
-43	AF36868	CAP-8	6/23/22	1005	DEW DJ	2	P	G	GW	2	PLEASE SEE SHEET.	X	X		
-44	867	CAP-7	"	1116	"	"	"	"	"	"		X	X		
45	866	CAP-6	"	1215	"	"	"	"	"	"		X	X		
-46	865	CAP-5	"	1327	"	"	"	"	"	"		X	X		
47	864	CAP-4	"	1449	"	"	"	"	"	"		X	X		
48	863	CAP-3	"	1608	"	"	"	"	"	"		X	X		

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
[illegible]	35594	8/23/22	1500	[illegible]		8/25/22	1100
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)
TEMP (°C): 24.8 Initial: [illegible]
Correct pH: Yes No
Preservative Lot#:
Date/Time/Init for preservative:

☐ METALS (all)

☐ Ag	☒ Cu	☒ Sb
☒ Al	☒ Fe	☒ Se
☒ As	☒ K	☐ Sn
☒ B	☒ Li	☐ Sr
☒ Ba	☒ Mg	☐ Ti
☒ Be	☐ Mn	☒ Tl
☒ Ca	☐ Mo	☐ V
☒ Cd	☒ Na	☒ Zn
☐ Co	☒ Ni	☐ Hg
☒ Cr	☒ Pb	☐ CrVI

Nutrients
☐ TOC
☐ DOC
☐ TP/TPO4
☐ NH3-N
☐ F
☐ Cl
☐ NO2
☐ Br
☐ NO3
☐ SO4

MISC.
☐ BTEX
☐ Napthalene
☐ THM/HAA
☐ VOC
☐ Oil & Grease
☐ E. Coli
☐ Total Coliform
☐ pH
☐ Dissolved As
☐ Dissolved Fe
☐ Rad 226
☐ Rad 228
☐ PCB

Gypsum
☐ Wallboard Gypsum(*all below*)
☐ AIM
☐ TOC
☐ Total metals
☐ Soluble Metals
☐ Purity (CaSO4)
☐ % Moisture
☐ Sulfites
☐ pH
☐ Chlorides
☐ Particle Size
☐ Sulfur

Coal
☐ Ultimate
☐ % Moisture
☐ Ash
☐ Sulfur
☐ BTUs
☐ Volatile Matter
☐ CHN
Other Tests:
☐ XRF Scan
☐ HGI
☐ Fineness
☐ Particulate Matter

Flyash
☐ Ammonia
☐ LOI
☐ % Carbon
☐ Mineral Analysis
☐ Sieve
☐ % Moisture

NPDES
☐ Oil & Grease
☐ As
☐ TSS

Oil
☐ Trans. Oil Qual.
☐ %Moisture
☐ Color
☐ Acidity
☐ Dielectric Strength
☐ IFT
☐ Dissolved Gases
☐ Used Oil
☐ Flashpoint
☐ Metals in oil (As,Cd,Cr,Ni,Pb Hg)
☐ TX
☐ GOFER

Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler 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=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

Table of Reporting Limits for Groundwater Samples-- Metals 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	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

Rogers & Callcott
Engineering | Environmental | Laboratory

Sample Receipt Verification

Client: Santee Cooper | Date Received: 8/5/22 | Work Order: 22H0490

Carrier Name: Client | Other: | Tracking 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)?	✔			
Number of bottles on COC agrees with number of bottles 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 receipt in the lab.	✔			
Samples dechlorinated for parameters requiring chlorine removal at the time of sample collection?			✔	

If in-house preservation used – record Lot #			
HCL		H_3PO_4	
H_2SO_4		NaOH	
HNO_3		Other	

Comments:

Were non-conformance issues noted at sample receipt? No

Non-Conformance issue other than noted above:

Revised July 2014

Completed by: KAB

GEL Laboratories LLC
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

Julie Robinson
Project Manager

Purchase Order: 398684
Enclosures

GEL LABORATORIES LLC
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 Julie Robinson

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

Certificate of Analysis

Report Date: June 29, 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: AF36876
Sample ID: 584114001
Matrix: Ground Water
Collect Date: 20-JUN-22 14:16
Receive Date: 24-JUN-22
Collector: Client

Project: SOOP00119
Client ID: SOOP001

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	06/29/22	1029	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
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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

Certificate of Analysis

Report Date: June 29, 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: 584114002
Matrix: Ground Water
Collect Date: 20-JUN-22 15:31
Receive Date: 24-JUN-22
Collector: Client

Project: SOOP00119
Client ID: SOOP001

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	06/29/22	1031	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
MDC: Minimum Detectable Concentration
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PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: June 29, 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: AF36888
Sample ID: 584114003
Matrix: Ground Water
Collect Date: 21-JUN-22 10:04
Receive Date: 24-JUN-22
Collector: Client

Project: SOOP00119
Client ID: SOOP001

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	06/29/22	1032	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
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: June 29, 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: AF36889
Sample ID: 584114004
Matrix: Ground Water
Collect Date: 21-JUN-22 11:09
Receive Date: 24-JUN-22
Collector: Client

Project: SOOP00119
Client ID: SOOP001

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	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
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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

Certificate of Analysis

Report Date: June 29, 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: AF36890
Sample ID: 584114005
Matrix: Ground Water
Collect Date: 21-JUN-22 11:14
Receive Date: 24-JUN-22
Collector: Client

Project: SOOP00119
Client ID: SOOP001

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	06/29/22	1036	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
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: June 29, 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: 584114006
Matrix: Ground Water
Collect Date: 21-JUN-22 12:31
Receive Date: 24-JUN-22
Collector: Client

Project: SOOP00119
Client ID: SOOP001

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	06/29/22	1041	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
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: June 29, 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: 584114007
Matrix: Ground Water
Collect Date: 21-JUN-22 13:23
Receive Date: 24-JUN-22
Collector: Client

Project: SOOP00119
Client ID: SOOP001

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	06/29/22	1043	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
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: June 29, 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: AF36893
Sample ID: 584114008
Matrix: Ground Water
Collect Date: 21-JUN-22 14:23
Receive Date: 24-JUN-22
Collector: Client

Project: SOOP00119
Client ID: SOOP001

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	06/29/22	1045	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
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: June 29, 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: AF36874
Sample ID: 584114009
Matrix: Ground Water
Collect Date: 22-JUN-22 10:27
Receive Date: 24-JUN-22
Collector: Client

Project: SOOP00119
Client ID: SOOP001

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	06/29/22	1046	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
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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

Certificate of Analysis

Report Date: June 29, 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: AF36861
Sample ID: 584114010
Matrix: Ground Water
Collect Date: 22-JUN-22 12:53
Receive Date: 24-JUN-22
Collector: Client

Project: SOOP00119
Client ID: SOOP001

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	06/29/22	1048	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
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: June 29, 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: 584114011
Matrix: Ground Water
Collect Date: 22-JUN-22 14:45
Receive Date: 24-JUN-22
Collector: Client

Project: SOOP00119
Client ID: SOOP001

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	06/29/22	1050	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
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
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Certificate of Analysis

Report Date: June 29, 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: AF36869
Sample ID: 584114012
Matrix: Ground Water
Collect Date: 22-JUN-22 15:40
Receive Date: 24-JUN-22
Collector: Client

Project: SOOP00119
Client ID: SOOP001

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	06/29/22	1051	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
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
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Certificate of Analysis

Report Date: June 29, 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: AF36870
Sample ID: 584114013
Matrix: Ground Water
Collect Date: 22-JUN-22 15:45
Receive Date: 24-JUN-22
Collector: Client

Project: SOOP00119
Client ID: SOOP001

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	06/29/22	1053	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
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
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	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis-Mercury										
Batch 2282950										
QC1205126641 LCS										
Mercury	2.00			2.01	ug/L		101	(80%-120%)	JP2	06/29/22 10:05
QC1205126640 MB										
Mercury			U	ND	ug/L					06/29/22 10:03
QC1205126642 582287002 MS										
Mercury	2.00 U	ND		1.61	ug/L		80.3	(75%-125%)		06/29/22 10:08
QC1205126643 582287002 MSD										
Mercury	2.00 U	ND		1.64	ug/L	2.04	81.9	(0%-20%)		06/29/22 10:10
QC1205126644 582287002 SDILT										
Mercury	U	ND	U	ND	ug/L	N/A		(0%-10%)		06/29/22 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.

QC Summary

Workorder: **584114**

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.

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.

584114/4117

Contract Lab Info: GEL Contract Lab Due Date (Lab Only): 7 / 7 / 22 Send report to lcwillia@santeecooper.com & sjbrown@santeecooper.com

Chain of Custody

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

Customer Email/Report Recipient: LCWILLIA @santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / JM02.09.GB1-1 / 36500

Rerun request for any flagged QC Yes No

Analysis 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)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	TOC			
AF36876	CBW-1	6/20/22	1416	JEW/ML	1	G	G	GW	3		X			
AF36901	PM-1	1	1531	1	1	G	G	GW	3		X			

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
SJBrown	35594	6/24/22	0935		GEL	6/24/22	0935
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
			1505		GEL	6/24/22	1505
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)
TEMP (°C): _____ Initial: _____
Correct pH: Yes No
Preservative Lot#:
Date/Time/Init for preservative:

☐ METALS (all)		
☐ Ag	☐ Cu	☐ Sb
☐ Al	☐ Fe	☐ Se
☐ As	☐ K	☐ Sn
☐ B	☐ Li	☐ Sr
☐ Ba	☐ Mg	☐ Ti
☐ Be	☐ Mn	☐ Tl
☐ Ca	☐ Mo	☐ V
☐ Cd	☐ Na	☐ Zn
☐ Co	☐ Ni	☐ Hg
☐ Cr	☐ Pb	☐ CrVI

Nutrients
☐ TOC
☐ DOC
☐ TP TPO4
☐ NH3-N
☐ F
☐ Cl
☐ NO2
☐ Br
☐ NO3
☐ SO4

MISC.
☐ BTEX
☐ Napthalene
☐ THM/HAA
☐ VOC
☐ Oil & Grease
☐ E. Coli
☐ Total Coliform
☐ pH
☐ Dissolved As
☐ Dissolved Fe
☐ Rad 226
☐ Rad 228
☐ PCB

Gypsum
☐ Wallboard Gypsum(*all below*)
☐ AIM
☐ TOC
☐ Total metals
☐ Soluble Metals
☐ Purity (CaSO4)
☐ % Moisture
☐ Sulfites
☐ pH
☐ Chlorides
☐ Particle Size
☐ Sulfur

Coal
☐ Ultimate
☐ % Moisture
☐ Ash
☐ Sulfur
☐ BTUs
☐ Volatile Matter
☐ CHN
Other Tests:
☐ XRF Scan
☐ HGI
☐ Fineness
☐ Particulate Matter

Flyash
☐ Ammonia
☐ LOI
☐ % Carbon
☐ Mineral Analysis
☐ Sieve
☐ % Moisture

NPDES
☐ Oil & Grease
☐ As
☐ TSS

Oil
Trans. Oil Qual.
Viscosity
Color
Acidity
Dielectric Strength
IFT
Dissolved Gases
Used Oil
Flashpoint
Metals in oil
(As, Cd, Cr, Ni, Pb, Hg)
PCB
COPPER

Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler 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=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

584117/4114

RAD-20 DAYS

Contract Lab Info: GEL Contract Lab Due Date (Lab Only): 7 / 5 / 22 Send report to lcwillia@santeecooper.com & sjbrown@santeecooper.com

Chain of Custody

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

Customer Email/Report Recipient: LCWILLIA @santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / JM02.09.601.1 / 36500

Rerun request for any flagged QC Yes No

Analysis 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)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	RAD 226/228	TOTAL RAD CALC.	Hg	
AF36876	CBW-1	6/20/22	1416	DEW/ML	3	P	G	GW	2	Hg 7470 RL < 0.200 ug/L	2	X	1	
AF36901	PM-1	〃	1531	〃	〃						2	X	1	
AF36888	CGYP-1	6/21/22	1004											
89	CGYP-2		1109											
90	CGYP-2 DUP		1114											
91	CGYP-3		1231											
92	CGYP-4		1323											
93	CGYP-6		1423											

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
SJBrown	33594	6/24/22	0846		GEL	6/24/22	0935
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
		6/24/22	1515		GEL	6/24/22	1515
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)
TEMP (°C): _____ Initial: _____
Correct pH: Yes No
Preservative Lot#:
Date/Time/Init for preservative:

☐ METALS (all)		
☐ Ag	☐ Cu	☐ Sb
☐ Al	☐ Fe	☐ Se
☐ As	☐ K	☐ Sn
☐ B	☐ Li	☐ Sr
☐ Ba	☐ Mg	☐ Ti
☐ Be	☐ Mn	☐ Tl
☐ Ca	☐ Mo	☐ V
☐ Cd	☐ Na	☐ Zn
☐ Co	☐ Ni	☐ Hg
☐ Cr	☐ Pb	☐ CrVI

Nutrients
☐ TOC
☐ DOC
☐ TP/TPO4
☐ NH3-N
☐ F
☐ Cl
☐ NO2
☐ Br
☐ NO3
☐ SO4

MISC.
☐ BTEX
☐ Napthalene
☐ THM/HAA
☐ VOC
☐ Oil & Grease
☐ E. Coli
☐ Total Coliform
☐ pH
☐ Dissolved As
☐ Dissolved Fe
☐ Rad 226
☐ Rad 228
☐ PCB

Gypsum
☐ Wallboard Gypsum(all below)
AIM
TOC
Total metals
Soluble Metals
Purity (CaSO4)
% Moisture
Sulfites
pH
Chlorides
Particle Size
Sulfur

Coal
☐ Ultimate
☐ % Moisture
☐ Ash
☐ Sulfur
☐ BTUs
☐ Volatile Matter
☐ CHN
Other Tests:
XRF Scan
HGI
Fineness
Particulate Matter

Flyash
☐ Ammonia
☐ LOI
☐ % Carbon
☐ Mineral Analysis
☐ Sieve
☐ % Moisture

NPDES
☐ Oil & Grease
☐ As
☐ TSS

Oil
Trans. Oil Qual.
%Moisture
Color
Acidity
Dielectric Strength
IFT
Dissolved Gases
Used Oil
Flashpoint
Metals in oil (As,Cd,Cr,Ni,Pb Hg)
TAN
COPPER

Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler 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=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

RAD - 20 DAYS

Contract Lab Info: GEL Contract Lab Due Date (Lab Only): 7 / 5 / 22 Send report to lcwillia@santeecooper.com & sjbrown@santeecooper.com

Chain of Custody

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

Customer Email/Report Recipient: LCWILLIA @santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / JM02.08.G01.3 / 36500

Rerun request for any flagged QC Yes No

Analysis 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)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	RAD 226/228	TOTAL RAD CALC	Hg
~~AF-36873~~	~~CAP-12~~	~~6/21/22~~	~~1518~~	DEW/ML						Hg-7471 RL < 0.200 ug/L	~~2~~	~~X~~	~~1~~
AF-B 36874	CAP-13	6/22/22	1027	DEW/ML	3	P	G	GW	2		2		1
861	CAP-1		1253										
871	CAP-10		1445										
869	CAP-9		1540										
870	CAP-9 DUP		1545										

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
SJBrown	35594	6/24/22	0926		GEL	6/24/22	0926
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
	GEL	6/24/22	1515		GEL	6/24/22	1515
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)
TEMP (°C): _____ Initial: _____
Correct pH: Yes No
Preservative Lot#:
Date/Time/Init for preservative:

☐ METALS (all)		
☐ Ag	☐ Cu	☐ Sb
☐ Al	☐ Fe	☐ Se
☐ As	☐ K	☐ Sn
☐ B	☐ Li	☐ Sr
☐ Ba	☐ Mg	☐ Ti
☐ Be	☐ Mn	☐ Tl
☐ Ca	☐ Mo	☐ V
☐ Cd	☐ Na	☐ Zn
☐ Co	☐ Ni	☐ Hg
☐ Cr	☐ Pb	☐ CrVI

Nutrients
☐ TOC
☐ DOC
☐ TP/TPO4
☐ NH3-N
☐ F
☐ Cl
☐ NO2
☐ Br
☐ NO3
☐ SO4

MISC.
☐ BTEX
☐ Napthalene
☐ THM/HAA
☐ VOC
☐ Oil & Grease
☐ E. Coli
☐ Total Coliform
☐ pH
☐ Dissolved As
☐ Dissolved Fe
☐ Rad 226
☐ Rad 228
☐ PCB

Gypsum
☐ Wallboard Gypsum(all below)
AIM
TOC
Total metals
Soluble Metals
Purity (CaSO4)
% Moisture
Sulfites
pH
Chlorides
Particle Size
Sulfur

Coal
☐ Ultimate
☐ % Moisture
☐ Ash
☐ Sulfur
☐ BTUs
☐ Volatile Matter
☐ CHN
Other Tests:
XRF Scan
HGI
Fineness
Particulate Matter

Flyash
☐ Ammonia
☐ LOI
☐ % Carbon
☐ Mineral Analysis
☐ Sieve
☐ % Moisture

NPDES
☐ Oil & Grease
☐ As
☐ TSS

Oil
Trans. Oil Qual.
% Moisture
Color
Acidity
Dielectric Strength
IFT
Dissolved Gases
Used Oil
Flashpoint
Metals in oil (As,Cd,Cr,Ni,Pb, Hg)
TN
GOEER

Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler 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=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

J

Client: SCOP	**SDG/AR/COC/Work Order:** 584105/4103/4102/4117/4114/4100
Received By: MVH	**Date Received:** 06/24/2022
Carrier and Tracking Number	Circle Applicable: FedEx Express FedEx Ground UPS Field Services Courier Other

KW 10-27-4100

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	Hazard 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	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		X	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 5 CPM / mR/Hr **Classified as: Rad 1 Rad 2 Rad 3**
D) Did the client designate samples are hazardous?		X	COC notation or hazard labels on containers equal client designation.
E) Did the RSO identify possible hazards?		X	If D or E is yes, select Hazards below. 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 Ice Packs Dry ice None Other: *all temperatures are recorded in Celsius **TEMP:** 3
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: COPO If Preservation added, Lot#: 220404BP
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)

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials KW Date 06/27/22 Page ____ of ____

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
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
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 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

Julie Robinson
Project Manager

Purchase Order: 398684
Enclosures

GEL LABORATORIES LLC
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 Julie Robinson

GEL LABORATORIES LLC
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: AF36876
Sample ID: 584117001
Matrix: Ground Water
Collect Date: 20-JUN-22 14:16
Receive Date: 24-JUN-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 Proportional Counting													
GFPC, Ra228, Liquid "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-228 Calculation "See Parent Products"													
Radium-226+228 Sum		1.29	+/-0.972			pCi/L			NXL1	07/14/22	0846	2282276	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.702	+/-0.297	0.269	1.00	pCi/L			LXP1	07/12/22	0821	2282268	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 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
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
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
Collector: Client

Project: SOOP00119
Client ID: SOOP001

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	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	07/07/22	0845	2282277	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		2.07	+/-0.996			pCi/L			NXL1	07/14/22	0846	2282276	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.900	+/-0.374	0.431	1.00	pCi/L			LXP1	07/12/22	0821	2282268	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 Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			78.6	(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
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
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: AF36888
Sample ID: 584117003
Matrix: Ground Water
Collect Date: 21-JUN-22 10:04
Receive Date: 24-JUN-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 Proportional 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, Liquid "As Received"													
Radium-226		1.40	+/-0.453	0.418	1.00	pCi/L			LXP1	07/12/22	0821	2282268	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 Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			77.9	(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
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
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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: AF36889
Sample ID: 584117004
Matrix: Ground Water
Collect Date: 21-JUN-22 11:09
Receive Date: 24-JUN-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 Proportional Counting													
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, Liquid "As Received"													
Radium-226		0.891	+/-0.350	0.400	1.00	pCi/L			LXP1	07/12/22	0821	2282268	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 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
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
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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: AF36890
Sample ID: 584117005
Matrix: Ground Water
Collect Date: 21-JUN-22 11:14
Receive Date: 24-JUN-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 Proportional Counting													
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 Calculation "See Parent Products"													
Radium-226+228 Sum		1.23	+/-1.13			pCi/L			NXL1	07/14/22	0846	2282276	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.581	+/-0.358	0.494	1.00	pCi/L			LXP1	07/12/22	0852	2282268	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 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
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
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
Collector: Client

Project: SOOP00119
Client ID: SOOP001

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228		5.24	+/-1.48	1.80	3.00	pCi/L			JXC9	07/12/22	0912	2282277	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		6.34	+/-1.53			pCi/L			NXL1	07/14/22	0846	2282276	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.10	+/-0.391	0.310	1.00	pCi/L			LXP1	07/12/22	0852	2282268	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 Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			82.7	(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
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
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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:	AF36892	Project:	SOOP00119
Sample ID:	584117007	Client ID:	SOOP001
Matrix:	Ground Water		
Collect Date:	21-JUN-22 13:23		
Receive Date:	24-JUN-22		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228		3.77	+/-1.42	1.97	3.00	pCi/L			JXC9	07/07/22	0846	2282277	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		4.19	+/-1.44			pCi/L			NXL1	07/14/22	0846	2282276	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.415	+/-0.258	0.352	1.00	pCi/L			LXP1	07/12/22	0852	2282268	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 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	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

GEL LABORATORIES LLC
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: AF36893
Sample ID: 584117008
Matrix: Ground Water
Collect Date: 21-JUN-22 14:23
Receive Date: 24-JUN-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 Proportional 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-228 Calculation "See Parent Products"													
Radium-226+228 Sum		5.80	+/-1.40			pCi/L			NXL1	07/14/22	0846	2282276	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		2.04	+/-0.491	0.314	1.00	pCi/L			LXP1	07/12/22	0852	2282268	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 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
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
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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: AF36874
Sample ID: 584117009
Matrix: Ground Water
Collect Date: 22-JUN-22 10:27
Receive Date: 24-JUN-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 Proportional 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-228 Calculation "See Parent Products"													
Radium-226+228 Sum		1.79	+/-1.33			pCi/L			NXL1	07/14/22	0846	2282276	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226	U	0.236	+/-0.231	0.363	1.00	pCi/L			LXP1	07/12/22	0852	2282268	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 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
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
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: AF36861
Sample ID: 584117010
Matrix: Ground Water
Collect Date: 22-JUN-22 12:53
Receive Date: 24-JUN-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 Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228	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"													
Radium-226+228 Sum		2.12	+/-1.06			pCi/L			NXL1	07/14/22	0846	2282276	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.18	+/-0.394	0.250	1.00	pCi/L			LXP1	07/12/22	0925	2282268	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 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
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
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: AF36871
Sample ID: 584117011
Matrix: Ground Water
Collect Date: 22-JUN-22 14:45
Receive Date: 24-JUN-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 Proportional Counting													
GFPC, Ra228, Liquid "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-228 Calculation "See Parent Products"													
Radium-226+228 Sum		2.24	+/-1.18			pCi/L			NXL1	07/14/22	0846	2282276	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.936	+/-0.387	0.345	1.00	pCi/L			LXP1	07/12/22	0925	2282268	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 Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			79	(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
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
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: AF36869
Sample ID: 584117012
Matrix: Ground Water
Collect Date: 22-JUN-22 15:40
Receive Date: 24-JUN-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 Proportional 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-228 Calculation "See Parent Products"													
Radium-226+228 Sum		2.99	+/-0.987			pCi/L			NXL1	07/14/22	0846	2282276	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.538	+/-0.279	0.331	1.00	pCi/L			LXP1	07/12/22	0925	2282268	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 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
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
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: AF36870
Sample ID: 584117013
Matrix: Ground Water
Collect Date: 22-JUN-22 15:45
Receive Date: 24-JUN-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 Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228		4.25	+/-1.46	1.86	3.00	pCi/L			JXC9	07/07/22	0943	2282277	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		4.38	+/-1.48			pCi/L			NXL1	07/14/22	0846	2282276	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226	U	0.124	+/-0.242	0.445	1.00	pCi/L			LXP1	07/12/22	0925	2282268	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 Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			81.3	(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
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
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	Anlst	Date Time
Rad Gas Flow										
Batch 2282277										
QC1205124936 584117001 DUP										
Radium-228	U	0.588		2.63	pCi/L	127*		(0% - 100%)	JXC9	07/07/22 08:44
	Uncertainty	+/-0.926		+/-1.11						
QC1205124937 LCS										
Radium-228	45.3			37.8	pCi/L		83.3	(75%-125%)		07/07/22 08:45
	Uncertainty			+/-3.15						
QC1205124935 MB										
Radium-228			U	0.990	pCi/L					07/07/22 08:44
	Uncertainty			+/-0.924						
Rad Ra-226										
Batch 2282268										
QC1205124915 584117001 DUP										
Radium-226		0.702	U	0.234	pCi/L	100		(0% - 100%)	LXP1	07/12/22 09:25
	Uncertainty	+/-0.297		+/-0.184						
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		100	pCi/L		76.2	(75%-125%)		07/12/22 09:58
	Uncertainty	+/-0.297		+/-7.68						

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.

QC Summary

Workorder: 584117

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

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.
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.

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.

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.

584117/4114

RAD - 20 DAYS

Contract Lab Info: GEL Contract Lab Due Date (Lab Only): 7 / 5 / 22 Send report to lcwillia@santeecooper.com & sjbrown@santeecooper.com

Chain of Custody

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

Customer Email/Report Recipient: LCWILLIA @santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / JM02.09-G01.1 / 36500

Rerun request for any flagged QC Yes No

Analysis 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)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	RAD 226/228	TOTAL RAD CALC.	Hg
AF36876	CBW-1	6/20/22	1416	DEW/ML	3	P	G	GW	2	Hg 7470 RL < 0.200 ug/L	2	X	1
AF36901	PM-1	1	1531	1	1						2	X	1
AF36888	CGYP-1	6/21/22	1004										
89	CGYP-2		1109										
90	CGYP-2 DUP		1114										
91	CGYP-3		1231										
92	CGYP-4		1323										
93	CGYP-6	1	1423	1	1						1	1	1

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
SJBrown	35594	6/24/22	0915		GEL	6/24/22	0935
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
	GEL	6/24/22	1515		GEL	6/24/22	1515
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)
TEMP (°C): _____ Initial: _____
Correct pH: Yes No
Preservative Lot#:
Date/Time/Init for preservative:

☐ METALS (all)		
☐ Ag	☐ Cu	☐ Sb
☐ Al	☐ Fe	☐ Se
☐ As	☐ K	☐ Sn
☐ B	☐ Li	☐ Sr
☐ Ba	☐ Mg	☐ Ti
☐ Be	☐ Mn	☐ Tl
☐ Ca	☐ Mo	☐ V
☐ Cd	☐ Na	☐ Zn
☐ Co	☐ Ni	☐ Hg
☐ Cr	☐ Pb	☐ CrVI

Nutrients
☐ TOC
☐ DOC
☐ TP/TPO4
☐ NH3-N
☐ F
☐ Cl
☐ NO2
☐ Br
☐ NO3
☐ SO4

MISC.
☐ BTEX
☐ Napthalene
☐ THM/HAA
☐ VOC
☐ Oil & Grease
☐ E. Coli
☐ Total Coliform
☐ pH
☐ Dissolved As
☐ Dissolved Fe
☐ Rad 226
☐ Rad 228
☐ PCB

Gypsum
☐ Wallboard Gypsum(*all below*)
AIM
TOC
☐ Total metals
Soluble Metals
☐ Purity (CaSO4)
☐ % Moisture
Sulfites
☐ pH
☐ Chlorides
☐ Particle Size
☐ Sulfur

Coal
☐ Ultimate
☐ % Moisture
☐ Ash
☐ Sulfur
☐ BTUs
☐ Volatile Matter
☐ CHN
Other Tests:
☐ XRF Scan
☐ HGI
☐ Fineness
Particulate Matter

Flyash
☐ Ammonia
☐ LOI
☐ % Carbon
☐ Mineral Analysis
☐ Sieve
☐ % Moisture

NPDES
☐ Oil & Grease
☐ As
☐ TSS

Oil
Trans. Oil Qual.
% Moisture
Color
Acidity
Dielectric Strength
IFT
Dissolved Gases
Used Oil
Flashpoint
Metals in oil
(As Cd Cr Ni Pb Hg)
TN
GOFER

Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler 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=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

RAD - 20 DAYS

Contract Lab Info: GEL Contract Lab Due Date (Lab Only): 7 / 5 / 22 Send report to lcwillia@santeecooper.com & sjbrown@santeecooper.com

Chain of Custody

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

Customer Email/Report Recipient: LCWILLIA @santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / JM02.08.G01.3 / 36500

Rerun request for any flagged QC Yes No

Analysis 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)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	RAD 226/228	TOTAL RAD CALC	Hg
~~AF-36873~~	~~CAP-12~~	~~6/21/22~~	~~1518~~	DEW/ML						Hg-7471 RL < 0.200 ug/L	~~2~~	~~X~~	~~1~~
AF-36874	CAP-13	6/22/22	1027	DEW/ML	3	P	G	GW	2		2	1	1
861	CAP-1		1253										
871	CAP-10		1445										
869	CAP-9		1540										
870	CAP-9 DUP		1545										

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
JBrown	35594	6/24/22	0936		GEL	6/24/22	0936
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
	GEL	6/24/22	1515		GEL	6/24/22	1515
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)
TEMP (°C): _____ Initial: _____
Correct pH: Yes No
Preservative Lot#:
Date/Time/Init for preservative:

☐ METALS (all)		
☐ Ag	☐ Cu	☐ Sb
☐ Al	☐ Fe	☐ Se
☐ As	☐ K	☐ Sn
☐ B	☐ Li	☐ Sr
☐ Ba	☐ Mg	☐ Ti
☐ Be	☐ Mn	☐ Tl
☐ Ca	☐ Mo	☐ V
☐ Cd	☐ Na	☐ Zn
☐ Co	☐ Ni	☐ Hg
☐ Cr	☐ Pb	☐ CrVI

Nutrients
☐ TOC
☐ DOC
☐ TP/TPO4
☐ NH3-N
☐ F
☐ Cl
☐ NO2
☐ Br
☐ NO3
☐ SO4

MISC.
☐ BTEX
☐ Napthalene
☐ THM/HAA
☐ VOC
☐ Oil & Grease
☐ E. Coli
☐ Total Coliform
☐ pH
☐ Dissolved As
☐ Dissolved Fe
☐ Rad 226
☐ Rad 228
☐ PCB

Gypsum
Wallboard Gypsum(*all below*)
☐ AIM
☐ TOC
☐ Total metals
☐ Soluble Metals
☐ Purity (CaSO4)
☐ % Moisture
☐ Sulfites
☐ pH
☐ Chlorides
☐ Particle Size
☐ Sulfur

Coal
☐ Ultimate
☐ % Moisture
☐ Ash
☐ Sulfur
☐ BTUs
☐ Volatile Matter
☐ CHN
Other Tests:
☐ XRF Scan
☐ HGI
☐ Fineness
Particulate Matter

Flyash
☐ Ammonia
☐ LOI
☐ % Carbon
☐ Mineral Analysis
☐ Sieve
☐ % Moisture

NPDES
☐ Oil & Grease
☐ As
☐ TSS

Oil
Trans. Oil Qual.
% Moisture
Color
Acidity
Dielectric Strength
IFT
Dissolved Gases
Used Oil
Flashpoint
Metals in oil (As,Cd,Cr,Ni,Pb Hg)
TN
GOELR

Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler 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=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

J

Client: SCOP	**SDG/AR/COC/Work Order:** 584105/4103/4102/4117/4114/4108
Received By: MVH	**Date Received:** 10/24/2022
Carrier and Tracking Number	Circle Applicable: FedEx Express FedEx Ground UPS Field Services (Courier) Other

KW 10-27-22

4100

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	Hazard 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	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		X	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 5 CPM / mR/Hr **Classified as: Rad 1 Rad 2 Rad 3**
D) Did the client designate samples are hazardous?		X	COC notation or hazard labels on containers equal client designation.
E) Did the RSO identify possible hazards?		X	If D or E is yes, select Hazards below. 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 Ice Packs Dry ice None Other: *all temperatures are recorded in Celsius **TEMP:** 3
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: SCOP10 If Preservation added, Lot#: 220404BP
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)

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials KW Date 10/27/22 Page ___ of ___

GL-CHL-SR-001 Rev 7

List of current GEL Certifications as of 25 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
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

GEL Laboratories LLC
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

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

Heather Millar for
Julie Robinson
Project Manager

Purchase Order: 398684
Enclosures

GEL LABORATORIES LLC
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 Heather Millar

GEL LABORATORIES LLC
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
Contact:	Ms. Jeanette Gilmetti
Project:	ABS Lab Analytical

Client Sample ID:	AF47633	Project:	SOOP00119
Sample ID:	598717001	Client ID:	SOOP001
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	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228		2.16	+/-1.22	1.84	3.00	pCi/L			JE1	11/04/22	1016	2335631	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		2.90	+/-1.26			pCi/L			NXL1	11/07/22	1238	2335629	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.738	+/-0.348	0.371	1.00	pCi/L			LXP1	11/06/22	0725	2335609	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 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	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:	AF47632	Project:	SOOP00119
Sample ID:	598717002	Client ID:	SOOP001
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	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "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-228 Calculation "See Parent Products"													
Radium-226+228 Sum		2.51	+/-1.30			pCi/L			NXL1	11/07/22	1238	2335629	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.630	+/-0.337	0.438	1.00	pCi/L			LXP1	11/06/22	0725	2335609	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 Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			86	(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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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	Project:	SOOP00119
Sample ID:	598717003	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	25-OCT-22 11:40		
Receive Date:	28-OCT-22		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
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-228 Calculation "See Parent Products"													
Radium-226+228 Sum		6.17	+/-1.61			pCi/L			NXL1	11/07/22	1238	2335629	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		2.15	+/-0.554	0.407	1.00	pCi/L			LXP1	11/06/22	0725	2335609	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 Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			82.3	(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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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	Project:	SOOP00119
Sample ID:	598717004	Client ID:	SOOP001
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	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
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-228 Calculation "See Parent Products"													
Radium-226+228 Sum		3.77	+/-1.73			pCi/L			NXL1	11/07/22	1238	2335629	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.738	+/-0.405	0.542	1.00	pCi/L			LXP1	11/06/22	0725	2335609	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 Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			78.8	(15%-125%)

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

Column headers are defined as follows:

DF: Dilution Factor	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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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:	AF47649	Project:	SOOP00119
Sample ID:	598717005	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	25-OCT-22 14:11		
Receive Date:	28-OCT-22		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228		6.11	+/-1.69	2.15	3.00	pCi/L			JE1	11/07/22	0917	2335631	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		6.68	+/-1.72			pCi/L			NXL1	11/07/22	1238	2335629	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.568	+/-0.305	0.368	1.00	pCi/L			LXP1	11/06/22	0725	2335609	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 Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			84.4	(15%-125%)

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

Column headers are defined as follows:

DF: Dilution Factor	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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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	Project:	SOOP00119
Sample ID:	598717006	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	25-OCT-22 15:16		
Receive Date:	28-OCT-22		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	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-228 Calculation "See Parent Products"													
Radium-226+228 Sum		5.12	+/-2.11			pCi/L			NXL1	11/07/22	1238	2335629	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.708	+/-0.355	0.458	1.00	pCi/L			LXP1	11/06/22	0725	2335609	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 Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			75.2	(15%-125%)

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

Column headers are defined as follows:

DF: Dilution Factor	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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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	Project:	SOOP00119
Sample ID:	598717007	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	25-OCT-22 15:21		
Receive Date:	28-OCT-22		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	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	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		4.35	+/-1.63			pCi/L			NXL1	11/07/22	1238	2335629	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.665	+/-0.368	0.478	1.00	pCi/L			LXP1	11/06/22	0725	2335609	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 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	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:	AF47652	Project:	SOOP00119
Sample ID:	598717008	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	26-OCT-22 09:24		
Receive Date:	28-OCT-22		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228		4.67	+/-1.48	1.87	3.00	pCi/L			JE1	11/07/22	0917	2335631	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		6.04	+/-1.54			pCi/L			NXL1	11/07/22	1238	2335629	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.38	+/-0.421	0.405	1.00	pCi/L			LXP1	11/06/22	0725	2335609	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 Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			83.1	(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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Company :	Santee Cooper
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Contact:	Ms. Jeanette Gilmetti
Project:	ABS Lab Analytical

Client Sample ID:	AF47646	Project:	SOOP00119
Sample ID:	598717009	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	26-OCT-22 10:30		
Receive Date:	28-OCT-22		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional 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-228 Calculation "See Parent Products"													
Radium-226+228 Sum		3.53	+/-1.25			pCi/L			NXL1	11/07/22	1238	2335629	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.40	+/-0.452	0.368	1.00	pCi/L			LXP1	11/06/22	0756	2335609	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 Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
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	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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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	Project:	SOOP00119
Sample ID:	598717010	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	26-OCT-22 11:47		
Receive Date:	28-OCT-22		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional 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-228 Calculation "See Parent Products"													
Radium-226+228 Sum		3.01	+/-1.57			pCi/L			NXL1	11/07/22	1238	2335629	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.391	+/-0.219	0.214	1.00	pCi/L			LXP1	11/06/22	0756	2335609	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 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	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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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:	AF47630	Project:	SOOP00119
Sample ID:	598717011	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	26-OCT-22 12:58		
Receive Date:	28-OCT-22		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
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-228 Calculation "See Parent Products"													
Radium-226+228 Sum		3.09	+/-1.79			pCi/L			NXL1	11/07/22	1237	2335630	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.898	+/-0.350	0.365	1.00	pCi/L			LXP1	11/06/22	0756	2335610	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 Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			82.6	(15%-125%)

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

Column headers are defined as follows:

DF: Dilution Factor	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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Company :	Santee Cooper
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Contact:	Ms. Jeanette Gilmetti
Project:	ABS Lab Analytical

Client Sample ID:	AF47628	Project:	SOOP00119
Sample ID:	598717012	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	26-OCT-22 14:05		
Receive Date:	28-OCT-22		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228		4.81	+/-1.65	2.05	3.00	pCi/L			JE1	11/04/22	1403	2335632	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		5.64	+/-1.69			pCi/L			NXL1	11/07/22	1237	2335630	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.832	+/-0.375	0.409	1.00	pCi/L			LXP1	11/06/22	0830	2335610	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 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	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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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:	AF47629	Project:	SOOP00119
Sample ID:	598717013	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	26-OCT-22 14:10		
Receive Date:	28-OCT-22		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional 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-228 Calculation "See Parent Products"													
Radium-226+228 Sum		5.27	+/-1.58			pCi/L			NXL1	11/07/22	1237	2335630	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.518	+/-0.287	0.354	1.00	pCi/L			LXP1	11/06/22	0830	2335610	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 Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			83.5	(15%-125%)

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

Column headers are defined as follows:

DF: Dilution Factor	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:	AF47627	Project:	SOOP00119
Sample ID:	598717014	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	26-OCT-22 15:32		
Receive Date:	28-OCT-22		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228		2.74	+/-1.32	1.93	3.00	pCi/L			JE1	11/04/22	1134	2335632	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		3.76	+/-1.37			pCi/L			NXL1	11/07/22	1237	2335630	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.02	+/-0.366	0.245	1.00	pCi/L			LXP1	11/06/22	0830	2335610	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 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	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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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	Project:	SOOP00119
Sample ID:	598717015	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	27-OCT-22 09:41		
Receive Date:	28-OCT-22		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228		4.92	+/-1.69	2.35	3.00	pCi/L			JE1	11/04/22	1134	2335632	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		6.18	+/-1.74			pCi/L			NXL1	11/07/22	1237	2335630	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.26	+/-0.423	0.319	1.00	pCi/L			LXP1	11/06/22	0830	2335610	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 Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			85.8	(15%-125%)

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

Column headers are defined as follows:

DF: Dilution Factor	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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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:	AF47625	Project:	SOOP00119
Sample ID:	598717016	Client ID:	SOOP001
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	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
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 "See Parent Products"													
Radium-226+228 Sum		3.90	+/-1.33			pCi/L			NXL1	11/07/22	1237	2335630	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.58	+/-0.422	0.217	1.00	pCi/L			LXP1	11/06/22	0830	2335610	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 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	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

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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	Project:	SOOP00119
Sample ID:	598717017	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	27-OCT-22 12:15		
Receive Date:	28-OCT-22		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	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	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		19.4	+/-2.11			pCi/L			NXL1	11/07/22	1237	2335630	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		6.45	+/-0.837	0.305	1.00	pCi/L			LXP1	11/06/22	0830	2335610	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 Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			88.3	(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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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:	AF47623	Project:	SOOP00119
Sample ID:	598717018	Client ID:	SOOP001
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	Analyst	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-228 Calculation "See Parent 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:

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"			81.3	(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

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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:	AF47622	Project:	SOOP00119
Sample ID:	598717019	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	27-OCT-22 14:46		
Receive Date:	28-OCT-22		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228	U	1.51	+/-1.34	2.16	3.00	pCi/L			JE1	11/04/22	1404	2335632	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		2.29	+/-1.38			pCi/L			NXL1	11/07/22	1237	2335630	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.777	+/-0.335	0.372	1.00	pCi/L			LXP1	11/06/22	0830	2335610	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 Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			85.1	(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

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:	AF47659	Project:	SOOP00119
Sample ID:	598717020	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	27-OCT-22 15:56		
Receive Date:	28-OCT-22		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	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	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		4.08	+/-1.35			pCi/L			NXL1	11/07/22	1237	2335630	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.09	+/-0.380	0.297	1.00	pCi/L			LXP1	11/06/22	0902	2335610	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 Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			87.5	(15%-125%)

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

Column headers are defined as follows:

DF: Dilution Factor	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:	AF47660	Project:	SOOP00119
Sample ID:	598717021	Client ID:	SOOP001
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	Date	Time	Batch	Method
Rad Gas Flow Proportional 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, Liquid "As Received"													
Radium-226		0.443	+/-0.277	0.371	1.00	pCi/L			LXP1	11/06/22	0902	2335610	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 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	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

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						
QC1205230989 MB										
Radium-228			U	0.227	pCi/L					11/04/22 10:40
	Uncertainty			+/-1.03						
Batch 2335632										
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						
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			22.3	pCi/L		83.9	(75%-125%)		11/06/22 07:56
	Uncertainty			+/-1.64						
QC1205230920 MB										
Radium-226			U	0.437	pCi/L					11/06/22 07:56
	Uncertainty			+/-0.308						

QC Summary

Workorder: 598717

Parmname	NOM	Sample	Qual	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.

QC Summary

Workorder: 598717

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

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.

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.

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 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**
Analytical Method: EPA 904.0/SW846 9320 Modified
Analytical Procedure: GL-RAD-A-063 REV# 5
Analytical Batch: 2335632

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

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.

598717

Contract Lab Info: GEL Contract Lab Due Date (Lab Only): 11 / 7 / 22 Send report to lcwillia@santeecooper.com & slbrown@santeecooper.com

Chain of Custody

santee cooper
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
LINDA. WILLIAMS @santeecooper.com	___/___/___	125915 / JM02.09.G01.1 / 36500	Yes (No)

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)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	Analysis Group: SULFIDE	TOC/DOC	TOTAL RAD GAS/ RAD 226/228	ALKALINITY TOTAL, BICARB, CARB	NO3-NO2
AF47633	PM-1	10/26/22	0927	WJK ML	7	P, G	G	GW	Y/*	SULFIDE NaOH TOC H2SO4	1	2	2	1	1
AF47632	CBW-1		1034							RAD HNO3 NO3 NO2 H2SO4					
AF47651	CGYP-6		1140												
AF47650	CGYP-4		1246												
AF47649	CGYP-3		1411							* PLEASE NOTE SHORT					
AF47647	CGYP-2		1516							HOLD FOR SULFIDE					
AF47648	CGYP-2 DUP		1521							* PLEASE FILTER AND					
										PRESERVE DOC SAMPLES.					

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
[signature]	35466	10/28/22	1000	[signature]	GEL	10/28/22	1000
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
[signature]	[signature]	10/28/22	1430	[signature]		10/28/22	1430
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)
TEMP (°C):_____ Initial:_____
Correct pH: Yes No
Preservative Lot#:
Date/Time/Init for preservative:

☐ METALS (all)

☐ Ag	☐ Cu	☐ Sb
☐ Al	☐ Fe	☐ Se
☐ As	☐ K	☐ Sn
☐ B	☐ Li	☐ Sr
☐ Ba	☐ Mg	☐ Ti
☐ Be	☐ Mn	☐ Tl
☐ Ca	☐ Mo	☐ V
☐ Cd	☐ Na	☐ Zn
☐ Co	☐ Ni	☐ Hg
☐ Cr	☐ Pb	☐ CrVI

Nutrients
☐ TOC
☐ DOC
☐ TP/TPO4
☐ NH3-N
☐ F
☐ Cl
☐ NO2
☐ Br
☐ NO3
☐ SO4

MISC.
☐ BTEX
☐ Napthalene
☐ THM/HAA
☐ VOC
☐ Oil & Grease
☐ E. Coli
☐ Total Coliform
☐ pH
☐ Dissolved As
☐ Dissolved Fe
☐ Rad 226
☐ Rad 228
☐ PCB

Gypsum
☐ Wallboard
☐ Gypsum(all below)
☐ AIM
☐ TOC
☐ Totalmetals
☐ Soluble Metals
☐ Purity (CaSO4)
☐ % Moisture
☐ Sulfides
☐ pH
☐ Chlorides
☐ Particle Size
☐ Sulfur

Coal
☐ Ultimate
☐ % Moisture
☐ Ash
☐ Sulfur
☐ BTUs
☐ Volatile Matter
☐ CHN
Other Tests:
☐ XRF Scan
☐ HGI
☐ Fineness
☐ Particulate Matter

Flyash
☐ Ammonia
☐ LOI
☐ % Carbon
☐ Mineral Analysis
☐ Sieve
☐ % Moisture

NPDES
☐ Oil & Grease
☐ As
☐ TSS

Oil
☐ Trans. Oil Qual
☐ %Moisture
☐ Color
☐ Acidity
☐ Dielectric Strength
☐ IFT
☐ Dissolved Gases
☐ Used Oil
☐ Flashpoint
☐ Metals in oil
☐ (As,Cd,Cr,Ni,Pb,Hg)
☐ TX
☐ GOFER

Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler 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 codes: 1=4°C 2=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

Contract Lab Info: GEL Contract Lab Due Date (Lab Only): 11 / 7 / 22 Send report to lcwillia@santeecooper.com & sjbrown@santeecooper.com

Chain of Custody

santee cooper
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
LINDA.WILLIAMS@santeecooper.com	/ /	125915 / JM02.09.G01.1 / 36500	Yes (No)

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)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	Analysis Group: SULFIDE	TOC/DOC	TOTAL RAD GAM/226 & 228	ALKALINITY	NO3-NO2
AP-47652	CGYP-7	10/26/22	0924	WJK ML	7	P+G	G	GW	1/*	SULFIDE NaOH, ZINC ACETATE TOC H2SO4	1	2	2	1	1
46	CGYP-1		1030							RAD HNO3 NO3 NO2 H2SO4					
21	CAP-1		1147												
30	CAP-10		1258							*PLEASE NOTE SHORT					
28	CAP-9		1405							HOLD FOR SULFIDE.					
29	CAP-9 DUP		1410							* PLEASE FILTER AND					
27	CAP-8		1532							PRESERVE DOC SAMPLES.					

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
	35466	10/28/22	1600		GEL	10/28/22	1600
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
	665	10/28/22	1430			10/28/22	1430
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)
TEMP (°C): _____ Initial: _____
Correct pH: Yes No
Preservative Lot#:
Date/Time/Init for preservative:

☐ METALS (all)		
☐ Ag	☐ Cu	☐ Sb
☐ Al	☐ Fe	☐ Se
☐ As	☐ K	☐ Sn
☐ B	☐ Li	☐ Sr
☐ Ba	☐ Mg	☐ Ti
☐ Be	☐ Mn	☐ Tl
☐ Ca	☐ Mo	☐ V
☐ Cd	☐ Na	☐ Zn
☐ Co	☐ Ni	☐ Hg
☐ Cr	☐ Pb	☐ CrVI

Nutrients
☐ TOC
☐ DOC
☐ TP/TPO4
☐ NH3-N
☐ F
☐ Cl
☐ NO2
☐ Br
☐ NO3
☐ SO4

MISC.
☐ BTEX
☐ Napthalene
☐ THM/HAA
☐ VOC
☐ Oil & Grease
☐ E. Coli
☐ Total Coliform
☐ pH
☐ Dissolved As
☐ Dissolved Fe
☐ Rad 226
☐ Rad 228
☐ PCB

Gypsum
☐ Wallboard
☐ Gypsum(all below)
☐ AIM
☐ TOC
☐ Total metals
☐ Soluble Metals
☐ Purity (CaSO4)
☐ % Moisture
☐ Sulfites
☐ pH
☐ Chlorides
☐ Particle Size
☐ Sulfur

Coal
☐ Ultimate
☐ % Moisture
☐ Ash
☐ Sulfur
☐ BTUs
☐ Volatile Matter
☐ CHN
Other Tests:
☐ XRF Scan
☐ HGI
☐ Fineness
☐ Particulate Matter

Flyash
☐ Ammonia
☐ LOI
☐ % Carbon
☐ Mineral Analysis
☐ Sieve
☐ % Moisture

NRDES
☐ Oil & Grease
☐ pH
☐ TSS

Oil
☐ Trans. Oil Qual.
☐ % Moisture
☐ Color
☐ Acidity
☐ Diel. Breakdown
☐ IFT
☐ Dissolved Gases
☐ Used Oil
☐ Flash point
☐ Metals in oil
☐ (As)(Cd)(Cr)(Pb)
☐ PCB
☐ BTEX
☐ GC/FID

Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler 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=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

Contract Lab Info: GEL Contract Lab Due Date (Lab Only): 11/7/22 Send report to lcwillia@santeecooper.com & sjbrown@santeecooper.com

Chain of Custody

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

Customer Email/Report Recipient: LINDA.WILLIAMS@santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / JM02.09.GØ1.1 / 36500

Rerun request for any flagged QC Yes (No)

Analysis 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)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	SULFIDE	TOC/DOC	TOTAL RAD CALC RAD 226 + 228	ALKALINITY	NO3 NO2
AF47626	CAP-7	10/27/22	WJK/ML	0941	7	PJ G	G	GW	1/*	→ SULFIDE NaOH ZINC ACETATE TOC H2SO4	1	2	2	1	1
25	CAP-6			1101						RAD HNO3 NO3 NO2 H2SO4					
24	CAP-5			1215											
23	CAP-4			1324						* PLEASE NOTE SHORT					
22	CAP-3			1446						HOLD FOR SULFIDE.					
59	CCMAP-4			1936						* PLEASE FILTER AND					
60	CCMAP-4 DUP			1601						PRESERVE DOC SAMPLES.					

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
	35466	10/28/22	1000		GEL	10/28/22	1000
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
		10/28/22	1430			10/28/22	1430
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)
TEMP (°C): _____ Initial: _____
Correct pH: Yes No
Preservative Lot#:
Date/Time/Init for preservative:

☐ METALS (all)

☐ Ag	☐ Cu	☐ Sb
☐ Al	☐ Fe	☐ Se
☐ As	☐ K	☐ Sn
☐ B	☐ Li	☐ Sr
☐ Ba	☐ Mg	☐ Ti
☐ Be	☐ Mn	☐ Tl
☐ Ca	☐ Mo	☐ V
☐ Cd	☐ Na	☐ Zn
☐ Co	☐ Ni	☐ Hg
☐ Cr	☐ Pb	☐ CrVI

Nutrients
☐ TOC
☐ DOC
☐ TP/TPO4
☐ NH3-N
☐ F
☐ Cl
☐ NO2
☐ Br
☐ NO3
☐ SO4

MISC.
☐ BTEX
☐ Napthalene
☐ THM/HAA
☐ VOC
☐ Oil & Grease
☐ E. Coli
☐ Total Coliform
☐ pH
☐ Dissolved As
☐ Dissolved Fe
☐ Rad 226
☐ Rad 228
☐ PCB

Gypsum
☐ Wallboard
☐ Gypsum (all below)
☐ AIM
☐ TOC
☐ Total metals
☐ Soluble Metals
☐ Purity (CaSO4)
☐ % Moisture
☐ Sulfites
☐ pH
☐ Chlorides
☐ Particle Size
☐ Sulfur

Coal
☐ Ultimate
☐ % Moisture
☐ Ash
☐ Sulfur
☐ BTUs
☐ Volatile Matter
☐ CHN
Other Tests:
☐ XRF Scan
☐ HGI
☐ Fineness
☐ Particulate Matter

Flyash
☐ Ammonia
☐ LOI
☐ % Carbon
☐ Mineral Analysis
☐ Sieve
☐ % Moisture

NPDES
☐ Oil & Grease
☐ Ammonia
☐ TSS

Oil
☐ Trans Oil Qual
☐ % Moisture
☐ Color
☐ Acidity
☐ Dielectric Strength
☐ IFT
☐ Dissolved Gases
☐ Used Oil
☐ Lubricant
☐ Metals in Oil
☐ (As, Cd, Cr, Ni, Pb, Sb, Hg)
☐ PCB
☐ GC/FID
☐ GC/ECD

Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler 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 codes: 1=<4°C 2=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: SCOP	SDG/AR/COC/Work Order: 598717
Received By: StacyBoone	Date Received: 10/28/22
Carrier and Tracking Number	Circle Applicable: FedEx Express FedEx Ground UPS Field Services Courier Other
	21 c 17 c 1 c 1 c

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?		✓	Hazard 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?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Did the client designate samples are hazardous?		✓	COC notation or hazard labels on containers equal client designation.
E) Did 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	No	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 ≤ 6 deg. C)?*	✓			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 #: IR4-22 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? 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?			✓	
13	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 _____ Date 10/28/22 Page 1 of 1

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
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235-22-20
Utah NELAP	SC000122022-37
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

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

myEOL

Table of Contents

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 MS) and (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.

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

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	EET SAV
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

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Qualifiers

Metals

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

Detection Summary

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47633 — Lab Sample ID: 680-224844-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	13100		500		ug/L	1		6010D	Total Recoverable
Iron	10900		100		ug/L	1		6010D	Total Recoverable
Magnesium	647		500		ug/L	1		6010D	Total Recoverable
Sodium	5680		2000		ug/L	1		6010D	Total Recoverable
Cobalt	3.42		2.00		ug/L	2		6020A	Dissolved
Manganese	13.0		5.00		ug/L	2		6020A	Dissolved
Lithium	6.06		5.00		ug/L	2		6020A	Dissolved
Iron	10900		50.0		ug/L	2		6020A	Dissolved
Barium	85.1		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	1.89		0.500		ug/L	1		6020B	Total Recoverable
Manganese	12.9		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47632 — Lab Sample ID: 680-224844-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	27500		500		ug/L	1		6010D	Total Recoverable
Magnesium	1820		500		ug/L	1		6010D	Total Recoverable
Sodium	5740		2000		ug/L	1		6010D	Total Recoverable
Manganese	12.9		5.00		ug/L	2		6020A	Dissolved
Iron	264		50.0		ug/L	2		6020A	Dissolved
Barium	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 Recoverable
Manganese	14.5		5.00		ug/L	1		6020B	Total Recoverable

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 Recoverable
Iron	30400		100		ug/L	1		6010D	Total Recoverable
Magnesium	13100		500		ug/L	1		6010D	Total Recoverable
Potassium	1830		1000		ug/L	1		6010D	Total Recoverable
Sodium	87000		2000		ug/L	1		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 radiochemical test results.

Eurofins Savannah

Client Sample ID: AF47651 (Continued)

Lab Sample ID: 680-224844-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	465		5.00		ug/L	1		6020B	Total Recoverable
Beryllium	27.0		0.500		ug/L	1		6020B	Total Recoverable
Cadmium	0.580		0.500		ug/L	1		6020B	Total Recoverable
Cobalt	156		0.500		ug/L	1		6020B	Total Recoverable
Lead	2.85		2.50		ug/L	1		6020B	Total Recoverable
Manganese	162		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47650

Lab Sample ID: 680-224844-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	231000		500		ug/L	1		6010D	Total Recoverable
Iron	81000		100		ug/L	1		6010D	Total Recoverable
Magnesium	12000		500		ug/L	1		6010D	Total Recoverable
Potassium	2460		1000		ug/L	1		6010D	Total Recoverable
Sodium	67700		2000		ug/L	1		6010D	Total Recoverable
Beryllium	16.4		0.500		ug/L	2		6020A	Dissolved
Cobalt	38.1		2.00		ug/L	2		6020A	Dissolved
Manganese	280		5.00		ug/L	2		6020A	Dissolved
Lithium	54.5		5.00		ug/L	2		6020A	Dissolved
Iron	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 Recoverable
Barium	30.6		5.00		ug/L	1		6020B	Total Recoverable
Beryllium	18.8		0.500		ug/L	1		6020B	Total Recoverable
Cadmium	0.805		0.500		ug/L	1		6020B	Total Recoverable
Cobalt	41.5		0.500		ug/L	1		6020B	Total Recoverable
Lead	13.4		2.50		ug/L	1		6020B	Total Recoverable
Manganese	316		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47649

Lab Sample ID: 680-224844-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	415000		500		ug/L	1		6010D	Total Recoverable
Iron	171000		100		ug/L	1		6010D	Total Recoverable
Magnesium	20600		500		ug/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

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 Recoverable
Sodium	73300		2000		ug/L	1		6010D	Total Recoverable
Beryllium	30.8		0.500		ug/L	2		6020A	Dissolved
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		6020B	Total/NA
Arsenic	6.53		3.00		ug/L	1		6020B	Total Recoverable
Barium	42.2		5.00		ug/L	1		6020B	Total Recoverable
Beryllium	34.5		0.500		ug/L	1		6020B	Total Recoverable
Cadmium	1.87		0.500		ug/L	1		6020B	Total Recoverable
Chromium	8.79		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	95.6		0.500		ug/L	1		6020B	Total Recoverable
Lead	29.8		2.50		ug/L	1		6020B	Total Recoverable
Manganese	471		5.00		ug/L	1		6020B	Total Recoverable

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 Recoverable
Magnesium	18600		500		ug/L	1		6010D	Total Recoverable
Potassium	2350		1000		ug/L	1		6010D	Total Recoverable
Sodium	8250		2000		ug/L	1		6010D	Total Recoverable
Beryllium	3.74		0.500		ug/L	2		6020A	Dissolved
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	Total/NA
Barium	18.3		5.00		ug/L	1		6020B	Total Recoverable
Beryllium	4.32		0.500		ug/L	1		6020B	Total Recoverable
Cadmium	1.38		0.500		ug/L	1		6020B	Total Recoverable
Cobalt	21.5		0.500		ug/L	1		6020B	Total Recoverable
Lead	25.1		2.50		ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: AF47647 (Continued)

Lab Sample ID: 680-224844-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	325		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47648

Lab Sample ID: 680-224844-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	213000		500		ug/L	1		6010D	Total Recoverable
Iron	62800		100		ug/L	1		6010D	Total Recoverable
Magnesium	18600		500		ug/L	1		6010D	Total Recoverable
Potassium	2310		1000		ug/L	1		6010D	Total Recoverable
Sodium	8230		2000		ug/L	1		6010D	Total Recoverable
Beryllium	3.71		0.500		ug/L	2		6020A	Dissolved
Cobalt	18.7		2.00		ug/L	2		6020A	Dissolved
Manganese	284		5.00		ug/L	2		6020A	Dissolved
Lithium	15.3		5.00		ug/L	2		6020A	Dissolved
Iron	68100		50.0		ug/L	2		6020A	Dissolved
Selenium	28.0		5.00		ug/L	2		6020B	Total/NA
Barium	17.8		5.00		ug/L	1		6020B	Total Recoverable
Beryllium	4.00		0.500		ug/L	1		6020B	Total Recoverable
Cadmium	1.72		0.500		ug/L	1		6020B	Total Recoverable
Cobalt	20.4		0.500		ug/L	1		6020B	Total Recoverable
Lead	24.3		2.50		ug/L	1		6020B	Total Recoverable
Manganese	314		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47652

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 Recoverable
Iron	114000		100		ug/L	1		6010D	Total Recoverable
Magnesium	68200		5000		ug/L	10		6010D	Total Recoverable
Potassium	4210		1000		ug/L	1		6010D	Total Recoverable
Sodium	80200		20000		ug/L	10		6010D	Total Recoverable
Beryllium	11.7		0.500		ug/L	2		6020A	Dissolved
Cobalt	68.3		2.00		ug/L	2		6020A	Dissolved
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	Dissolved
Selenium	46.4		5.00		ug/L	2		6020B	Total/NA
Arsenic	6.21		3.00		ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: AF47652 (Continued)

Lab Sample ID: 680-224844-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	28.1		5.00		ug/L	1		6020B	Total Recoverable
Beryllium	11.7		0.500		ug/L	1		6020B	Total Recoverable
Cadmium	3.19		0.500		ug/L	1		6020B	Total Recoverable
Cobalt	79.7		0.500		ug/L	1		6020B	Total Recoverable
Lead	55.1		2.50		ug/L	1		6020B	Total Recoverable
Manganese	1050		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47646

Lab Sample ID: 680-224844-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	193000		500		ug/L	1		6010D	Total Recoverable
Iron	133000		100		ug/L	1		6010D	Total Recoverable
Magnesium	43000		500		ug/L	1		6010D	Total Recoverable
Potassium	3850		1000		ug/L	1		6010D	Total Recoverable
Sodium	57000		2000		ug/L	1		6010D	Total Recoverable
Beryllium	9.82		0.500		ug/L	2		6020A	Dissolved
Cobalt	43.6		2.00		ug/L	2		6020A	Dissolved
Manganese	391		5.00		ug/L	2		6020A	Dissolved
Lithium	21.0		5.00		ug/L	2		6020A	Dissolved
Iron	162000		50.0		ug/L	2		6020A	Dissolved
Selenium	26.5		5.00		ug/L	2		6020B	Total/NA
Arsenic	4.72		3.00		ug/L	1		6020B	Total Recoverable
Barium	46.9		5.00		ug/L	1		6020B	Total Recoverable
Beryllium	11.2		0.500		ug/L	1		6020B	Total Recoverable
Cadmium	2.20		0.500		ug/L	1		6020B	Total Recoverable
Cobalt	52.3		0.500		ug/L	1		6020B	Total Recoverable
Lead	8.88		2.50		ug/L	1		6020B	Total Recoverable
Manganese	468		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47621

Lab Sample ID: 680-224844-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	181000		500		ug/L	1		6010D	Total Recoverable
Iron	54800		100		ug/L	1		6010D	Total Recoverable
Magnesium	6720		500		ug/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: AF47621 (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 Recoverable
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		6020B	Total Recoverable
Beryllium	5.21		0.500		ug/L	1		6020B	Total Recoverable
Cobalt	15.3		0.500		ug/L	1		6020B	Total Recoverable
Manganese	141		5.00		ug/L	1		6020B	Total Recoverable

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 Recoverable
Iron	2230		100		ug/L	1		6010D	Total Recoverable
Magnesium	1860		500		ug/L	1		6010D	Total Recoverable
Sodium	12400		2000		ug/L	1		6010D	Total Recoverable
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 Recoverable
Manganese	56.2		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47628

Lab Sample ID: 680-224844-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	486000		500		ug/L	1		6010D	Total Recoverable
Iron	94300		100		ug/L	1		6010D	Total Recoverable
Magnesium	52700		500		ug/L	1		6010D	Total Recoverable
Potassium	6890		1000		ug/L	1		6010D	Total Recoverable
Sodium	133000		2000		ug/L	1		6010D	Total Recoverable
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	Total/NA
Barium	41.2		5.00		ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: AF47628 (Continued)

Lab Sample ID: 680-224844-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	24.5		0.500		ug/L	1		6020B	Total Recoverable
Cadmium	1.47		0.500		ug/L	1		6020B	Total Recoverable
Cobalt	50.1		0.500		ug/L	1		6020B	Total Recoverable
Lead	18.7		2.50		ug/L	1		6020B	Total Recoverable
Manganese	1250		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47629

Lab Sample ID: 680-224844-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	483000		500		ug/L	1		6010D	Total Recoverable
Iron	93200		100		ug/L	1		6010D	Total Recoverable
Magnesium	52400		500		ug/L	1		6010D	Total Recoverable
Potassium	6810		1000		ug/L	1		6010D	Total Recoverable
Sodium	133000		2000		ug/L	1		6010D	Total 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	Dissolved
Lithium	63.1		5.00		ug/L	2		6020A	Dissolved
Iron	102000		50.0		ug/L	2		6020A	Dissolved
Selenium	13.8		5.00		ug/L	2		6020B	Total/NA
Barium	40.2		5.00		ug/L	1		6020B	Total Recoverable
Beryllium	23.6		0.500		ug/L	1		6020B	Total Recoverable
Cadmium	1.58		0.500		ug/L	1		6020B	Total Recoverable
Cobalt	47.3		0.500		ug/L	1		6020B	Total Recoverable
Lead	17.7		2.50		ug/L	1		6020B	Total Recoverable
Manganese	1180		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47627

Lab Sample ID: 680-224844-14

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	1		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

This Detection Summary does not include radiochemical test results.

Client Sample ID: AF47627 (Continued)

Lab Sample ID: 680-224844-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	5130		12.5		ug/L	5		6020A	Dissolved
Lithium	50.7		5.00		ug/L	2		6020A	Dissolved
Iron	12300		50.0		ug/L	2		6020A	Dissolved
Arsenic	4.35		3.00		ug/L	1		6020B	Total Recoverable
Barium	56.2		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	43.1		0.500		ug/L	1		6020B	Total Recoverable
Manganese	6170		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47626

Lab Sample ID: 680-224844-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	1300000		5000		ug/L	10		6010D	Total Recoverable
Iron	204000		100		ug/L	1		6010D	Total Recoverable
Magnesium	349000		500		ug/L	1		6010D	Total Recoverable
Potassium	20800		1000		ug/L	1		6010D	Total Recoverable
Sodium	194000		2000		ug/L	1		6010D	Total Recoverable
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
Arsenic	4.83		3.00		ug/L	1		6020B	Total Recoverable
Barium	48.3		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	10.4		0.500		ug/L	1		6020B	Total Recoverable
Manganese	10200		5.00		ug/L	1		6020B	Total Recoverable

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 Recoverable
Iron	15300		100		ug/L	1		6010D	Total Recoverable
Magnesium	15200		500		ug/L	1		6010D	Total Recoverable
Potassium	1450		1000		ug/L	1		6010D	Total Recoverable
Sodium	70200		2000		ug/L	1		6010D	Total Recoverable
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 Recoverable
Manganese	452		5.00		ug/L	1		6020B	Total Recoverable

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

Job ID: 680-224844-1

Client Sample ID: AF47624 — Lab Sample ID: 680-224844-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	152000		500		ug/L	1		6010D	Total Recoverable
Iron	120000		100		ug/L	1		6010D	Total Recoverable
Magnesium	3990		500		ug/L	1		6010D	Total Recoverable
Sodium	78700		2000		ug/L	1		6010D	Total Recoverable
Beryllium	4.57		0.500		ug/L	2		6020A	Dissolved
Cobalt	14.3		2.00		ug/L	2		6020A	Dissolved
Manganese	84.2		5.00		ug/L	2		6020A	Dissolved
Lithium	12.4		5.00		ug/L	2		6020A	Dissolved
Iron	118000		50.0		ug/L	2		6020A	Dissolved
Barium	1540		5.00		ug/L	1		6020B	Total Recoverable
Beryllium	5.20		0.500		ug/L	1		6020B	Total Recoverable
Cobalt	15.1		0.500		ug/L	1		6020B	Total Recoverable
Lead	8.81		2.50		ug/L	1		6020B	Total Recoverable
Manganese	80.3		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47623 — Lab Sample ID: 680-224844-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	697000		500		ug/L	1		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 Recoverable
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	Dissolved
Iron	12800		50.0		ug/L	2		6020A	Dissolved
Barium	133		5.00		ug/L	1		6020B	Total Recoverable
Manganese	660		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47622 — Lab Sample ID: 680-224844-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	549000		500		ug/L	1		6010D	Total Recoverable
Iron	1230		100		ug/L	1		6010D	Total Recoverable
Magnesium	52000		500		ug/L	1		6010D	Total Recoverable
Potassium	3890		1000		ug/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: AF47622 (Continued)

Lab Sample ID: 680-224844-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	81800		2000		ug/L	1		6010D	Total Recoverable
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 Recoverable
Cobalt	28.6		0.500		ug/L	1		6020B	Total Recoverable
Manganese	3730		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47659

Lab Sample ID: 680-224844-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	81700		500		ug/L	1		6010D	Total Recoverable
Iron	2300		100		ug/L	1		6010D	Total Recoverable
Magnesium	2720		500		ug/L	1		6010D	Total Recoverable
Sodium	14300		2000		ug/L	1		6010D	Total Recoverable
Cobalt	7.01		2.00		ug/L	2		6020A	Dissolved
Manganese	97.5		5.00		ug/L	2		6020A	Dissolved
Iron	2170		50.0		ug/L	2		6020A	Dissolved
Barium	189		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	7.29		0.500		ug/L	1		6020B	Total Recoverable
Manganese	101		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47660

Lab Sample ID: 680-224844-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	79400		500		ug/L	1		6010D	Total Recoverable
Iron	2250		100		ug/L	1		6010D	Total Recoverable
Magnesium	2700		500		ug/L	1		6010D	Total Recoverable
Sodium	14100		2000		ug/L	1		6010D	Total Recoverable
Cobalt	6.68		2.00		ug/L	2		6020A	Dissolved
Manganese	90.9		5.00		ug/L	2		6020A	Dissolved
Iron	1760		50.0		ug/L	2		6020A	Dissolved
Barium	191		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	7.45		0.500		ug/L	1		6020B	Total Recoverable
Manganese	104		5.00		ug/L	1		6020B	Total Recoverable

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

Job ID: 680-224844-1

Client Sample ID: AF47661 — Lab Sample ID: 680-224844-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	115000		500		ug/L	1		6010D	Total Recoverable
Iron	242		100		ug/L	1		6010D	Total Recoverable
Magnesium	2480		500		ug/L	1		6010D	Total Recoverable
Potassium	1970		1000		ug/L	1		6010D	Total Recoverable
Sodium	16300		2000		ug/L	1		6010D	Total Recoverable
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

Client Sample ID: AF47634 — Lab Sample ID: 680-224844-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	168000		500		ug/L	1		6010D	Total Recoverable
Magnesium	3000		500		ug/L	1		6010D	Total Recoverable
Sodium	24200		2000		ug/L	1		6010D	Total Recoverable
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 Recoverable
Manganese	126		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47635 — Lab Sample ID: 680-224844-24

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	1		6010D	Total Recoverable
Cobalt	2.92		2.00		ug/L	2		6020A	Dissolved
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 Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: AF47635 (Continued)

Lab Sample ID: 680-224844-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	3.13		0.500		ug/L	1		6020B	Total Recoverable
Manganese	130		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47636

Lab Sample ID: 680-224844-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	138000		500		ug/L	1		6010D	Total Recoverable
Iron	402		100		ug/L	1		6010D	Total Recoverable
Magnesium	2190		500		ug/L	1		6010D	Total Recoverable
Sodium	10000		2000		ug/L	1		6010D	Total Recoverable
Cobalt	3.33		2.00		ug/L	2		6020A	Dissolved
Manganese	144		5.00		ug/L	2		6020A	Dissolved
Iron	338		50.0		ug/L	2		6020A	Dissolved
Barium	184		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	3.64		0.500		ug/L	1		6020B	Total Recoverable
Manganese	157		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47637

Lab Sample ID: 680-224844-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	222000		500		ug/L	1		6010D	Total Recoverable
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 Recoverable
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 Recoverable
Cobalt	14.2		0.500		ug/L	1		6020B	Total Recoverable
Manganese	693		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47638

Lab Sample ID: 680-224844-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	130000		500		ug/L	1		6010D	Total Recoverable
Magnesium	3140		500		ug/L	1		6010D	Total Recoverable
Sodium	11800		2000		ug/L	1		6010D	Total Recoverable
Manganese	7.64		5.00		ug/L	2		6020A	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: AF47638 (Continued)

Lab Sample ID: 680-224844-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	61.6		5.00		ug/L	1		6020B	Total Recoverable
Manganese	8.26		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47643

Lab Sample ID: 680-224844-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	13500		500		ug/L	1		6010D	Total Recoverable
Magnesium	922		500		ug/L	1		6010D	Total Recoverable
Potassium	2270		1000		ug/L	1		6010D	Total Recoverable
Sodium	6800		2000		ug/L	1		6010D	Total Recoverable
Manganese	10.4		5.00		ug/L	2		6020A	Dissolved
Barium	132		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	0.860		0.500		ug/L	1		6020B	Total Recoverable
Manganese	8.61		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47644

Lab Sample ID: 680-224844-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	14400		500		ug/L	1		6010D	Total Recoverable
Magnesium	979		500		ug/L	1		6010D	Total Recoverable
Potassium	2400		1000		ug/L	1		6010D	Total Recoverable
Sodium	7190		2000		ug/L	1		6010D	Total Recoverable
Manganese	6.63		5.00		ug/L	2		6020A	Dissolved
Barium	138		5.00		ug/L	1		6020B	Total Recoverable
Beryllium	0.740		0.500		ug/L	1		6020B	Total Recoverable
Cobalt	0.905		0.500		ug/L	1		6020B	Total Recoverable
Manganese	7.44		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47631

Lab Sample ID: 680-224844-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	41600		500		ug/L	1		6010D	Total Recoverable
Iron	8980		100		ug/L	1		6010D	Total Recoverable
Magnesium	2680		500		ug/L	1		6010D	Total Recoverable
Potassium	1720		1000		ug/L	1		6010D	Total Recoverable
Sodium	6460		2000		ug/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: AF47631 (Continued)

Lab Sample ID: 680-224844-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	162		5.00		ug/L	2		6020A	Dissolved
Iron	7800		50.0		ug/L	2		6020A	Dissolved
Barium	170		5.00		ug/L	1		6020B	Total Recoverable
Manganese	88.3		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47655

Lab Sample ID: 680-224844-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	15700		500		ug/L	1		6010D	Total Recoverable
Iron	341		100		ug/L	1		6010D	Total Recoverable
Sodium	4060		2000		ug/L	1		6010D	Total Recoverable
Manganese	192		5.00		ug/L	2		6020A	Dissolved
Iron	366		50.0		ug/L	2		6020A	Dissolved
Barium	38.6		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	1.19		0.500		ug/L	1		6020B	Total Recoverable
Manganese	198		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47662

Lab Sample ID: 680-224844-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	16100		500		ug/L	1		6010D	Total Recoverable
Magnesium	5150		500		ug/L	1		6010D	Total Recoverable
Potassium	1230		1000		ug/L	1		6010D	Total Recoverable
Sodium	2540		2000		ug/L	1		6010D	Total Recoverable
Beryllium	3.84		0.500		ug/L	2		6020A	Dissolved
Cobalt	30.5		2.00		ug/L	2		6020A	Dissolved
Manganese	40.5		5.00		ug/L	2		6020A	Dissolved
Iron	172		50.0		ug/L	2		6020A	Dissolved
Barium	48.1		5.00		ug/L	1		6020B	Total Recoverable
Beryllium	4.07		0.500		ug/L	1		6020B	Total Recoverable
Cobalt	32.6		0.500		ug/L	1		6020B	Total Recoverable
Lead	2.63		2.50		ug/L	1		6020B	Total Recoverable
Manganese	37.9		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47663

Lab Sample ID: 680-224844-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	11500		500		ug/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: AF47663 (Continued)

Lab Sample ID: 680-224844-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	136		100		ug/L	1		6010D	Total Recoverable
Magnesium	617		500		ug/L	1		6010D	Total Recoverable
Sodium	6350		2000		ug/L	1		6010D	Total 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	40.5		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	9.60		0.500		ug/L	1		6020B	Total Recoverable
Manganese	517		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47658

Lab Sample ID: 680-224844-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	1260000		5000		ug/L	10		6010D	Total Recoverable
Iron	3090		100		ug/L	1		6010D	Total Recoverable
Magnesium	144000		500		ug/L	1		6010D	Total Recoverable
Potassium	8560		1000		ug/L	1		6010D	Total Recoverable
Sodium	202000		2000		ug/L	1		6010D	Total Recoverable
Manganese	5950		12.5		ug/L	5		6020A	Dissolved
Lithium	19.2		5.00		ug/L	2		6020A	Dissolved
Iron	3030		50.0		ug/L	2		6020A	Dissolved
Barium	60.1		5.00		ug/L	1		6020B	Total 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 Recoverable
Magnesium	4760		500		ug/L	1		6010D	Total Recoverable
Sodium	19900		2000		ug/L	1		6010D	Total Recoverable
Cobalt	4.55		2.00		ug/L	2		6020A	Dissolved
Manganese	305		5.00		ug/L	2		6020A	Dissolved
Iron	1490		50.0		ug/L	2		6020A	Dissolved
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 Sample ID: AF47639 (Continued)

Lab Sample ID: 680-224844-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	305		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47645

Lab Sample ID: 680-224844-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	393000		500		ug/L	1		6010D	Total Recoverable
Iron	9740		100		ug/L	1		6010D	Total Recoverable
Magnesium	10200		500		ug/L	1		6010D	Total Recoverable
Potassium	4370		1000		ug/L	1		6010D	Total Recoverable
Sodium	52100		2000		ug/L	1		6010D	Total Recoverable
Manganese	701		5.00		ug/L	2		6020A	Dissolved
Lithium	27.6		5.00		ug/L	2		6020A	Dissolved
Iron	8850		50.0		ug/L	2		6020A	Dissolved
Barium	333		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	0.580		0.500		ug/L	1		6020B	Total Recoverable
Manganese	714		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47641

Lab Sample ID: 680-224844-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	273000		500		ug/L	1		6010D	Total Recoverable
Iron	494		100		ug/L	1		6010D	Total Recoverable
Magnesium	4570		500		ug/L	1		6010D	Total Recoverable
Potassium	2330		1000		ug/L	1		6010D	Total Recoverable
Sodium	66800		2000		ug/L	1		6010D	Total Recoverable
Cobalt	56.7		2.00		ug/L	2		6020A	Dissolved
Manganese	1710		5.00		ug/L	2		6020A	Dissolved
Lithium	8.26		5.00		ug/L	2		6020A	Dissolved
Iron	532		50.0		ug/L	2		6020A	Dissolved
Barium	121		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	60.0		0.500		ug/L	1		6020B	Total Recoverable
Manganese	1840		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47642

Lab Sample ID: 680-224844-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	450000		500		ug/L	1		6010D	Total Recoverable
Iron	13500		100		ug/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: AF47642 (Continued)

Lab Sample ID: 680-224844-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	8030		500		ug/L	1		6010D	Total Recoverable
Potassium	1230		1000		ug/L	1		6010D	Total Recoverable
Sodium	70600		2000		ug/L	1		6010D	Total Recoverable
Cobalt	3.16		2.00		ug/L	2		6020A	Dissolved
Manganese	676		5.00		ug/L	2		6020A	Dissolved
Lithium	6.35		5.00		ug/L	2		6020A	Dissolved
Iron	13700		50.0		ug/L	2		6020A	Dissolved
Barium	58.1		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	3.07		0.500		ug/L	1		6020B	Total Recoverable
Manganese	673		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47640

Lab Sample ID: 680-224844-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	164000		500		ug/L	1		6010D	Total Recoverable
Magnesium	7410		500		ug/L	1		6010D	Total Recoverable
Sodium	48100		2000		ug/L	1		6010D	Total Recoverable
Manganese	14.5		5.00		ug/L	2		6020A	Dissolved
Barium	106		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	0.955		0.500		ug/L	1		6020B	Total Recoverable
Manganese	15.7		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47653

Lab Sample ID: 680-224844-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	21800		500		ug/L	1		6010D	Total Recoverable
Iron	155		100		ug/L	1		6010D	Total Recoverable
Magnesium	913		500		ug/L	1		6010D	Total Recoverable
Potassium	1080		1000		ug/L	1		6010D	Total Recoverable
Sodium	3870		2000		ug/L	1		6010D	Total Recoverable
Manganese	198		5.00		ug/L	2		6020A	Dissolved
Iron	181		50.0		ug/L	2		6020A	Dissolved
Barium	77.8		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	1.24		0.500		ug/L	1		6020B	Total Recoverable
Manganese	205		5.00		ug/L	1		6020B	Total Recoverable

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

Job ID: 680-224844-1

Client Sample ID: AF47654

Lab Sample ID: 680-224844-41

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 Recoverable
Magnesium	1270		500		ug/L	1		6010D	Total Recoverable
Potassium	1080		1000		ug/L	1		6010D	Total Recoverable
Sodium	3340		2000		ug/L	1		6010D	Total Recoverable
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 Recoverable
Manganese	114		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47657

Lab Sample ID: 680-224844-42

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	6360		500		ug/L	1		6010D	Total Recoverable
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	Dissolved
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 Recoverable

Client Sample ID: AF47664

Lab Sample ID: 680-224844-43

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	2020		500		ug/L	1		6010D	Total Recoverable
Iron	383		100		ug/L	1		6010D	Total Recoverable
Sodium	4040		2000		ug/L	1		6010D	Total Recoverable
Cobalt	12.5		2.00		ug/L	2		6020A	Dissolved
Manganese	77.3		5.00		ug/L	2		6020A	Dissolved
Iron	597		50.0		ug/L	2		6020A	Dissolved
Barium	31.1		5.00		ug/L	1		6020B	Total Recoverable
Beryllium	0.750		0.500		ug/L	1		6020B	Total Recoverable
Cobalt	15.4		0.500		ug/L	1		6020B	Total Recoverable
Manganese	84.4		5.00		ug/L	1		6020B	Total Recoverable

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

Job ID: 680-224844-1

Client Sample ID: AF47656

Lab Sample ID: 680-224844-44

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	58600		500		ug/L	1		6010D	Total Recoverable
Iron	513		100		ug/L	1		6010D	Total Recoverable
Magnesium	1520		500		ug/L	1		6010D	Total Recoverable
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 Recoverable
Manganese	179		5.00		ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47633

Date Collected: 10/25/22 09:27
Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	13100		500		ug/L		11/08/22 04:59	11/08/22 23:10	1
Iron	10900		100		ug/L		11/08/22 04:59	11/08/22 23:10	1
Magnesium	647		500		ug/L		11/08/22 04:59	11/08/22 23:10	1
Potassium	1000	U	1000		ug/L		11/08/22 04:59	11/08/22 23:10	1
Sodium	5680		2000		ug/L		11/08/22 04:59	11/08/22 23:10	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:09	11/14/22 15:45	2
Cobalt	3.42		2.00		ug/L		11/10/22 14:09	11/14/22 15:45	2
Manganese	13.0		5.00		ug/L		11/10/22 14:09	11/14/22 15:45	2
Lithium	6.06		5.00		ug/L		11/10/22 14:09	11/14/22 15:45	2
Iron	10900		50.0		ug/L		11/10/22 14:09	11/14/22 15:45	2

Method: SW846 6020B - 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 20:20	2

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		11/08/22 04:59	11/09/22 17:00	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 04:59	11/09/22 17:00	1
Barium	85.1		5.00		ug/L		11/08/22 04:59	11/09/22 17:00	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:00	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:00	1
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:00	1
Cobalt	1.89		0.500		ug/L		11/08/22 04:59	11/09/22 17:00	1
Lead	2.50	U	2.50		ug/L		11/08/22 04:59	11/09/22 17:00	1
Manganese	12.9		5.00		ug/L		11/08/22 04:59	11/09/22 17:00	1
Thallium	1.00	U	1.00		ug/L		11/08/22 04:59	11/09/22 17:00	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47632

Date Collected: 10/25/22 10:34
Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-2

Matrix: Water

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

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	U	1000		ug/L		11/08/22 04:59	11/08/22 23:19	1
Sodium	**5740**		2000		ug/L		11/08/22 04:59	11/08/22 23:19	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
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	2
Iron	**264**		50.0		ug/L		11/10/22 14:09	11/14/22 15:59	2

Method: SW846 6020B - 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	2

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		11/08/22 04:59	11/09/22 17:08	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 04:59	11/09/22 17:08	1
Barium	**46.6**		5.00		ug/L		11/08/22 04:59	11/09/22 17:08	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:08	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:08	1
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:08	1
Cobalt	**0.625**		0.500		ug/L		11/08/22 04:59	11/09/22 17:08	1
Lead	**3.20**		2.50		ug/L		11/08/22 04:59	11/09/22 17:08	1
Manganese	**14.5**		5.00		ug/L		11/08/22 04:59	11/09/22 17:08	1
Thallium	1.00	U	1.00		ug/L		11/08/22 04:59	11/09/22 17:08	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47651

Date Collected: 10/25/22 11:10
Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	370000		500		ug/L		11/08/22 04:59	11/08/22 23:22	1
Iron	30400		100		ug/L		11/08/22 04:59	11/08/22 23:22	1
Magnesium	13100		500		ug/L		11/08/22 04:59	11/08/22 23:22	1
Potassium	1830		1000		ug/L		11/08/22 04:59	11/08/22 23:22	1
Sodium	87000		2000		ug/L		11/08/22 04:59	11/08/22 23:22	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	24.8		0.500		ug/L		11/10/22 14:09	11/14/22 16:13	2
Cobalt	133		2.00		ug/L		11/10/22 14:09	11/14/22 16:13	2
Manganese	140		5.00		ug/L		11/10/22 14:09	11/14/22 16:13	2
Lithium	106		5.00		ug/L		11/10/22 14:09	11/14/22 16:13	2
Iron	33500		50.0		ug/L		11/10/22 14:09	11/14/22 16:13	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	2.50	U	2.50		ug/L		11/10/22 14:04	11/14/22 20:50	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		11/08/22 04:59	11/09/22 17:11	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 04:59	11/09/22 17:11	1
Barium	465		5.00		ug/L		11/08/22 04:59	11/09/22 17:11	1
Beryllium	27.0		0.500		ug/L		11/08/22 04:59	11/09/22 17:11	1
Cadmium	0.580		0.500		ug/L		11/08/22 04:59	11/09/22 17:11	1
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:11	1
Cobalt	156		0.500		ug/L		11/08/22 04:59	11/09/22 17:11	1
Lead	2.85		2.50		ug/L		11/08/22 04:59	11/09/22 17:11	1
Manganese	162		5.00		ug/L		11/08/22 04:59	11/09/22 17:11	1
Thallium	1.00	U	1.00		ug/L		11/08/22 04:59	11/09/22 17:11	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47650

Date Collected: 10/25/22 12:46
Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	231000		500		ug/L		11/08/22 04:59	11/08/22 23:25	1
Iron	81000		100		ug/L		11/08/22 04:59	11/08/22 23:25	1
Magnesium	12000		500		ug/L		11/08/22 04:59	11/08/22 23:25	1
Potassium	2460		1000		ug/L		11/08/22 04:59	11/08/22 23:25	1
Sodium	67700		2000		ug/L		11/08/22 04:59	11/08/22 23:25	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	16.4		0.500		ug/L		11/10/22 14:09	11/14/22 16:16	2
Cobalt	38.1		2.00		ug/L		11/10/22 14:09	11/14/22 16:16	2
Manganese	280		5.00		ug/L		11/10/22 14:09	11/14/22 16:16	2
Lithium	54.5		5.00		ug/L		11/10/22 14:09	11/14/22 16:16	2
Iron	86500		50.0		ug/L		11/10/22 14:09	11/14/22 16:16	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	8.56		5.00		ug/L		11/10/22 14:04	11/14/22 20:54	2

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		11/08/22 04:59	11/09/22 17:14	1
Arsenic	4.10		3.00		ug/L		11/08/22 04:59	11/09/22 17:14	1
Barium	30.6		5.00		ug/L		11/08/22 04:59	11/09/22 17:14	1
Beryllium	18.8		0.500		ug/L		11/08/22 04:59	11/09/22 17:14	1
Cadmium	0.805		0.500		ug/L		11/08/22 04:59	11/09/22 17:14	1
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:14	1
Cobalt	41.5		0.500		ug/L		11/08/22 04:59	11/09/22 17:14	1
Lead	13.4		2.50		ug/L		11/08/22 04:59	11/09/22 17:14	1
Manganese	316		5.00		ug/L		11/08/22 04:59	11/09/22 17:14	1
Thallium	1.00	U	1.00		ug/L		11/08/22 04:59	11/09/22 17:14	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47649

Date Collected: 10/25/22 14:11
Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	415000		500		ug/L		11/08/22 04:59	11/08/22 23:34	1
Iron	171000		100		ug/L		11/08/22 04:59	11/08/22 23:34	1
Magnesium	20600		500		ug/L		11/08/22 04:59	11/08/22 23:34	1
Potassium	2300		1000		ug/L		11/08/22 04:59	11/08/22 23:34	1
Sodium	73300		2000		ug/L		11/08/22 04:59	11/08/22 23:34	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	30.8		0.500		ug/L		11/10/22 14:09	11/14/22 16:20	2
Cobalt	82.8		2.00		ug/L		11/10/22 14:09	11/14/22 16:20	2
Manganese	411		5.00		ug/L		11/10/22 14:09	11/14/22 16:20	2
Lithium	65.1		5.00		ug/L		11/10/22 14:09	11/14/22 16:20	2
Iron	192000		50.0		ug/L		11/10/22 14:09	11/14/22 16:20	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	18.9		5.00		ug/L		11/10/22 14:04	11/14/22 20:57	2

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		11/08/22 04:59	11/09/22 17:16	1
Arsenic	6.53		3.00		ug/L		11/08/22 04:59	11/09/22 17:16	1
Barium	42.2		5.00		ug/L		11/08/22 04:59	11/09/22 17:16	1
Beryllium	34.5		0.500		ug/L		11/08/22 04:59	11/09/22 17:16	1
Cadmium	1.87		0.500		ug/L		11/08/22 04:59	11/09/22 17:16	1
Chromium	8.79		5.00		ug/L		11/08/22 04:59	11/09/22 17:16	1
Cobalt	95.6		0.500		ug/L		11/08/22 04:59	11/09/22 17:16	1
Lead	29.8		2.50		ug/L		11/08/22 04:59	11/09/22 17:16	1
Manganese	471		5.00		ug/L		11/08/22 04:59	11/09/22 17:16	1
Thallium	1.00	U	1.00		ug/L		11/08/22 04:59	11/09/22 17:16	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	214000		500		ug/L		11/08/22 04:59	11/08/22 23:37	1
Iron	63500		100		ug/L		11/08/22 04:59	11/08/22 23:37	1
Magnesium	18600		500		ug/L		11/08/22 04:59	11/08/22 23:37	1
Potassium	2350		1000		ug/L		11/08/22 04:59	11/08/22 23:37	1
Sodium	8250		2000		ug/L		11/08/22 04:59	11/08/22 23:37	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	3.74		0.500		ug/L		11/10/22 14:09	11/14/22 16:23	2
Cobalt	19.4		2.00		ug/L		11/10/22 14:09	11/14/22 16:23	2
Manganese	289		5.00		ug/L		11/10/22 14:09	11/14/22 16:23	2
Lithium	15.1		5.00		ug/L		11/10/22 14:09	11/14/22 16:23	2
Iron	71400		50.0		ug/L		11/10/22 14:09	11/14/22 16:23	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	27.3		5.00		ug/L		11/10/22 14:04	11/14/22 21:01	2

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		11/08/22 04:59	11/09/22 17:25	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 04:59	11/09/22 17:25	1
Barium	18.3		5.00		ug/L		11/08/22 04:59	11/09/22 17:25	1
Beryllium	4.32		0.500		ug/L		11/08/22 04:59	11/09/22 17:25	1
Cadmium	1.38		0.500		ug/L		11/08/22 04:59	11/09/22 17:25	1
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:25	1
Cobalt	21.5		0.500		ug/L		11/08/22 04:59	11/09/22 17:25	1
Lead	25.1		2.50		ug/L		11/08/22 04:59	11/09/22 17:25	1
Manganese	325		5.00		ug/L		11/08/22 04:59	11/09/22 17:25	1
Thallium	1.00	U	1.00		ug/L		11/08/22 04:59	11/09/22 17:25	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	213000		500		ug/L		11/08/22 04:59	11/08/22 23:40	1
Iron	62800		100		ug/L		11/08/22 04:59	11/08/22 23:40	1
Magnesium	18600		500		ug/L		11/08/22 04:59	11/08/22 23:40	1
Potassium	2310		1000		ug/L		11/08/22 04:59	11/08/22 23:40	1
Sodium	8230		2000		ug/L		11/08/22 04:59	11/08/22 23:40	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	3.71		0.500		ug/L		11/10/22 14:09	11/14/22 16:26	2
Cobalt	18.7		2.00		ug/L		11/10/22 14:09	11/14/22 16:26	2
Manganese	284		5.00		ug/L		11/10/22 14:09	11/14/22 16:26	2
Lithium	15.3		5.00		ug/L		11/10/22 14:09	11/14/22 16:26	2
Iron	68100		50.0		ug/L		11/10/22 14:09	11/14/22 16:26	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	28.0		5.00		ug/L		11/10/22 14:04	11/14/22 21:04	2

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		11/08/22 04:59	11/09/22 17:27	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 04:59	11/09/22 17:27	1
Barium	17.8		5.00		ug/L		11/08/22 04:59	11/09/22 17:27	1
Beryllium	4.00		0.500		ug/L		11/08/22 04:59	11/09/22 17:27	1
Cadmium	1.72		0.500		ug/L		11/08/22 04:59	11/09/22 17:27	1
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:27	1
Cobalt	20.4		0.500		ug/L		11/08/22 04:59	11/09/22 17:27	1
Lead	24.3		2.50		ug/L		11/08/22 04:59	11/09/22 17:27	1
Manganese	314		5.00		ug/L		11/08/22 04:59	11/09/22 17:27	1
Thallium	1.00	U	1.00		ug/L		11/08/22 04:59	11/09/22 17:27	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	320000		500		ug/L		11/08/22 04:59	11/08/22 23:43	1
Iron	114000		100		ug/L		11/08/22 04:59	11/08/22 23:43	1
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	1
Sodium	80200		20000		ug/L		11/08/22 04:59	11/09/22 15:44	10

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	11.7		0.500		ug/L		11/10/22 14:09	11/14/22 16:30	2
Cobalt	68.3		2.00		ug/L		11/10/22 14:09	11/14/22 16:30	2
Manganese	885		5.00		ug/L		11/10/22 14:09	11/14/22 16:30	2
Lithium	13.7		5.00		ug/L		11/10/22 14:09	11/14/22 16:30	2
Iron	141000		50.0		ug/L		11/10/22 14:09	11/14/22 16:30	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	46.4		5.00		ug/L		11/10/22 14:04	11/14/22 21:08	2

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		11/08/22 04:59	11/09/22 17:30	1
Arsenic	6.21		3.00		ug/L		11/08/22 04:59	11/09/22 17:30	1
Barium	28.1		5.00		ug/L		11/08/22 04:59	11/09/22 17:30	1
Beryllium	11.7		0.500		ug/L		11/08/22 04:59	11/09/22 17:30	1
Cadmium	3.19		0.500		ug/L		11/08/22 04:59	11/09/22 17:30	1
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:30	1
Cobalt	79.7		0.500		ug/L		11/08/22 04:59	11/09/22 17:30	1
Lead	55.1		2.50		ug/L		11/08/22 04:59	11/09/22 17:30	1
Manganese	1050		5.00		ug/L		11/08/22 04:59	11/09/22 17:30	1
Thallium	1.00	U	1.00		ug/L		11/08/22 04:59	11/09/22 17:30	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	193000		500		ug/L		11/08/22 04:59	11/08/22 23:46	1
Iron	133000		100		ug/L		11/08/22 04:59	11/08/22 23:46	1
Magnesium	43000		500		ug/L		11/08/22 04:59	11/08/22 23:46	1
Potassium	3850		1000		ug/L		11/08/22 04:59	11/08/22 23:46	1
Sodium	57000		2000		ug/L		11/08/22 04:59	11/08/22 23:46	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	9.82		0.500		ug/L		11/10/22 14:09	11/14/22 16:33	2
Cobalt	43.6		2.00		ug/L		11/10/22 14:09	11/14/22 16:33	2
Manganese	391		5.00		ug/L		11/10/22 14:09	11/14/22 16:33	2
Lithium	21.0		5.00		ug/L		11/10/22 14:09	11/14/22 16:33	2
Iron	162000		50.0		ug/L		11/10/22 14:09	11/14/22 16:33	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	26.5		5.00		ug/L		11/10/22 14:04	11/14/22 21:11	2

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		11/08/22 04:59	11/09/22 17:33	1
Arsenic	4.72		3.00		ug/L		11/08/22 04:59	11/09/22 17:33	1
Barium	46.9		5.00		ug/L		11/08/22 04:59	11/09/22 17:33	1
Beryllium	11.2		0.500		ug/L		11/08/22 04:59	11/09/22 17:33	1
Cadmium	2.20		0.500		ug/L		11/08/22 04:59	11/09/22 17:33	1
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:33	1
Cobalt	52.3		0.500		ug/L		11/08/22 04:59	11/09/22 17:33	1
Lead	8.88		2.50		ug/L		11/08/22 04:59	11/09/22 17:33	1
Manganese	468		5.00		ug/L		11/08/22 04:59	11/09/22 17:33	1
Thallium	1.00	U	1.00		ug/L		11/08/22 04:59	11/09/22 17:33	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	181000		500		ug/L		11/08/22 04:59	11/08/22 23:49	1
Iron	54800		100		ug/L		11/08/22 04:59	11/08/22 23:49	1
Magnesium	6720		500		ug/L		11/08/22 04:59	11/08/22 23:49	1
Potassium	1000	U	1000		ug/L		11/08/22 04:59	11/08/22 23:49	1
Sodium	44600		2000		ug/L		11/08/22 04:59	11/08/22 23:49	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	3.78		0.500		ug/L		11/10/22 14:09	11/14/22 16:37	2
Cobalt	14.7		2.00		ug/L		11/10/22 14:09	11/14/22 16:37	2
Manganese	196		5.00		ug/L		11/10/22 14:09	11/14/22 16:37	2
Lithium	63.3		5.00		ug/L		11/10/22 14:09	11/14/22 16:37	2
Iron	55600		50.0		ug/L		11/10/22 14:09	11/14/22 16:37	2

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

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 21:25	2

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		11/08/22 04:59	11/09/22 17:35	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 04:59	11/09/22 17:35	1
Barium	46.7		5.00		ug/L		11/08/22 04:59	11/09/22 17:35	1
Beryllium	5.21		0.500		ug/L		11/08/22 04:59	11/09/22 17:35	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:35	1
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:35	1
Cobalt	15.3		0.500		ug/L		11/08/22 04:59	11/09/22 17:35	1
Lead	2.50	U	2.50		ug/L		11/08/22 04:59	11/09/22 17:35	1
Manganese	141		5.00		ug/L		11/08/22 04:59	11/09/22 17:35	1
Thallium	1.00	U	1.00		ug/L		11/08/22 04:59	11/09/22 17:35	1

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
Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	85200		500		ug/L		11/08/22 04:59	11/08/22 23:52	1
Iron	2230		100		ug/L		11/08/22 04:59	11/08/22 23:52	1
Magnesium	1860		500		ug/L		11/08/22 04:59	11/08/22 23:52	1
Potassium	1000	U	1000		ug/L		11/08/22 04:59	11/08/22 23:52	1
Sodium	12400		2000		ug/L		11/08/22 04:59	11/08/22 23:52	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:09	11/14/22 16:40	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:09	11/14/22 16:40	2
Manganese	58.1		5.00		ug/L		11/10/22 14:09	11/14/22 16:40	2
Lithium	5.79		5.00		ug/L		11/10/22 14:09	11/14/22 16:40	2
Iron	1870		50.0		ug/L		11/10/22 14:09	11/14/22 16:40	2

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

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 21:28	2

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		11/08/22 04:59	11/09/22 17:38	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 04:59	11/09/22 17:38	1
Barium	94.8		5.00		ug/L		11/08/22 04:59	11/09/22 17:38	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:38	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:38	1
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:38	1
Cobalt	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:38	1
Lead	2.50	U	2.50		ug/L		11/08/22 04:59	11/09/22 17:38	1
Manganese	56.2		5.00		ug/L		11/08/22 04:59	11/09/22 17:38	1
Thallium	1.00	U	1.00		ug/L		11/08/22 04:59	11/09/22 17:38	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	486000		500		ug/L		11/08/22 04:59	11/08/22 23:55	1
Iron	94300		100		ug/L		11/08/22 04:59	11/08/22 23:55	1
Magnesium	52700		500		ug/L		11/08/22 04:59	11/08/22 23:55	1
Potassium	6890		1000		ug/L		11/08/22 04:59	11/08/22 23:55	1
Sodium	133000		2000		ug/L		11/08/22 04:59	11/08/22 23:55	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	19.6		0.500		ug/L		11/10/22 14:09	11/14/22 16:44	2
Cobalt	40.6		2.00		ug/L		11/10/22 14:09	11/14/22 16:44	2
Manganese	1010		5.00		ug/L		11/10/22 14:09	11/14/22 16:44	2
Lithium	59.8		5.00		ug/L		11/10/22 14:09	11/14/22 16:44	2
Iron	98800		50.0		ug/L		11/10/22 14:09	11/14/22 16:44	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	14.4		10.0		ug/L		11/10/22 14:04	11/14/22 21:32	2

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		11/08/22 04:59	11/09/22 17:41	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 04:59	11/09/22 17:41	1
Barium	41.2		5.00		ug/L		11/08/22 04:59	11/09/22 17:41	1
Beryllium	24.5		0.500		ug/L		11/08/22 04:59	11/09/22 17:41	1
Cadmium	1.47		0.500		ug/L		11/08/22 04:59	11/09/22 17:41	1
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:41	1
Cobalt	50.1		0.500		ug/L		11/08/22 04:59	11/09/22 17:41	1
Lead	18.7		2.50		ug/L		11/08/22 04:59	11/09/22 17:41	1
Manganese	1250		5.00		ug/L		11/08/22 04:59	11/09/22 17:41	1
Thallium	1.00	U	1.00		ug/L		11/08/22 04:59	11/09/22 17:41	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	483000		500		ug/L		11/08/22 04:59	11/08/22 23:58	1
Iron	93200		100		ug/L		11/08/22 04:59	11/08/22 23:58	1
Magnesium	52400		500		ug/L		11/08/22 04:59	11/08/22 23:58	1
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	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	20.2		0.500		ug/L		11/10/22 14:09	11/14/22 16:57	2
Cobalt	41.7		2.00		ug/L		11/10/22 14:09	11/14/22 16:57	2
Manganese	1040		5.00		ug/L		11/10/22 14:09	11/14/22 16:57	2
Lithium	63.1		5.00		ug/L		11/10/22 14:09	11/14/22 16:57	2
Iron	102000		50.0		ug/L		11/10/22 14:09	11/14/22 16:57	2

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

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	2

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		11/08/22 04:59	11/09/22 17:44	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 04:59	11/09/22 17:44	1
Barium	40.2		5.00		ug/L		11/08/22 04:59	11/09/22 17:44	1
Beryllium	23.6		0.500		ug/L		11/08/22 04:59	11/09/22 17:44	1
Cadmium	1.58		0.500		ug/L		11/08/22 04:59	11/09/22 17:44	1
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:44	1
Cobalt	47.3		0.500		ug/L		11/08/22 04:59	11/09/22 17:44	1
Lead	17.7		2.50		ug/L		11/08/22 04:59	11/09/22 17:44	1
Manganese	1180		5.00		ug/L		11/08/22 04:59	11/09/22 17:44	1
Thallium	1.00	U	1.00		ug/L		11/08/22 04:59	11/09/22 17:44	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**1120000**		5000		ug/L		11/08/22 04:59	11/09/22 15:47	10
Iron	**10200**		100		ug/L		11/08/22 04:59	11/09/22 00:01	1
Magnesium	**143000**		500		ug/L		11/08/22 04:59	11/09/22 00:01	1
Potassium	**10400**		1000		ug/L		11/08/22 04:59	11/09/22 00:01	1
Sodium	**183000**		2000		ug/L		11/08/22 04:59	11/09/22 00:01	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:09	11/14/22 17:01	2
Cobalt	**37.0**		2.00		ug/L		11/10/22 14:09	11/14/22 17:01	2
Manganese	**5130**		12.5		ug/L		11/10/22 14:09	11/15/22 15:58	5
Lithium	**50.7**		5.00		ug/L		11/10/22 14:09	11/14/22 17:01	2
Iron	**12300**		50.0		ug/L		11/10/22 14:09	11/14/22 17:01	2

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

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 21:38	2

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		11/08/22 04:59	11/09/22 17:52	1
Arsenic	**4.35**		3.00		ug/L		11/08/22 04:59	11/09/22 17:52	1
Barium	**56.2**		5.00		ug/L		11/08/22 04:59	11/09/22 17:52	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:52	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:52	1
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:52	1
Cobalt	**43.1**		0.500		ug/L		11/08/22 04:59	11/09/22 17:52	1
Lead	2.50	U	2.50		ug/L		11/08/22 04:59	11/09/22 17:52	1
Manganese	**6170**		5.00		ug/L		11/08/22 04:59	11/09/22 17:52	1
Thallium	1.00	U	1.00		ug/L		11/08/22 04:59	11/09/22 17:52	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47626

Date Collected: 10/27/22 09:41
Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	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	1
Magnesium	349000		500		ug/L		11/08/22 04:59	11/09/22 00:10	1
Potassium	20800		1000		ug/L		11/08/22 04:59	11/09/22 00:10	1
Sodium	194000		2000		ug/L		11/08/22 04:59	11/09/22 00:10	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:09	11/14/22 17:04	2
Cobalt	9.13		2.00		ug/L		11/10/22 14:09	11/14/22 17:04	2
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	2
Iron	219000		250		ug/L		11/10/22 14:09	11/15/22 16:02	10

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

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 21:42	2

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		11/08/22 04:59	11/09/22 17:54	1
Arsenic	4.83		3.00		ug/L		11/08/22 04:59	11/09/22 17:54	1
Barium	48.3		5.00		ug/L		11/08/22 04:59	11/09/22 17:54	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:54	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:54	1
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:54	1
Cobalt	10.4		0.500		ug/L		11/08/22 04:59	11/09/22 17:54	1
Lead	2.50	U	2.50		ug/L		11/08/22 04:59	11/09/22 17:54	1
Manganese	10200		5.00		ug/L		11/08/22 04:59	11/09/22 17:54	1
Thallium	1.00	U	1.00		ug/L		11/08/22 04:59	11/09/22 17:54	1

Client Sample Results

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47625

Date Collected: 10/27/22 11:01
Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-16

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	472000		500		ug/L		11/08/22 04:59	11/09/22 00:13	1
Iron	15300		100		ug/L		11/08/22 04:59	11/09/22 00:13	1
Magnesium	15200		500		ug/L		11/08/22 04:59	11/09/22 00:13	1
Potassium	1450		1000		ug/L		11/08/22 04:59	11/09/22 00:13	1
Sodium	70200		2000		ug/L		11/08/22 04:59	11/09/22 00:13	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:09	11/14/22 17:08	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:09	11/14/22 17:08	2
Manganese	517		5.00		ug/L		11/10/22 14:09	11/14/22 17:08	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:09	11/14/22 17:08	2
Iron	14300		50.0		ug/L		11/10/22 14:09	11/14/22 17:08	2

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

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 21:45	2

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		11/08/22 04:59	11/09/22 17:57	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 04:59	11/09/22 17:57	1
Barium	338		5.00		ug/L		11/08/22 04:59	11/09/22 17:57	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:57	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:57	1
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:57	1
Cobalt	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:57	1
Lead	2.50	U	2.50		ug/L		11/08/22 04:59	11/09/22 17:57	1
Manganese	452		5.00		ug/L		11/08/22 04:59	11/09/22 17:57	1
Thallium	1.00	U	1.00		ug/L		11/08/22 04:59	11/09/22 17:57	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	152000		500		ug/L		11/08/22 04:59	11/09/22 00:16	1
Iron	120000		100		ug/L		11/08/22 04:59	11/09/22 00:16	1
Magnesium	3990		500		ug/L		11/08/22 04:59	11/09/22 00:16	1
Potassium	1000	U	1000		ug/L		11/08/22 04:59	11/09/22 00:16	1
Sodium	78700		2000		ug/L		11/08/22 04:59	11/09/22 00:16	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	4.57		0.500		ug/L		11/10/22 14:12	11/14/22 17:18	2
Cobalt	14.3		2.00		ug/L		11/10/22 14:12	11/14/22 17:18	2
Manganese	84.2		5.00		ug/L		11/10/22 14:12	11/14/22 17:18	2
Lithium	12.4		5.00		ug/L		11/10/22 14:12	11/14/22 17:18	2
Iron	118000		50.0		ug/L		11/10/22 14:12	11/14/22 17:18	2

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

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 21:49	2

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		11/08/22 04:59	11/09/22 18:00	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 04:59	11/09/22 18:00	1
Barium	1540		5.00		ug/L		11/08/22 04:59	11/09/22 18:00	1
Beryllium	5.20		0.500		ug/L		11/08/22 04:59	11/09/22 18:00	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 18:00	1
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 18:00	1
Cobalt	15.1		0.500		ug/L		11/08/22 04:59	11/09/22 18:00	1
Lead	8.81		2.50		ug/L		11/08/22 04:59	11/09/22 18:00	1
Manganese	80.3		5.00		ug/L		11/08/22 04:59	11/09/22 18:00	1
Thallium	1.00	U	1.00		ug/L		11/08/22 04:59	11/09/22 18:00	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	697000		500		ug/L		11/08/22 04:59	11/09/22 00:19	1
Iron	13100		100		ug/L		11/08/22 04:59	11/09/22 00:19	1
Magnesium	76500		500		ug/L		11/08/22 04:59	11/09/22 00:19	1
Potassium	8510		1000		ug/L		11/08/22 04:59	11/09/22 00:19	1
Sodium	129000		2000		ug/L		11/08/22 04:59	11/09/22 00:19	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

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 17:42	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:12	11/14/22 17:42	2
Manganese	610		5.00		ug/L		11/10/22 14:12	11/14/22 17:42	2
Lithium	19.3		5.00		ug/L		11/10/22 14:12	11/14/22 17:42	2
Iron	12800		50.0		ug/L		11/10/22 14:12	11/14/22 17:42	2

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

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 21:52	2

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		11/08/22 04:59	11/09/22 18:03	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 04:59	11/09/22 18:03	1
Barium	133		5.00		ug/L		11/08/22 04:59	11/09/22 18:03	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 18:03	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 18:03	1
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 18:03	1
Cobalt	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 18:03	1
Lead	2.50	U	2.50		ug/L		11/08/22 04:59	11/09/22 18:03	1
Manganese	660		5.00		ug/L		11/08/22 04:59	11/09/22 18:03	1
Thallium	1.00	U	1.00		ug/L		11/08/22 04:59	11/09/22 18:03	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	549000		500		ug/L		11/08/22 04:59	11/09/22 00:22	1
Iron	1230		100		ug/L		11/08/22 04:59	11/09/22 00:22	1
Magnesium	52000		500		ug/L		11/08/22 04:59	11/09/22 00:22	1
Potassium	3890		1000		ug/L		11/08/22 04:59	11/09/22 00:22	1
Sodium	81800		2000		ug/L		11/08/22 04:59	11/09/22 00:22	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

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 17:45	2
Cobalt	25.3		2.00		ug/L		11/10/22 14:12	11/14/22 17:45	2
Manganese	3290		5.00		ug/L		11/10/22 14:12	11/14/22 17:45	2
Lithium	7.09		5.00		ug/L		11/10/22 14:12	11/14/22 17:45	2
Iron	1330		50.0		ug/L		11/10/22 14:12	11/14/22 17:45	2

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

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 21:56	2

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		11/08/22 04:59	11/09/22 18:05	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 04:59	11/09/22 18:05	1
Barium	83.8		5.00		ug/L		11/08/22 04:59	11/09/22 18:05	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 18:05	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 18:05	1
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 18:05	1
Cobalt	28.6		0.500		ug/L		11/08/22 04:59	11/09/22 18:05	1
Lead	2.50	U	2.50		ug/L		11/08/22 04:59	11/09/22 18:05	1
Manganese	3730		5.00		ug/L		11/08/22 04:59	11/09/22 18:05	1
Thallium	1.00	U	1.00		ug/L		11/08/22 04:59	11/09/22 18:05	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47659

Date Collected: 10/27/22 15:56
Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-20

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	81700		500		ug/L		11/08/22 04:59	11/09/22 00:25	1
Iron	2300		100		ug/L		11/08/22 04:59	11/09/22 00:25	1
Magnesium	2720		500		ug/L		11/08/22 04:59	11/09/22 00:25	1
Potassium	1000	U	1000		ug/L		11/08/22 04:59	11/09/22 00:25	1
Sodium	14300		2000		ug/L		11/08/22 04:59	11/09/22 00:25	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

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 17:49	2
Cobalt	7.01		2.00		ug/L		11/10/22 14:12	11/14/22 17:49	2
Manganese	97.5		5.00		ug/L		11/10/22 14:12	11/14/22 17:49	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 17:49	2
Iron	2170		50.0		ug/L		11/10/22 14:12	11/14/22 17:49	2

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

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 22:09	2

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		11/08/22 04:59	11/09/22 18:08	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 04:59	11/09/22 18:08	1
Barium	189		5.00		ug/L		11/08/22 04:59	11/09/22 18:08	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 18:08	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 18:08	1
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 18:08	1
Cobalt	7.29		0.500		ug/L		11/08/22 04:59	11/09/22 18:08	1
Lead	2.50	U	2.50		ug/L		11/08/22 04:59	11/09/22 18:08	1
Manganese	101		5.00		ug/L		11/08/22 04:59	11/09/22 18:08	1
Thallium	1.00	U	1.00		ug/L		11/08/22 04:59	11/09/22 18:08	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47660

Date Collected: 10/27/22 16:01
Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-21

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	79400		500		ug/L		11/08/22 05:33	11/09/22 00:34	1
Iron	2250		100		ug/L		11/08/22 05:33	11/09/22 00:34	1
Magnesium	2700		500		ug/L		11/08/22 05:33	11/09/22 00:34	1
Potassium	1000	U	1000		ug/L		11/08/22 05:33	11/09/22 00:34	1
Sodium	14100		2000		ug/L		11/08/22 05:33	11/09/22 00:34	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

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 17:52	2
Cobalt	6.68		2.00		ug/L		11/10/22 14:12	11/14/22 17:52	2
Manganese	90.9		5.00		ug/L		11/10/22 14:12	11/14/22 17:52	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 17:52	2
Iron	1760		50.0		ug/L		11/10/22 14:12	11/14/22 17:52	2

Method: SW846 6020B - 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 14:07	11/14/22 22:20	2

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		11/08/22 05:33	11/09/22 18:27	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 18:27	1
Barium	191		5.00		ug/L		11/08/22 05:33	11/09/22 18:27	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:27	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:27	1
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 18:27	1
Cobalt	7.45		0.500		ug/L		11/08/22 05:33	11/09/22 18:27	1
Lead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 18:27	1
Manganese	104		5.00		ug/L		11/08/22 05:33	11/09/22 18:27	1
Thallium	1.00	U	1.00		ug/L		11/08/22 05:33	11/09/22 18:27	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	115000		500		ug/L		11/08/22 05:33	11/09/22 00:49	1
Iron	242		100		ug/L		11/08/22 05:33	11/09/22 00:49	1
Magnesium	2480		500		ug/L		11/08/22 05:33	11/09/22 00:49	1
Potassium	1970		1000		ug/L		11/08/22 05:33	11/09/22 00:49	1
Sodium	16300		2000		ug/L		11/08/22 05:33	11/09/22 00:49	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

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 17:56	2
Cobalt	7.85		2.00		ug/L		11/10/22 14:12	11/14/22 17:56	2
Manganese	243		5.00		ug/L		11/10/22 14:12	11/14/22 17:56	2
Lithium	5.47		5.00		ug/L		11/10/22 14:12	11/14/22 17:56	2
Iron	225		50.0		ug/L		11/10/22 14:12	11/14/22 17:56	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 22:23	2

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		11/08/22 05:33	11/09/22 18:35	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 18:35	1
Barium	222		5.00		ug/L		11/08/22 05:33	11/09/22 18:35	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:35	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:35	1
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 18:35	1
Cobalt	8.62		0.500		ug/L		11/08/22 05:33	11/09/22 18:35	1
Lead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 18:35	1
Manganese	256		5.00		ug/L		11/08/22 05:33	11/09/22 18:35	1
Thallium	1.00	U	1.00		ug/L		11/08/22 05:33	11/09/22 18:35	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47634

Date Collected: 10/31/22 11:27
Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-23

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**168000**		500		ug/L		11/08/22 05:33	11/09/22 00:52	1
Iron	100	U	100		ug/L		11/08/22 05:33	11/09/22 00:52	1
Magnesium	**3000**		500		ug/L		11/08/22 05:33	11/09/22 00:52	1
Potassium	1000	U	1000		ug/L		11/08/22 05:33	11/09/22 00:52	1
Sodium	**24200**		2000		ug/L		11/08/22 05:33	11/09/22 00:52	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

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 17:59	2
Cobalt	**2.79**		2.00		ug/L		11/10/22 14:12	11/14/22 17:59	2
Manganese	**117**		5.00		ug/L		11/10/22 14:12	11/14/22 17:59	2
Lithium	**9.21**		5.00		ug/L		11/10/22 14:12	11/14/22 17:59	2
Iron	**79.1**		50.0		ug/L		11/10/22 14:12	11/14/22 17:59	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 22:27	2

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		11/08/22 05:33	11/09/22 18:38	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 18:38	1
Barium	**129**		5.00		ug/L		11/08/22 05:33	11/09/22 18:38	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:38	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:38	1
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 18:38	1
Cobalt	**3.06**		0.500		ug/L		11/08/22 05:33	11/09/22 18:38	1
Lead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 18:38	1
Manganese	**126**		5.00		ug/L		11/08/22 05:33	11/09/22 18:38	1
Thallium	1.00	U	1.00		ug/L		11/08/22 05:33	11/09/22 18:38	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47635

Date Collected: 10/31/22 11:32
Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-24

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	175000		500		ug/L		11/08/22 05:33	11/09/22 00:55	1
Iron	100	U	100		ug/L		11/08/22 05:33	11/09/22 00:55	1
Magnesium	3060		500		ug/L		11/08/22 05:33	11/09/22 00:55	1
Potassium	1000	U	1000		ug/L		11/08/22 05:33	11/09/22 00:55	1
Sodium	25000		2000		ug/L		11/08/22 05:33	11/09/22 00:55	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

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 18:02	2
Cobalt	2.92		2.00		ug/L		11/10/22 14:12	11/14/22 18:02	2
Manganese	118		5.00		ug/L		11/10/22 14:12	11/14/22 18:02	2
Lithium	9.97		5.00		ug/L		11/10/22 14:12	11/14/22 18:02	2
Iron	82.0		50.0		ug/L		11/10/22 14:12	11/14/22 18:02	2

Method: SW846 6020B - 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 14:07	11/14/22 22:30	2

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		11/08/22 05:33	11/09/22 18:41	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 18:41	1
Barium	134		5.00		ug/L		11/08/22 05:33	11/09/22 18:41	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:41	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:41	1
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 18:41	1
Cobalt	3.13		0.500		ug/L		11/08/22 05:33	11/09/22 18:41	1
Lead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 18:41	1
Manganese	130		5.00		ug/L		11/08/22 05:33	11/09/22 18:41	1
Thallium	1.00	U	1.00		ug/L		11/08/22 05:33	11/09/22 18:41	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	138000		500		ug/L		11/08/22 05:33	11/09/22 00:58	1
Iron	402		100		ug/L		11/08/22 05:33	11/09/22 00:58	1
Magnesium	2190		500		ug/L		11/08/22 05:33	11/09/22 00:58	1
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	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

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 18:06	2
Cobalt	3.33		2.00		ug/L		11/10/22 14:12	11/14/22 18:06	2
Manganese	144		5.00		ug/L		11/10/22 14:12	11/14/22 18:06	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 18:06	2
Iron	338		50.0		ug/L		11/10/22 14:12	11/14/22 18:06	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 22:57	2

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		11/08/22 05:33	11/09/22 18:43	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 18:43	1
Barium	184		5.00		ug/L		11/08/22 05:33	11/09/22 18:43	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:43	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:43	1
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 18:43	1
Cobalt	3.64		0.500		ug/L		11/08/22 05:33	11/09/22 18:43	1
Lead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 18:43	1
Manganese	157		5.00		ug/L		11/08/22 05:33	11/09/22 18:43	1
Thallium	1.00	U	1.00		ug/L		11/08/22 05:33	11/09/22 18:43	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47637
Date Collected: 10/31/22 13:42
Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-26
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	222000		500		ug/L		11/08/22 05:33	11/09/22 01:01	1
Iron	2080		100		ug/L		11/08/22 05:33	11/09/22 01:01	1
Magnesium	7110		500		ug/L		11/08/22 05:33	11/09/22 01:01	1
Potassium	1000	U	1000		ug/L		11/08/22 05:33	11/09/22 01:01	1
Sodium	7350		2000		ug/L		11/08/22 05:33	11/09/22 01:01	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

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 18:09	2
Cobalt	13.7		2.00		ug/L		11/10/22 14:12	11/14/22 18:09	2
Manganese	664		5.00		ug/L		11/10/22 14:12	11/14/22 18:09	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 18:09	2
Iron	1970		50.0		ug/L		11/10/22 14:12	11/14/22 18:09	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 23:01	2

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		11/08/22 05:33	11/09/22 18:52	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 18:52	1
Barium	80.4		5.00		ug/L		11/08/22 05:33	11/09/22 18:52	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:52	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:52	1
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 18:52	1
Cobalt	14.2		0.500		ug/L		11/08/22 05:33	11/09/22 18:52	1
Lead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 18:52	1
Manganese	693		5.00		ug/L		11/08/22 05:33	11/09/22 18:52	1
Thallium	1.00	U	1.00		ug/L		11/08/22 05:33	11/09/22 18:52	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	130000		500		ug/L		11/08/22 05:33	11/09/22 01:04	1
Iron	100	U	100		ug/L		11/08/22 05:33	11/09/22 01:04	1
Magnesium	3140		500		ug/L		11/08/22 05:33	11/09/22 01:04	1
Potassium	1000	U	1000		ug/L		11/08/22 05:33	11/09/22 01:04	1
Sodium	11800		2000		ug/L		11/08/22 05:33	11/09/22 01:04	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

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 18:13	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:12	11/14/22 18:13	2
Manganese	7.64		5.00		ug/L		11/10/22 14:12	11/14/22 18:13	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 18:13	2
Iron	50.0	U	50.0		ug/L		11/10/22 14:12	11/14/22 18:13	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 23:04	2

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		11/08/22 05:33	11/09/22 18:54	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 18:54	1
Barium	61.6		5.00		ug/L		11/08/22 05:33	11/09/22 18:54	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:54	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:54	1
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 18:54	1
Cobalt	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:54	1
Lead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 18:54	1
Manganese	8.26		5.00		ug/L		11/08/22 05:33	11/09/22 18:54	1
Thallium	1.00	U	1.00		ug/L		11/08/22 05:33	11/09/22 18:54	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**13500**		500		ug/L		11/08/22 05:33	11/09/22 01:07	1
Iron	100	U	100		ug/L		11/08/22 05:33	11/09/22 01:07	1
Magnesium	**922**		500		ug/L		11/08/22 05:33	11/09/22 01:07	1
Potassium	**2270**		1000		ug/L		11/08/22 05:33	11/09/22 01:07	1
Sodium	**6800**		2000		ug/L		11/08/22 05:33	11/09/22 01:07	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

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 18:26	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:12	11/14/22 18:26	2
Manganese	**10.4**		5.00		ug/L		11/10/22 14:12	11/14/22 18:26	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 18:26	2
Iron	50.0	U	50.0		ug/L		11/10/22 14:12	11/14/22 18:26	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 23:08	2

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		11/08/22 05:33	11/09/22 18:57	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 18:57	1
Barium	**132**		5.00		ug/L		11/08/22 05:33	11/09/22 18:57	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:57	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:57	1
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 18:57	1
Cobalt	**0.860**		0.500		ug/L		11/08/22 05:33	11/09/22 18:57	1
Lead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 18:57	1
Manganese	**8.61**		5.00		ug/L		11/08/22 05:33	11/09/22 18:57	1
Thallium	1.00	U	1.00		ug/L		11/08/22 05:33	11/09/22 18:57	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47644

Date Collected: 11/02/22 09:47
Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-29

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**14400**		500		ug/L		11/08/22 05:33	11/09/22 01:10	1
Iron	100	U	100		ug/L		11/08/22 05:33	11/09/22 01:10	1
Magnesium	**979**		500		ug/L		11/08/22 05:33	11/09/22 01:10	1
Potassium	**2400**		1000		ug/L		11/08/22 05:33	11/09/22 01:10	1
Sodium	**7190**		2000		ug/L		11/08/22 05:33	11/09/22 01:10	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

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 18:30	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:12	11/14/22 18:30	2
Manganese	**6.63**		5.00		ug/L		11/10/22 14:12	11/14/22 18:30	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 18:30	2
Iron	50.0	U	50.0		ug/L		11/10/22 14:12	11/14/22 18:30	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 23:11	2

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		11/08/22 05:33	11/09/22 19:00	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 19:00	1
Barium	**138**		5.00		ug/L		11/08/22 05:33	11/09/22 19:00	1
Beryllium	**0.740**		0.500		ug/L		11/08/22 05:33	11/09/22 19:00	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:00	1
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:00	1
Cobalt	**0.905**		0.500		ug/L		11/08/22 05:33	11/09/22 19:00	1
Lead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 19:00	1
Manganese	**7.44**		5.00		ug/L		11/08/22 05:33	11/09/22 19:00	1
Thallium	1.00	U	1.00		ug/L		11/08/22 05:33	11/09/22 19:00	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47631

Date Collected: 11/02/22 11:02
Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-30

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	41600		500		ug/L		11/08/22 05:33	11/09/22 01:13	1
Iron	8980		100		ug/L		11/08/22 05:33	11/09/22 01:13	1
Magnesium	2680		500		ug/L		11/08/22 05:33	11/09/22 01:13	1
Potassium	1720		1000		ug/L		11/08/22 05:33	11/09/22 01:13	1
Sodium	6460		2000		ug/L		11/08/22 05:33	11/09/22 01:13	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

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 18:33	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:12	11/14/22 18:33	2
Manganese	162		5.00		ug/L		11/10/22 14:12	11/14/22 18:33	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 18:33	2
Iron	7800		50.0		ug/L		11/10/22 14:12	11/14/22 18:33	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 23:15	2

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		11/08/22 05:33	11/09/22 19:02	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 19:02	1
Barium	170		5.00		ug/L		11/08/22 05:33	11/09/22 19:02	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:02	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:02	1
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:02	1
Cobalt	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:02	1
Lead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 19:02	1
Manganese	88.3		5.00		ug/L		11/08/22 05:33	11/09/22 19:02	1
Thallium	1.00	U	1.00		ug/L		11/08/22 05:33	11/09/22 19:02	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47655

Date Collected: 11/02/22 12:32
Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-31

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**15700**		500		ug/L		11/08/22 05:33	11/09/22 01:23	1
Iron	**341**		100		ug/L		11/08/22 05:33	11/09/22 01:23	1
Magnesium	500	U	500		ug/L		11/08/22 05:33	11/09/22 01:23	1
Potassium	1000	U	1000		ug/L		11/08/22 05:33	11/09/22 01:23	1
Sodium	**4060**		2000		ug/L		11/08/22 05:33	11/09/22 01:23	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

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 18:37	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:12	11/14/22 18:37	2
Manganese	**192**		5.00		ug/L		11/10/22 14:12	11/14/22 18:37	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 18:37	2
Iron	**366**		50.0		ug/L		11/10/22 14:12	11/14/22 18:37	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 23:18	2

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		11/08/22 05:33	11/09/22 19:05	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 19:05	1
Barium	**38.6**		5.00		ug/L		11/08/22 05:33	11/09/22 19:05	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:05	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:05	1
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:05	1
Cobalt	**1.19**		0.500		ug/L		11/08/22 05:33	11/09/22 19:05	1
Lead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 19:05	1
Manganese	**198**		5.00		ug/L		11/08/22 05:33	11/09/22 19:05	1
Thallium	1.00	U	1.00		ug/L		11/08/22 05:33	11/09/22 19:05	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**16100**		500		ug/L		11/08/22 05:33	11/09/22 01:26	1
Iron	100	U	100		ug/L		11/08/22 05:33	11/09/22 01:26	1
Magnesium	**5150**		500		ug/L		11/08/22 05:33	11/09/22 01:26	1
Potassium	**1230**		1000		ug/L		11/08/22 05:33	11/09/22 01:26	1
Sodium	**2540**		2000		ug/L		11/08/22 05:33	11/09/22 01:26	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	**3.84**		0.500		ug/L		11/10/22 14:12	11/14/22 18:40	2
Cobalt	**30.5**		2.00		ug/L		11/10/22 14:12	11/14/22 18:40	2
Manganese	**40.5**		5.00		ug/L		11/10/22 14:12	11/14/22 18:40	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 18:40	2
Iron	**172**		50.0		ug/L		11/10/22 14:12	11/14/22 18:40	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 23:22	2

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		11/08/22 05:33	11/09/22 19:08	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 19:08	1
Barium	**48.1**		5.00		ug/L		11/08/22 05:33	11/09/22 19:08	1
Beryllium	**4.07**		0.500		ug/L		11/08/22 05:33	11/09/22 19:08	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:08	1
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:08	1
Cobalt	**32.6**		0.500		ug/L		11/08/22 05:33	11/09/22 19:08	1
Lead	**2.63**		2.50		ug/L		11/08/22 05:33	11/09/22 19:08	1
Manganese	**37.9**		5.00		ug/L		11/08/22 05:33	11/09/22 19:08	1
Thallium	1.00	U	1.00		ug/L		11/08/22 05:33	11/09/22 19:08	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	11500		500		ug/L		11/08/22 05:33	11/09/22 01:29	1
Iron	136		100		ug/L		11/08/22 05:33	11/09/22 01:29	1
Magnesium	617		500		ug/L		11/08/22 05:33	11/09/22 01:29	1
Potassium	1000	U	1000		ug/L		11/08/22 05:33	11/09/22 01:29	1
Sodium	6350		2000		ug/L		11/08/22 05:33	11/09/22 01:29	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

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 18:43	2
Cobalt	9.36		2.00		ug/L		11/10/22 14:12	11/14/22 18:43	2
Manganese	478		5.00		ug/L		11/10/22 14:12	11/14/22 18:43	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 18:43	2
Iron	143		50.0		ug/L		11/10/22 14:12	11/14/22 18:43	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 23:25	2

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		11/08/22 05:33	11/09/22 19:16	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 19:16	1
Barium	40.5		5.00		ug/L		11/08/22 05:33	11/09/22 19:16	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:16	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:16	1
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:16	1
Cobalt	9.60		0.500		ug/L		11/08/22 05:33	11/09/22 19:16	1
Lead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 19:16	1
Manganese	517		5.00		ug/L		11/08/22 05:33	11/09/22 19:16	1
Thallium	1.00	U	1.00		ug/L		11/08/22 05:33	11/09/22 19:16	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47658

Date Collected: 11/02/22 16:00
Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-34

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	1260000		5000		ug/L		11/08/22 05:33	11/09/22 15:41	10
Iron	3090		100		ug/L		11/08/22 05:33	11/09/22 01:32	1
Magnesium	144000		500		ug/L		11/08/22 05:33	11/09/22 01:32	1
Potassium	8560		1000		ug/L		11/08/22 05:33	11/09/22 01:32	1
Sodium	202000		2000		ug/L		11/08/22 05:33	11/09/22 01:32	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

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 18:47	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:12	11/14/22 18:47	2
Manganese	5950		12.5		ug/L		11/10/22 14:12	11/15/22 16:05	5
Lithium	19.2		5.00		ug/L		11/10/22 14:12	11/14/22 18:47	2
Iron	3030		50.0		ug/L		11/10/22 14:12	11/14/22 18:47	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 23:39	2

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		11/08/22 05:33	11/09/22 19:19	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 19:19	1
Barium	60.1		5.00		ug/L		11/08/22 05:33	11/09/22 19:19	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:19	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:19	1
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:19	1
Cobalt	1.15		0.500		ug/L		11/08/22 05:33	11/09/22 19:19	1
Lead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 19:19	1
Manganese	6800		5.00		ug/L		11/08/22 05:33	11/09/22 19:19	1
Thallium	1.00	U	1.00		ug/L		11/08/22 05:33	11/09/22 19:19	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	274000		500		ug/L		11/08/22 05:33	11/09/22 01:35	1
Iron	1750		100		ug/L		11/08/22 05:33	11/09/22 01:35	1
Magnesium	4760		500		ug/L		11/08/22 05:33	11/09/22 01:35	1
Potassium	1000	U	1000		ug/L		11/08/22 05:33	11/09/22 01:35	1
Sodium	19900		2000		ug/L		11/08/22 05:33	11/09/22 01:35	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

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 18:50	2
Cobalt	4.55		2.00		ug/L		11/10/22 14:12	11/14/22 18:50	2
Manganese	305		5.00		ug/L		11/10/22 14:12	11/14/22 18:50	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 18:50	2
Iron	1490		50.0		ug/L		11/10/22 14:12	11/14/22 18:50	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 23:42	2

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		11/08/22 05:33	11/09/22 19:21	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 19:21	1
Barium	126		5.00		ug/L		11/08/22 05:33	11/09/22 19:21	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:21	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:21	1
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:21	1
Cobalt	4.20		0.500		ug/L		11/08/22 05:33	11/09/22 19:21	1
Lead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 19:21	1
Manganese	305		5.00		ug/L		11/08/22 05:33	11/09/22 19:21	1
Thallium	1.00	U	1.00		ug/L		11/08/22 05:33	11/09/22 19:21	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47645

Date Collected: 11/01/22 11:29
Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-36

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	393000		500		ug/L		11/08/22 05:33	11/09/22 01:38	1
Iron	9740		100		ug/L		11/08/22 05:33	11/09/22 01:38	1
Magnesium	10200		500		ug/L		11/08/22 05:33	11/09/22 01:38	1
Potassium	4370		1000		ug/L		11/08/22 05:33	11/09/22 01:38	1
Sodium	52100		2000		ug/L		11/08/22 05:33	11/09/22 01:38	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

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 18:54	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:12	11/14/22 18:54	2
Manganese	701		5.00		ug/L		11/10/22 14:12	11/14/22 18:54	2
Lithium	27.6		5.00		ug/L		11/10/22 14:12	11/14/22 18:54	2
Iron	8850		50.0		ug/L		11/10/22 14:12	11/14/22 18:54	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 23:46	2

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		11/08/22 05:33	11/09/22 19:24	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 19:24	1
Barium	333		5.00		ug/L		11/08/22 05:33	11/09/22 19:24	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:24	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:24	1
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:24	1
Cobalt	0.580		0.500		ug/L		11/08/22 05:33	11/09/22 19:24	1
Lead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 19:24	1
Manganese	714		5.00		ug/L		11/08/22 05:33	11/09/22 19:24	1
Thallium	1.00	U	1.00		ug/L		11/08/22 05:33	11/09/22 19:24	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47641

Date Collected: 11/01/22 12:28
Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-37

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	273000		500		ug/L		11/08/22 05:33	11/09/22 01:41	1
Iron	494		100		ug/L		11/08/22 05:33	11/09/22 01:41	1
Magnesium	4570		500		ug/L		11/08/22 05:33	11/09/22 01:41	1
Potassium	2330		1000		ug/L		11/08/22 05:33	11/09/22 01:41	1
Sodium	66800		2000		ug/L		11/08/22 05:33	11/09/22 01:41	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

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 19:14	2
Cobalt	56.7		2.00		ug/L		11/10/22 14:16	11/14/22 19:14	2
Manganese	1710		5.00		ug/L		11/10/22 14:16	11/14/22 19:14	2
Lithium	8.26		5.00		ug/L		11/10/22 14:16	11/14/22 19:14	2
Iron	532		50.0		ug/L		11/10/22 14:16	11/14/22 19:14	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 23:49	2

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		11/08/22 05:33	11/09/22 19:27	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 19:27	1
Barium	121		5.00		ug/L		11/08/22 05:33	11/09/22 19:27	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:27	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:27	1
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:27	1
Cobalt	60.0		0.500		ug/L		11/08/22 05:33	11/09/22 19:27	1
Lead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 19:27	1
Manganese	1840		5.00		ug/L		11/08/22 05:33	11/09/22 19:27	1
Thallium	1.00	U	1.00		ug/L		11/08/22 05:33	11/09/22 19:27	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47642

Date Collected: 11/01/22 14:06
Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-38

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	450000		500		ug/L		11/08/22 05:33	11/09/22 01:44	1
Iron	13500		100		ug/L		11/08/22 05:33	11/09/22 01:44	1
Magnesium	8030		500		ug/L		11/08/22 05:33	11/09/22 01:44	1
Potassium	1230		1000		ug/L		11/08/22 05:33	11/09/22 01:44	1
Sodium	70600		2000		ug/L		11/08/22 05:33	11/09/22 01:44	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

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 19:28	2
Cobalt	3.16		2.00		ug/L		11/10/22 14:16	11/14/22 19:28	2
Manganese	676		5.00		ug/L		11/10/22 14:16	11/14/22 19:28	2
Lithium	6.35		5.00		ug/L		11/10/22 14:16	11/14/22 19:28	2
Iron	13700		50.0		ug/L		11/10/22 14:16	11/14/22 19:28	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 23:52	2

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		11/08/22 05:33	11/09/22 19:30	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 19:30	1
Barium	58.1		5.00		ug/L		11/08/22 05:33	11/09/22 19:30	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:30	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:30	1
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:30	1
Cobalt	3.07		0.500		ug/L		11/08/22 05:33	11/09/22 19:30	1
Lead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 19:30	1
Manganese	673		5.00		ug/L		11/08/22 05:33	11/09/22 19:30	1
Thallium	1.00	U	1.00		ug/L		11/08/22 05:33	11/09/22 19:30	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47640

Date Collected: 11/01/22 15:15
Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-39

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	164000		500		ug/L		11/08/22 05:33	11/09/22 01:47	1
Iron	100	U	100		ug/L		11/08/22 05:33	11/09/22 01:47	1
Magnesium	7410		500		ug/L		11/08/22 05:33	11/09/22 01:47	1
Potassium	1000	U	1000		ug/L		11/08/22 05:33	11/09/22 01:47	1
Sodium	48100		2000		ug/L		11/08/22 05:33	11/09/22 01:47	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

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 19:31	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:16	11/14/22 19:31	2
Manganese	14.5		5.00		ug/L		11/10/22 14:16	11/14/22 19:31	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:16	11/14/22 19:31	2
Iron	50.0	U	50.0		ug/L		11/10/22 14:16	11/14/22 19:31	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 23:56	2

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		11/08/22 05:33	11/09/22 19:32	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 19:32	1
Barium	106		5.00		ug/L		11/08/22 05:33	11/09/22 19:32	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:32	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:32	1
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:32	1
Cobalt	0.955		0.500		ug/L		11/08/22 05:33	11/09/22 19:32	1
Lead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 19:32	1
Manganese	15.7		5.00		ug/L		11/08/22 05:33	11/09/22 19:32	1
Thallium	1.00	U	1.00		ug/L		11/08/22 05:33	11/09/22 19:32	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47653

Date Collected: 11/03/22 10:03
Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-40

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	21800		500		ug/L		11/08/22 05:33	11/09/22 01:50	1
Iron	155		100		ug/L		11/08/22 05:33	11/09/22 01:50	1
Magnesium	913		500		ug/L		11/08/22 05:33	11/09/22 01:50	1
Potassium	1080		1000		ug/L		11/08/22 05:33	11/09/22 01:50	1
Sodium	3870		2000		ug/L		11/08/22 05:33	11/09/22 01:50	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

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 19:35	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:16	11/14/22 19:35	2
Manganese	198		5.00		ug/L		11/10/22 14:16	11/14/22 19:35	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:16	11/14/22 19:35	2
Iron	181		50.0		ug/L		11/10/22 14:16	11/14/22 19:35	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 23:59	2

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		11/08/22 05:33	11/09/22 19:35	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 19:35	1
Barium	77.8		5.00		ug/L		11/08/22 05:33	11/09/22 19:35	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:35	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:35	1
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:35	1
Cobalt	1.24		0.500		ug/L		11/08/22 05:33	11/09/22 19:35	1
Lead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 19:35	1
Manganese	205		5.00		ug/L		11/08/22 05:33	11/09/22 19:35	1
Thallium	1.00	U	1.00		ug/L		11/08/22 05:33	11/09/22 19:35	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47654

Date Collected: 11/03/22 11:04
Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-41

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	51400		500		ug/L		11/08/22 05:57	11/08/22 18:06	1
Iron	1100		100		ug/L		11/08/22 05:57	11/08/22 18:06	1
Magnesium	1270		500		ug/L		11/08/22 05:57	11/08/22 18:06	1
Potassium	1080		1000		ug/L		11/08/22 05:57	11/08/22 18:06	1
Sodium	3340		2000		ug/L		11/08/22 05:57	11/08/22 18:06	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

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 19:38	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:16	11/14/22 19:38	2
Manganese	113		5.00		ug/L		11/10/22 14:16	11/14/22 19:38	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:16	11/14/22 19:38	2
Iron	437		50.0		ug/L		11/10/22 14:16	11/14/22 19:38	2

Method: SW846 6020B - 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 14:09	11/14/22 15:28	2

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		11/08/22 05:57	11/08/22 21:12	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:57	11/08/22 21:12	1
Barium	40.3		5.00		ug/L		11/08/22 05:57	11/08/22 21:12	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:57	11/08/22 21:12	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:57	11/08/22 21:12	1
Chromium	5.00	U	5.00		ug/L		11/08/22 05:57	11/08/22 21:12	1
Cobalt	0.500	U	0.500		ug/L		11/08/22 05:57	11/08/22 21:12	1
Lead	2.50	U	2.50		ug/L		11/08/22 05:57	11/08/22 21:12	1
Manganese	114		5.00		ug/L		11/08/22 05:57	11/08/22 21:12	1
Thallium	1.00	U	1.00		ug/L		11/08/22 05:57	11/08/22 21:12	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47657

Date Collected: 11/03/22 12:20
Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-42

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	6360		500		ug/L		11/08/22 05:57	11/08/22 18:21	1
Iron	886		100		ug/L		11/08/22 05:57	11/08/22 18:21	1
Magnesium	500	U	500		ug/L		11/08/22 05:57	11/08/22 18:21	1
Potassium	1000	U	1000		ug/L		11/08/22 05:57	11/08/22 18:21	1
Sodium	3550		2000		ug/L		11/08/22 05:57	11/08/22 18:21	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

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 19:42	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:16	11/14/22 19:42	2
Manganese	43.4		5.00		ug/L		11/10/22 14:16	11/14/22 19:42	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:16	11/14/22 19:42	2
Iron	931		50.0		ug/L		11/10/22 14:16	11/14/22 19:42	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		11/10/22 14:09	11/14/22 15:35	2

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		11/08/22 05:57	11/08/22 21:20	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:57	11/08/22 21:20	1
Barium	17.2		5.00		ug/L		11/08/22 05:57	11/08/22 21:20	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:57	11/08/22 21:20	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:57	11/08/22 21:20	1
Chromium	5.00	U	5.00		ug/L		11/08/22 05:57	11/08/22 21:20	1
Cobalt	2.06		0.500		ug/L		11/08/22 05:57	11/08/22 21:20	1
Lead	2.50	U	2.50		ug/L		11/08/22 05:57	11/08/22 21:20	1
Manganese	47.2		5.00		ug/L		11/08/22 05:57	11/08/22 21:20	1
Thallium	1.00	U	1.00		ug/L		11/08/22 05:57	11/08/22 21:20	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47664

Date Collected: 11/03/22 13:44
Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-43

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**2020**		500		ug/L		11/08/22 05:57	11/08/22 18:24	1
Iron	**383**		100		ug/L		11/08/22 05:57	11/08/22 18:24	1
Magnesium	500	U	500		ug/L		11/08/22 05:57	11/08/22 18:24	1
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	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

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 19:55	2
Cobalt	**12.5**		2.00		ug/L		11/10/22 14:16	11/14/22 19:55	2
Manganese	**77.3**		5.00		ug/L		11/10/22 14:16	11/14/22 19:55	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:16	11/14/22 19:55	2
Iron	**597**		50.0		ug/L		11/10/22 14:16	11/14/22 19:55	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		11/10/22 14:09	11/14/22 15:39	2

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		11/08/22 05:57	11/08/22 21:23	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:57	11/08/22 21:23	1
Barium	**31.1**		5.00		ug/L		11/08/22 05:57	11/08/22 21:23	1
Beryllium	**0.750**		0.500		ug/L		11/08/22 05:57	11/08/22 21:23	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:57	11/08/22 21:23	1
Chromium	5.00	U	5.00		ug/L		11/08/22 05:57	11/08/22 21:23	1
Cobalt	**15.4**		0.500		ug/L		11/08/22 05:57	11/08/22 21:23	1
Lead	2.50	U	2.50		ug/L		11/08/22 05:57	11/08/22 21:23	1
Manganese	**84.4**		5.00		ug/L		11/08/22 05:57	11/08/22 21:23	1
Thallium	1.00	U	1.00		ug/L		11/08/22 05:57	11/08/22 21:23	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47656

Date Collected: 11/03/22 14:49
Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-44

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	58600		500		ug/L		11/08/22 05:57	11/08/22 18:27	1
Iron	513		100		ug/L		11/08/22 05:57	11/08/22 18:27	1
Magnesium	1520		500		ug/L		11/08/22 05:57	11/08/22 18:27	1
Potassium	1000	U	1000		ug/L		11/08/22 05:57	11/08/22 18:27	1
Sodium	7450		2000		ug/L		11/08/22 05:57	11/08/22 18:27	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

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 19:59	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:16	11/14/22 19:59	2
Manganese	161		5.00		ug/L		11/10/22 14:16	11/14/22 19:59	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:16	11/14/22 19:59	2
Iron	235		50.0		ug/L		11/10/22 14:16	11/14/22 19:59	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		11/10/22 14:09	11/14/22 15:42	2

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		11/08/22 05:57	11/08/22 21:25	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:57	11/08/22 21:25	1
Barium	56.6		5.00		ug/L		11/08/22 05:57	11/08/22 21:25	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:57	11/08/22 21:25	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:57	11/08/22 21:25	1
Chromium	5.00	U	5.00		ug/L		11/08/22 05:57	11/08/22 21:25	1
Cobalt	0.765		0.500		ug/L		11/08/22 05:57	11/08/22 21:25	1
Lead	2.50	U	2.50		ug/L		11/08/22 05:57	11/08/22 21:25	1
Manganese	179		5.00		ug/L		11/08/22 05:57	11/08/22 21:25	1
Thallium	1.00	U	1.00		ug/L		11/08/22 05:57	11/08/22 21:25	1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 680-749406/1-A
Matrix: Water
Analysis Batch: 749694

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 749406

Analyte	MB Result	MB 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

Lab Sample ID: LCS 680-749406/2-A
Matrix: Water
Analysis Batch: 749694

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 749406

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

Lab Sample ID: 680-224844-1 MS
Matrix: Water
Analysis Batch: 749694

Client Sample ID: AF47633
Prep Type: Total Recoverable
Prep Batch: 749406

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
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	10460		ug/L		95	75 - 125

Lab Sample ID: 680-224844-1 MSD
Matrix: Water
Analysis Batch: 749694

Client Sample ID: AF47633
Prep Type: Total Recoverable
Prep Batch: 749406

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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

Lab Sample ID: MB 680-749408/1-A
Matrix: Water
Analysis Batch: 749694

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 749408

Analyte	MB Result	MB 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	U	2000		ug/L		11/08/22 05:33	11/09/22 00:28	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 680-749408/2-A
Matrix: Water
Analysis Batch: 749694

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 749408

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

Lab Sample ID: 680-224844-21 MS
Matrix: Water
Analysis Batch: 749694

Client Sample ID: AF47660
Prep Type: Total Recoverable
Prep Batch: 749408

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	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		86	75 - 125

Lab Sample ID: 680-224844-21 MSD
Matrix: Water
Analysis Batch: 749694

Client Sample ID: AF47660
Prep Type: Total Recoverable
Prep Batch: 749408

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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		ug/L		87	75 - 125	0	20

Lab Sample ID: MB 680-749410/1-A
Matrix: Water
Analysis Batch: 749694

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 749410

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	500	U	500		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	U	2000		ug/L		11/08/22 05:57	11/08/22 18:00	1

Lab Sample ID: LCS 680-749410/2-A
Matrix: Water
Analysis Batch: 749694

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 749410

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

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 680-224844-41 MS
Matrix: Water
Analysis Batch: 749694

Client Sample ID: AF47654
Prep Type: Total Recoverable
Prep Batch: 749410

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	51400		5000	56750	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: AF47654
Prep Type: Total Recoverable
Prep Batch: 749410

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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

Analyte	MB Result	MB 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

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

Analyte	MB Result	MB 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

Analyte	MB Result	MB 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
Matrix: Water
Analysis Batch: 590073

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 589631

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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
Iron	10000	9867		ug/L		99	80 - 120

Lab Sample ID: 680-224844-1 MS
Matrix: Water
Analysis Batch: 590073

Client Sample ID: AF47633
Prep Type: Dissolved
Prep Batch: 589629

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	0.500	U	100	98.80		ug/L		98	75 - 125
Cobalt	3.42		1000	959.5		ug/L		96	75 - 125
Manganese	13.0		1000	939.4		ug/L		93	75 - 125
Lithium	6.06		100	106.6		ug/L		101	75 - 125
Iron	10900		10000	20000		ug/L		90	75 - 125

Lab Sample ID: 680-224844-1 MSD
Matrix: Water
Analysis Batch: 590073

Client Sample ID: AF47633
Prep Type: Dissolved
Prep Batch: 589629

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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

Lab Sample ID: 680-224844-17 MS
Matrix: Water
Analysis Batch: 590073

Client Sample ID: AF47624
Prep Type: Dissolved
Prep Batch: 589630

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	4.57		100	103.9		ug/L		99	75 - 125
Cobalt	14.3		1000	973.4		ug/L		96	75 - 125
Manganese	84.2		1000	1029		ug/L		94	75 - 125
Lithium	12.4		100	113.3		ug/L		101	75 - 125
Iron	118000		10000	126600	4	ug/L		88	75 - 125

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

Lab Sample ID: 680-224844-17 MSD
Matrix: Water
Analysis Batch: 590073

Client Sample ID: AF47624
Prep Type: Dissolved
Prep Batch: 589630

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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: AF47641
Prep Type: Dissolved
Prep Batch: 589631

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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	8.26		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: AF47641
Prep Type: Dissolved
Prep Batch: 589631

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Beryllium	0.500	U	100	98.85		ug/L		99	75 - 125	1	20
Cobalt	56.7		1000	998.9		ug/L		94	75 - 125	1	20
Manganese	1710		1000	2619		ug/L		91	75 - 125	0	20
Lithium	8.26		100	105.4		ug/L		97	75 - 125	3	20
Iron	532		10000	10130		ug/L		96	75 - 125	1	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 160-589627/1-A
Matrix: Water
Analysis Batch: 590073

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589627

Analyte	MB Result	MB 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
Matrix: Water
Analysis Batch: 590073

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589627

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	500	491.3		ug/L		98	80 - 120

Lab Sample ID: 680-224844-2 MS
Matrix: Water
Analysis Batch: 590073

Client Sample ID: AF47632
Prep Type: Total/NA
Prep Batch: 589627

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	10.0	U	1000	985.8		ug/L		99	75 - 125

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: 680-224844-2 MSD
Matrix: Water
Analysis Batch: 590073

Client Sample ID: AF47632
Prep Type: Total/NA
Prep Batch: 589627

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Selenium	10.0	U	1000	1024		ug/L		102	75 - 125	4	20

Lab Sample ID: MB 160-589628/1-A
Matrix: Water
Analysis Batch: 590073

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589628

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 22:13	2

Lab Sample ID: LCS 160-589628/2-A
Matrix: Water
Analysis Batch: 590073

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589628

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	500	490.1		ug/L		98	80 - 120

Lab Sample ID: 680-224844-24 MS
Matrix: Water
Analysis Batch: 590073

Client Sample ID: AF47635
Prep Type: Total/NA
Prep Batch: 589628

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	10.0	U	1000	924.1		ug/L		92	75 - 125

Lab Sample ID: 680-224844-24 MSD
Matrix: Water
Analysis Batch: 590073

Client Sample ID: AF47635
Prep Type: Total/NA
Prep Batch: 589628

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Selenium	10.0	U	1000	969.2		ug/L		97	75 - 125	5	20

Lab Sample ID: MB 160-589629/1-A
Matrix: Water
Analysis Batch: 590073

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589629

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		11/10/22 14:09	11/14/22 15:11	2

Lab Sample ID: LCS 160-589629/2-A
Matrix: Water
Analysis Batch: 590073

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589629

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	500	479.0		ug/L		96	80 - 120

Lab Sample ID: MB 680-749407/1-A
Matrix: Water
Analysis Batch: 749990

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 749407

Analyte	MB Result	MB 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 16:55	1

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

Lab Sample ID: MB 680-749407/1-A
Matrix: Water
Analysis Batch: 749990

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 749407

Analyte	MB Result	MB 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	U	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	1
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	1
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	1
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

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 749407

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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: AF47633
Prep Type: Total Recoverable
Prep Batch: 749407

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	5.00	U	50.0	52.67		ug/L		105	75 - 125
Arsenic	3.00	U	100	107.2		ug/L		105	75 - 125
Barium	85.1		100	191.6		ug/L		106	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	U	50.0	51.86		ug/L		104	75 - 125

Lab Sample ID: 680-224844-1 MSD
Matrix: Water
Analysis Batch: 749990

Client Sample ID: AF47633
Prep Type: Total Recoverable
Prep Batch: 749407

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	5.00	U	50.0	54.16		ug/L		108	75 - 125	3	20
Arsenic	3.00	U	100	110.6		ug/L		108	75 - 125	3	20

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

Lab Sample ID: 680-224844-1 MSD
Matrix: Water
Analysis Batch: 749990

Client Sample ID: AF47633
Prep Type: Total Recoverable
Prep Batch: 749407

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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
Matrix: Water
Analysis Batch: 749990

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 749409

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 18:22	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 18:22	1
Barium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 18:22	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:22	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:22	1
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 18:22	1
Cobalt	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:22	1
Lead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 18:22	1
Manganese	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 18:22	1
Thallium	1.00	U	1.00		ug/L		11/08/22 05:33	11/09/22 18:22	1

Lab Sample ID: LCS 680-749409/2-A
Matrix: Water
Analysis Batch: 749990

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 749409

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

Lab Sample ID: 680-224844-21 MS
Matrix: Water
Analysis Batch: 749990

Client Sample ID: AF47660
Prep Type: Total Recoverable
Prep Batch: 749409

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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

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

Lab Sample ID: 680-224844-21 MS
Matrix: Water
Analysis Batch: 749990

Client Sample ID: AF47660
Prep Type: Total Recoverable
Prep Batch: 749409

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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
Matrix: Water
Analysis Batch: 749990

Client Sample ID: AF47660
Prep Type: Total Recoverable
Prep Batch: 749409

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	5.00	U	50.0	56.36		ug/L		113	75 - 125	5	20
Arsenic	3.00	U	100	112.7		ug/L		113	75 - 125	4	20
Barium	191		100	307.1		ug/L		116	75 - 125	5	20
Beryllium	0.500	U	50.0	52.84		ug/L		106	75 - 125	5	20
Cadmium	0.500	U	50.0	54.86		ug/L		110	75 - 125	5	20
Chromium	5.00	U	100	115.9		ug/L		116	75 - 125	6	20
Cobalt	7.45		50.0	61.14		ug/L		107	75 - 125	4	20
Lead	2.50	U	505	553.2		ug/L		109	75 - 125	5	20
Manganese	104		400	531.4		ug/L		107	75 - 125	5	20
Thallium	1.00	U	50.0	56.03		ug/L		112	75 - 125	6	20

Lab Sample ID: MB 680-749411/1-A
Matrix: Water
Analysis Batch: 749688

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 749411

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		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	U	5.00		ug/L		11/08/22 05:57	11/08/22 21:06	1
Thallium	1.00	U	1.00		ug/L		11/08/22 05:57	11/08/22 21:06	1

Lab Sample ID: LCS 680-749411/2-A
Matrix: Water
Analysis Batch: 749688

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 749411

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

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

Lab Sample ID: LCS 680-749411/2-A
Matrix: Water
Analysis Batch: 749688

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 749411

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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		106	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

Client Sample ID: AF47654
Prep Type: Total Recoverable
Prep Batch: 749411

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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: AF47654
Prep Type: Total Recoverable
Prep Batch: 749411

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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

Metals

Prep Batch: 589627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-1	AF47633	Total/NA	Water	3010A	
680-224844-2	AF47632	Total/NA	Water	3010A	
680-224844-3	AF47651	Total/NA	Water	3010A	
680-224844-4	AF47650	Total/NA	Water	3010A	
680-224844-5	AF47649	Total/NA	Water	3010A	
680-224844-6	AF47647	Total/NA	Water	3010A	
680-224844-7	AF47648	Total/NA	Water	3010A	
680-224844-8	AF47652	Total/NA	Water	3010A	
680-224844-9	AF47646	Total/NA	Water	3010A	
680-224844-10	AF47621	Total/NA	Water	3010A	
680-224844-11	AF47630	Total/NA	Water	3010A	
680-224844-12	AF47628	Total/NA	Water	3010A	
680-224844-13	AF47629	Total/NA	Water	3010A	
680-224844-14	AF47627	Total/NA	Water	3010A	
680-224844-15	AF47626	Total/NA	Water	3010A	
680-224844-16	AF47625	Total/NA	Water	3010A	
680-224844-17	AF47624	Total/NA	Water	3010A	
680-224844-18	AF47623	Total/NA	Water	3010A	
680-224844-19	AF47622	Total/NA	Water	3010A	
680-224844-20	AF47659	Total/NA	Water	3010A	
MB 160-589627/1-A	Method Blank	Total/NA	Water	3010A	
LCS 160-589627/2-A	Lab Control Sample	Total/NA	Water	3010A	
680-224844-2 MS	AF47632	Total/NA	Water	3010A	
680-224844-2 MSD	AF47632	Total/NA	Water	3010A	

Prep Batch: 589628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-21	AF47660	Total/NA	Water	3010A	
680-224844-22	AF47661	Total/NA	Water	3010A	
680-224844-23	AF47634	Total/NA	Water	3010A	
680-224844-24	AF47635	Total/NA	Water	3010A	
680-224844-25	AF47636	Total/NA	Water	3010A	
680-224844-26	AF47637	Total/NA	Water	3010A	
680-224844-27	AF47638	Total/NA	Water	3010A	
680-224844-28	AF47643	Total/NA	Water	3010A	
680-224844-29	AF47644	Total/NA	Water	3010A	
680-224844-30	AF47631	Total/NA	Water	3010A	
680-224844-31	AF47655	Total/NA	Water	3010A	
680-224844-32	AF47662	Total/NA	Water	3010A	
680-224844-33	AF47663	Total/NA	Water	3010A	
680-224844-34	AF47658	Total/NA	Water	3010A	
680-224844-35	AF47639	Total/NA	Water	3010A	
680-224844-36	AF47645	Total/NA	Water	3010A	
680-224844-37	AF47641	Total/NA	Water	3010A	
680-224844-38	AF47642	Total/NA	Water	3010A	
680-224844-39	AF47640	Total/NA	Water	3010A	
680-224844-40	AF47653	Total/NA	Water	3010A	
MB 160-589628/1-A	Method Blank	Total/NA	Water	3010A	
LCS 160-589628/2-A	Lab Control Sample	Total/NA	Water	3010A	
680-224844-24 MS	AF47635	Total/NA	Water	3010A	
680-224844-24 MSD	AF47635	Total/NA	Water	3010A	

Metals

Prep Batch: 589629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-1	AF47633	Dissolved	Water	3005A	
680-224844-2	AF47632	Dissolved	Water	3005A	
680-224844-3	AF47651	Dissolved	Water	3005A	
680-224844-4	AF47650	Dissolved	Water	3005A	
680-224844-5	AF47649	Dissolved	Water	3005A	
680-224844-6	AF47647	Dissolved	Water	3005A	
680-224844-7	AF47648	Dissolved	Water	3005A	
680-224844-8	AF47652	Dissolved	Water	3005A	
680-224844-9	AF47646	Dissolved	Water	3005A	
680-224844-10	AF47621	Dissolved	Water	3005A	
680-224844-11	AF47630	Dissolved	Water	3005A	
680-224844-12	AF47628	Dissolved	Water	3005A	
680-224844-13	AF47629	Dissolved	Water	3005A	
680-224844-14	AF47627	Dissolved	Water	3005A	
680-224844-15	AF47626	Dissolved	Water	3005A	
680-224844-16	AF47625	Dissolved	Water	3005A	
680-224844-41	AF47654	Total/NA	Water	3010A	
680-224844-42	AF47657	Total/NA	Water	3010A	
680-224844-43	AF47664	Total/NA	Water	3010A	
680-224844-44	AF47656	Total/NA	Water	3010A	
MB 160-589629/1-A	Method Blank	Total/NA	Water	3010A	
LCS 160-589629/2-A	Lab Control Sample	Total/NA	Water	3010A	
680-224844-1 MS	AF47633	Dissolved	Water	3005A	
680-224844-1 MSD	AF47633	Dissolved	Water	3005A	

Prep Batch: 589630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-17	AF47624	Dissolved	Water	3005A	
680-224844-18	AF47623	Dissolved	Water	3005A	
680-224844-19	AF47622	Dissolved	Water	3005A	
680-224844-20	AF47659	Dissolved	Water	3005A	
680-224844-21	AF47660	Dissolved	Water	3005A	
680-224844-22	AF47661	Dissolved	Water	3005A	
680-224844-23	AF47634	Dissolved	Water	3005A	
680-224844-24	AF47635	Dissolved	Water	3005A	
680-224844-25	AF47636	Dissolved	Water	3005A	
680-224844-26	AF47637	Dissolved	Water	3005A	
680-224844-27	AF47638	Dissolved	Water	3005A	
680-224844-28	AF47643	Dissolved	Water	3005A	
680-224844-29	AF47644	Dissolved	Water	3005A	
680-224844-30	AF47631	Dissolved	Water	3005A	
680-224844-31	AF47655	Dissolved	Water	3005A	
680-224844-32	AF47662	Dissolved	Water	3005A	
680-224844-33	AF47663	Dissolved	Water	3005A	
680-224844-34	AF47658	Dissolved	Water	3005A	
680-224844-35	AF47639	Dissolved	Water	3005A	
680-224844-36	AF47645	Dissolved	Water	3005A	
MB 160-589630/1-A	Method Blank	Total Recoverable	Water	3010A	
LCS 160-589630/2-A	Lab Control Sample	Total Recoverable	Water	3010A	
680-224844-17 MS	AF47624	Dissolved	Water	3005A	
680-224844-17 MSD	AF47624	Dissolved	Water	3005A	

Metals

Prep Batch: 589631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-37	AF47641	Dissolved	Water	3005A	
680-224844-38	AF47642	Dissolved	Water	3005A	
680-224844-39	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	
680-224844-44	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	
680-224844-37 MSD	AF47641	Dissolved	Water	3005A	

Analysis Batch: 590073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-1	AF47633	Dissolved	Water	6020A	589629
680-224844-1	AF47633	Total/NA	Water	6020B	589627
680-224844-2	AF47632	Dissolved	Water	6020A	589629
680-224844-2	AF47632	Total/NA	Water	6020B	589627
680-224844-3	AF47651	Dissolved	Water	6020A	589629
680-224844-3	AF47651	Total/NA	Water	6020B	589627
680-224844-4	AF47650	Dissolved	Water	6020A	589629
680-224844-4	AF47650	Total/NA	Water	6020B	589627
680-224844-5	AF47649	Dissolved	Water	6020A	589629
680-224844-5	AF47649	Total/NA	Water	6020B	589627
680-224844-6	AF47647	Dissolved	Water	6020A	589629
680-224844-6	AF47647	Total/NA	Water	6020B	589627
680-224844-7	AF47648	Dissolved	Water	6020A	589629
680-224844-7	AF47648	Total/NA	Water	6020B	589627
680-224844-8	AF47652	Dissolved	Water	6020A	589629
680-224844-8	AF47652	Total/NA	Water	6020B	589627
680-224844-9	AF47646	Dissolved	Water	6020A	589629
680-224844-9	AF47646	Total/NA	Water	6020B	589627
680-224844-10	AF47621	Dissolved	Water	6020A	589629
680-224844-10	AF47621	Total/NA	Water	6020B	589627
680-224844-11	AF47630	Dissolved	Water	6020A	589629
680-224844-11	AF47630	Total/NA	Water	6020B	589627
680-224844-12	AF47628	Dissolved	Water	6020A	589629
680-224844-12	AF47628	Total/NA	Water	6020B	589627
680-224844-13	AF47629	Dissolved	Water	6020A	589629
680-224844-13	AF47629	Total/NA	Water	6020B	589627
680-224844-14	AF47627	Dissolved	Water	6020A	589629
680-224844-14	AF47627	Total/NA	Water	6020B	589627
680-224844-15	AF47626	Dissolved	Water	6020A	589629
680-224844-15	AF47626	Total/NA	Water	6020B	589627
680-224844-16	AF47625	Dissolved	Water	6020A	589629
680-224844-16	AF47625	Total/NA	Water	6020B	589627
680-224844-17	AF47624	Dissolved	Water	6020A	589630
680-224844-17	AF47624	Total/NA	Water	6020B	589627
680-224844-18	AF47623	Dissolved	Water	6020A	589630
680-224844-18	AF47623	Total/NA	Water	6020B	589627

Metals (Continued)

Analysis Batch: 590073 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-19	AF47622	Dissolved	Water	6020A	589630
680-224844-19	AF47622	Total/NA	Water	6020B	589627
680-224844-20	AF47659	Dissolved	Water	6020A	589630
680-224844-20	AF47659	Total/NA	Water	6020B	589627
680-224844-21	AF47660	Dissolved	Water	6020A	589630
680-224844-21	AF47660	Total/NA	Water	6020B	589628
680-224844-22	AF47661	Dissolved	Water	6020A	589630
680-224844-22	AF47661	Total/NA	Water	6020B	589628
680-224844-23	AF47634	Dissolved	Water	6020A	589630
680-224844-23	AF47634	Total/NA	Water	6020B	589628
680-224844-24	AF47635	Dissolved	Water	6020A	589630
680-224844-24	AF47635	Total/NA	Water	6020B	589628
680-224844-25	AF47636	Dissolved	Water	6020A	589630
680-224844-25	AF47636	Total/NA	Water	6020B	589628
680-224844-26	AF47637	Dissolved	Water	6020A	589630
680-224844-26	AF47637	Total/NA	Water	6020B	589628
680-224844-27	AF47638	Dissolved	Water	6020A	589630
680-224844-27	AF47638	Total/NA	Water	6020B	589628
680-224844-28	AF47643	Dissolved	Water	6020A	589630
680-224844-28	AF47643	Total/NA	Water	6020B	589628
680-224844-29	AF47644	Dissolved	Water	6020A	589630
680-224844-29	AF47644	Total/NA	Water	6020B	589628
680-224844-30	AF47631	Dissolved	Water	6020A	589630
680-224844-30	AF47631	Total/NA	Water	6020B	589628
680-224844-31	AF47655	Dissolved	Water	6020A	589630
680-224844-31	AF47655	Total/NA	Water	6020B	589628
680-224844-32	AF47662	Dissolved	Water	6020A	589630
680-224844-32	AF47662	Total/NA	Water	6020B	589628
680-224844-33	AF47663	Dissolved	Water	6020A	589630
680-224844-33	AF47663	Total/NA	Water	6020B	589628
680-224844-34	AF47658	Dissolved	Water	6020A	589630
680-224844-34	AF47658	Total/NA	Water	6020B	589628
680-224844-35	AF47639	Dissolved	Water	6020A	589630
680-224844-35	AF47639	Total/NA	Water	6020B	589628
680-224844-36	AF47645	Dissolved	Water	6020A	589630
680-224844-36	AF47645	Total/NA	Water	6020B	589628
680-224844-37	AF47641	Dissolved	Water	6020A	589631
680-224844-37	AF47641	Total/NA	Water	6020B	589628
680-224844-38	AF47642	Dissolved	Water	6020A	589631
680-224844-38	AF47642	Total/NA	Water	6020B	589628
680-224844-39	AF47640	Dissolved	Water	6020A	589631
680-224844-39	AF47640	Total/NA	Water	6020B	589628
680-224844-40	AF47653	Dissolved	Water	6020A	589631
680-224844-40	AF47653	Total/NA	Water	6020B	589628
680-224844-41	AF47654	Dissolved	Water	6020A	589631
680-224844-41	AF47654	Total/NA	Water	6020B	589629
680-224844-42	AF47657	Dissolved	Water	6020A	589631
680-224844-42	AF47657	Total/NA	Water	6020B	589629
680-224844-43	AF47664	Dissolved	Water	6020A	589631
680-224844-43	AF47664	Total/NA	Water	6020B	589629
680-224844-44	AF47656	Dissolved	Water	6020A	589631

Metals (Continued)

Analysis Batch: 590073 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-44	AF47656	Total/NA	Water	6020B	589629
MB 160-589627/1-A	Method Blank	Total/NA	Water	6020B	589627
MB 160-589628/1-A	Method Blank	Total/NA	Water	6020B	589628
MB 160-589629/1-A	Method Blank	Total/NA	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	Total/NA	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	Total/NA	Water	6020B	589628
680-224844-24 MSD	AF47635	Total/NA	Water	6020B	589628
680-224844-37 MS	AF47641	Dissolved	Water	6020A	589631
680-224844-37 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
680-224844-34	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	
680-224844-4	AF47650	Total Recoverable	Water	3005A	
680-224844-5	AF47649	Total Recoverable	Water	3005A	
680-224844-6	AF47647	Total Recoverable	Water	3005A	
680-224844-7	AF47648	Total Recoverable	Water	3005A	
680-224844-8	AF47652	Total Recoverable	Water	3005A	
680-224844-9	AF47646	Total Recoverable	Water	3005A	
680-224844-10	AF47621	Total Recoverable	Water	3005A	
680-224844-11	AF47630	Total Recoverable	Water	3005A	
680-224844-12	AF47628	Total Recoverable	Water	3005A	
680-224844-13	AF47629	Total Recoverable	Water	3005A	
680-224844-14	AF47627	Total Recoverable	Water	3005A	
680-224844-15	AF47626	Total Recoverable	Water	3005A	
680-224844-16	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	

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 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	
680-224844-4	AF47650	Total Recoverable	Water	3005A	
680-224844-5	AF47649	Total Recoverable	Water	3005A	
680-224844-6	AF47647	Total Recoverable	Water	3005A	
680-224844-7	AF47648	Total Recoverable	Water	3005A	
680-224844-8	AF47652	Total Recoverable	Water	3005A	
680-224844-9	AF47646	Total Recoverable	Water	3005A	
680-224844-10	AF47621	Total Recoverable	Water	3005A	
680-224844-11	AF47630	Total Recoverable	Water	3005A	
680-224844-12	AF47628	Total Recoverable	Water	3005A	
680-224844-13	AF47629	Total Recoverable	Water	3005A	
680-224844-14	AF47627	Total Recoverable	Water	3005A	
680-224844-15	AF47626	Total Recoverable	Water	3005A	
680-224844-16	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 680-749407/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 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

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	
680-224844-30	AF47631	Total Recoverable	Water	3005A	
680-224844-31	AF47655	Total Recoverable	Water	3005A	
680-224844-32	AF47662	Total Recoverable	Water	3005A	
680-224844-33	AF47663	Total Recoverable	Water	3005A	
680-224844-34	AF47658	Total Recoverable	Water	3005A	
680-224844-35	AF47639	Total Recoverable	Water	3005A	
680-224844-36	AF47645	Total Recoverable	Water	3005A	
680-224844-37	AF47641	Total Recoverable	Water	3005A	
680-224844-38	AF47642	Total Recoverable	Water	3005A	

Metals (Continued)

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	
680-224844-30	AF47631	Total Recoverable	Water	3005A	
680-224844-31	AF47655	Total Recoverable	Water	3005A	
680-224844-32	AF47662	Total Recoverable	Water	3005A	
680-224844-33	AF47663	Total Recoverable	Water	3005A	
680-224844-34	AF47658	Total Recoverable	Water	3005A	
680-224844-35	AF47639	Total Recoverable	Water	3005A	
680-224844-36	AF47645	Total Recoverable	Water	3005A	
680-224844-37	AF47641	Total Recoverable	Water	3005A	
680-224844-38	AF47642	Total Recoverable	Water	3005A	
680-224844-39	AF47640	Total Recoverable	Water	3005A	
680-224844-40	AF47653	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	AF47660	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	
680-224844-42	AF47657	Total Recoverable	Water	3005A	
680-224844-43	AF47664	Total Recoverable	Water	3005A	
680-224844-44	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	

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

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-1	AF47633	Total Recoverable	Water	6010D	749406
680-224844-2	AF47632	Total Recoverable	Water	6010D	749406
680-224844-3	AF47651	Total Recoverable	Water	6010D	749406
680-224844-4	AF47650	Total Recoverable	Water	6010D	749406
680-224844-5	AF47649	Total Recoverable	Water	6010D	749406
680-224844-6	AF47647	Total Recoverable	Water	6010D	749406
680-224844-7	AF47648	Total Recoverable	Water	6010D	749406
680-224844-8	AF47652	Total Recoverable	Water	6010D	749406
680-224844-9	AF47646	Total Recoverable	Water	6010D	749406
680-224844-10	AF47621	Total Recoverable	Water	6010D	749406
680-224844-11	AF47630	Total Recoverable	Water	6010D	749406
680-224844-12	AF47628	Total Recoverable	Water	6010D	749406
680-224844-13	AF47629	Total Recoverable	Water	6010D	749406
680-224844-14	AF47627	Total Recoverable	Water	6010D	749406
680-224844-15	AF47626	Total Recoverable	Water	6010D	749406
680-224844-16	AF47625	Total Recoverable	Water	6010D	749406
680-224844-17	AF47624	Total Recoverable	Water	6010D	749406
680-224844-18	AF47623	Total Recoverable	Water	6010D	749406
680-224844-19	AF47622	Total Recoverable	Water	6010D	749406
680-224844-20	AF47659	Total Recoverable	Water	6010D	749406
680-224844-21	AF47660	Total Recoverable	Water	6010D	749408
680-224844-22	AF47661	Total Recoverable	Water	6010D	749408
680-224844-23	AF47634	Total Recoverable	Water	6010D	749408
680-224844-24	AF47635	Total Recoverable	Water	6010D	749408
680-224844-25	AF47636	Total Recoverable	Water	6010D	749408
680-224844-26	AF47637	Total Recoverable	Water	6010D	749408
680-224844-27	AF47638	Total Recoverable	Water	6010D	749408
680-224844-28	AF47643	Total Recoverable	Water	6010D	749408
680-224844-29	AF47644	Total Recoverable	Water	6010D	749408
680-224844-30	AF47631	Total Recoverable	Water	6010D	749408
680-224844-31	AF47655	Total Recoverable	Water	6010D	749408
680-224844-32	AF47662	Total Recoverable	Water	6010D	749408
680-224844-33	AF47663	Total Recoverable	Water	6010D	749408

Metals (Continued)

Analysis Batch: 749694 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-34	AF47658	Total Recoverable	Water	6010D	749408
680-224844-35	AF47639	Total Recoverable	Water	6010D	749408
680-224844-36	AF47645	Total Recoverable	Water	6010D	749408
680-224844-37	AF47641	Total Recoverable	Water	6010D	749408
680-224844-38	AF47642	Total Recoverable	Water	6010D	749408
680-224844-39	AF47640	Total Recoverable	Water	6010D	749408
680-224844-40	AF47653	Total Recoverable	Water	6010D	749408
680-224844-41	AF47654	Total Recoverable	Water	6010D	749410
680-224844-42	AF47657	Total Recoverable	Water	6010D	749410
680-224844-43	AF47664	Total Recoverable	Water	6010D	749410
680-224844-44	AF47656	Total Recoverable	Water	6010D	749410
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 680-749410/1-A	Method Blank	Total Recoverable	Water	6010D	749410
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	749408
LCS 680-749410/2-A	Lab Control Sample	Total Recoverable	Water	6010D	749410
680-224844-1 MS	AF47633	Total Recoverable	Water	6010D	749406
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	749410
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	749406
680-224844-15	AF47626	Total Recoverable	Water	6010D	749406
680-224844-34	AF47658	Total Recoverable	Water	6010D	749408

Analysis Batch: 749990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-1	AF47633	Total Recoverable	Water	6020B	749407
680-224844-2	AF47632	Total Recoverable	Water	6020B	749407
680-224844-3	AF47651	Total Recoverable	Water	6020B	749407
680-224844-4	AF47650	Total Recoverable	Water	6020B	749407
680-224844-5	AF47649	Total Recoverable	Water	6020B	749407
680-224844-6	AF47647	Total Recoverable	Water	6020B	749407
680-224844-7	AF47648	Total Recoverable	Water	6020B	749407
680-224844-8	AF47652	Total Recoverable	Water	6020B	749407
680-224844-9	AF47646	Total Recoverable	Water	6020B	749407
680-224844-10	AF47621	Total Recoverable	Water	6020B	749407
680-224844-11	AF47630	Total Recoverable	Water	6020B	749407
680-224844-12	AF47628	Total Recoverable	Water	6020B	749407
680-224844-13	AF47629	Total Recoverable	Water	6020B	749407
680-224844-14	AF47627	Total Recoverable	Water	6020B	749407
680-224844-15	AF47626	Total Recoverable	Water	6020B	749407
680-224844-16	AF47625	Total Recoverable	Water	6020B	749407
680-224844-17	AF47624	Total Recoverable	Water	6020B	749407
680-224844-18	AF47623	Total Recoverable	Water	6020B	749407

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	AF47659	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	749409
680-224844-25	AF47636	Total Recoverable	Water	6020B	749409
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
680-224844-30	AF47631	Total Recoverable	Water	6020B	749409
680-224844-31	AF47655	Total Recoverable	Water	6020B	749409
680-224844-32	AF47662	Total Recoverable	Water	6020B	749409
680-224844-33	AF47663	Total Recoverable	Water	6020B	749409
680-224844-34	AF47658	Total Recoverable	Water	6020B	749409
680-224844-35	AF47639	Total Recoverable	Water	6020B	749409
680-224844-36	AF47645	Total Recoverable	Water	6020B	749409
680-224844-37	AF47641	Total Recoverable	Water	6020B	749409
680-224844-38	AF47642	Total Recoverable	Water	6020B	749409
680-224844-39	AF47640	Total Recoverable	Water	6020B	749409
680-224844-40	AF47653	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	749407
680-224844-1 MSD	AF47633	Total Recoverable	Water	6020B	749407
680-224844-21 MS	AF47660	Total Recoverable	Water	6020B	749409
680-224844-21 MSD	AF47660	Total Recoverable	Water	6020B	749409

Lab Chronicle

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47633

Lab Sample ID: 680-224844-1

Date Collected: 10/25/22 09:27
Date Received: 11/05/22 11:38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/08/22 23:10
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 15:45
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 17:00
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 20:20

Client Sample ID: AF47632

Lab Sample ID: 680-224844-2

Date Collected: 10/25/22 10:34
Date Received: 11/05/22 11:38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/08/22 23:19
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 15:59
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 17:08
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 20:23

Client Sample ID: AF47651

Lab Sample ID: 680-224844-3

Date Collected: 10/25/22 11:10
Date Received: 11/05/22 11:38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/08/22 23:22
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 16:13
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 17:11
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		1	590073	CGB	EET SL	11/14/22 20:50

Client Sample ID: AF47650

Lab Sample ID: 680-224844-4

Date Collected: 10/25/22 12:46
Date Received: 11/05/22 11:38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/08/22 23:25

Lab Chronicle

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47650

Lab Sample ID: 680-224844-4

Date Collected: 10/25/22 12:46
Matrix: Water
Date Received: 11/05/22 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 16:16
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 17:14
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/08/22 23:34
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 16:20
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 17:16
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/08/22 23:37
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 16:23
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 17:25
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/08/22 23:40
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 16:26

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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 17:27
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 21:04

Client Sample ID: AF47652

Lab Sample ID: 680-224844-8

Date Collected: 10/26/22 09:24

Matrix: Water

Date Received: 11/05/22 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/08/22 23:43
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		10	749946	BJB	EET SAV	11/09/22 15:44
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 16:30
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 17:30
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 21:08

Client Sample ID: AF47646

Lab Sample ID: 680-224844-9

Date Collected: 10/26/22 10:30

Matrix: Water

Date Received: 11/05/22 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/08/22 23:46
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 16:33
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 17:33
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 21:11

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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/08/22 23:49
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 16:37

Lab Chronicle

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
Date Received: 11/05/22 11:38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 17:35
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 21:25

Client Sample ID: AF47630

Lab Sample ID: 680-224844-11

Date Collected: 10/26/22 12:58
Date Received: 11/05/22 11:38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/08/22 23:52
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 16:40
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 17:38
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 21:28

Client Sample ID: AF47628

Lab Sample ID: 680-224844-12

Date Collected: 10/26/22 14:05
Date Received: 11/05/22 11:38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/08/22 23:55
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 16:44
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 17:41
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 21:32

Client Sample ID: AF47629

Lab Sample ID: 680-224844-13

Date Collected: 10/26/22 14:10
Date Received: 11/05/22 11:38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/08/22 23:58
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 16:57
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 17:44

Lab Chronicle

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

Date Collected: 10/26/22 14:10
Matrix: Water
Date Received: 11/05/22 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 21:35

Client Sample ID: AF47627

Lab Sample ID: 680-224844-14

Date Collected: 10/26/22 15:32
Matrix: Water
Date Received: 11/05/22 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 00:01
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		10	749946	BJB	EET SAV	11/09/22 15:47
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 17:01
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		5	590226	CGB	EET SL	11/15/22 15:58
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 17:52
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 21:38

Client Sample ID: AF47626

Lab Sample ID: 680-224844-15

Date Collected: 10/27/22 09:41
Matrix: Water
Date Received: 11/05/22 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 00:10
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		10	749946	BJB	EET SAV	11/09/22 15:50
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 17:04
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		10	590226	CGB	EET SL	11/15/22 16:02
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 17:54
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 21:42

Lab Chronicle

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47625

Lab Sample ID: 680-224844-16

Date Collected: 10/27/22 11:01
Date Received: 11/05/22 11:38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 00:13
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 17:08
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 17:57
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 21:45

Client Sample ID: AF47624

Lab Sample ID: 680-224844-17

Date Collected: 10/27/22 12:15
Date Received: 11/05/22 11:38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 00:16
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 17:18
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 18:00
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 21:49

Client Sample ID: AF47623

Lab Sample ID: 680-224844-18

Date Collected: 10/27/22 13:24
Date Received: 11/05/22 11:38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 00:19
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 17:42
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 18:03
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 21:52

Client Sample ID: AF47622

Lab Sample ID: 680-224844-19

Date Collected: 10/27/22 14:46
Date Received: 11/05/22 11:38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 00:22

Client Sample ID: AF47622

Lab Sample ID: 680-224844-19

Date Collected: 10/27/22 14:46

Matrix: Water

Date Received: 11/05/22 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 17:45
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 18:05
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 21:56

Client Sample ID: AF47659

Lab Sample ID: 680-224844-20

Date Collected: 10/27/22 15:56

Matrix: Water

Date Received: 11/05/22 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 00:25
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 17:49
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 18:08
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 22:09

Client Sample ID: AF47660

Lab Sample ID: 680-224844-21

Date Collected: 10/27/22 16:01

Matrix: Water

Date Received: 11/05/22 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 00:34
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 17:52
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 18:27
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 22:20

Client Sample ID: AF47661

Lab Sample ID: 680-224844-22

Date Collected: 10/31/22 10:13

Matrix: Water

Date Received: 11/05/22 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 00:49
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 17:56

Lab Chronicle

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47661

Lab Sample ID: 680-224844-22

Date Collected: 10/31/22 10:13
Date Received: 11/05/22 11:38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 18:35
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 22:23

Client Sample ID: AF47634

Lab Sample ID: 680-224844-23

Date Collected: 10/31/22 11:27
Date Received: 11/05/22 11:38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 00:52
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 17:59
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 18:38
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 22:27

Client Sample ID: AF47635

Lab Sample ID: 680-224844-24

Date Collected: 10/31/22 11:32
Date Received: 11/05/22 11:38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 00:55
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 18:02
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 18:41
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 22:30

Client Sample ID: AF47636

Lab Sample ID: 680-224844-25

Date Collected: 10/31/22 12:40
Date Received: 11/05/22 11:38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 00:58
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 18:06
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 18:43

Lab Chronicle

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 22:57

Client Sample ID: AF47637

Lab Sample ID: 680-224844-26

Date Collected: 10/31/22 13:42
Matrix: Water
Date Received: 11/05/22 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 01:01
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 18:09
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 18:52
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 23:01

Client Sample ID: AF47638

Lab Sample ID: 680-224844-27

Date Collected: 10/31/22 14:32
Matrix: Water
Date Received: 11/05/22 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 01:04
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 18:13
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 18:54
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 23:04

Client Sample ID: AF47643

Lab Sample ID: 680-224844-28

Date Collected: 11/02/22 09:42
Matrix: Water
Date Received: 11/05/22 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 01:07
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 18:26
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 18:57
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 23:08

Lab Chronicle

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

Date Collected: 11/02/22 09:47
Date Received: 11/05/22 11:38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 01:10
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 18:30
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 19:00
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 23:11

Client Sample ID: AF47631

Lab Sample ID: 680-224844-30

Date Collected: 11/02/22 11:02
Date Received: 11/05/22 11:38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 01:13
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 18:33
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 19:02
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 23:15

Client Sample ID: AF47655

Lab Sample ID: 680-224844-31

Date Collected: 11/02/22 12:32
Date Received: 11/05/22 11:38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 01:23
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 18:37
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 19:05
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	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

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 01:26

Client Sample ID: AF47662

Lab Sample ID: 680-224844-32

Date Collected: 11/02/22 13:51

Matrix: Water

Date Received: 11/05/22 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 18:40
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 19:08
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 23:22

Client Sample ID: AF47663

Lab Sample ID: 680-224844-33

Date Collected: 11/02/22 14:52

Matrix: Water

Date Received: 11/05/22 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 01:29
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 18:43
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 19:16
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 23:25

Client Sample ID: AF47658

Lab Sample ID: 680-224844-34

Date Collected: 11/02/22 16:00

Matrix: Water

Date Received: 11/05/22 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 01:32
Total Recoverable	Prep	3005A			749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		10	749946	BJB	EET SAV	11/09/22 15:41
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 18:47
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		5	590226	CGB	EET SL	11/15/22 16:05
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 19:19
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 23:39

Client Sample ID: AF47639

Lab Sample ID: 680-224844-35

Date Collected: 11/01/22 10:13

Matrix: Water

Date Received: 11/05/22 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 01:35
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 18:50
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 19:21
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 23:42

Client Sample ID: AF47645

Lab Sample ID: 680-224844-36

Date Collected: 11/01/22 11:29

Matrix: Water

Date Received: 11/05/22 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 01:38
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 18:54
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 19:24
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 23:46

Client Sample ID: AF47641

Lab Sample ID: 680-224844-37

Date Collected: 11/01/22 12:28

Matrix: Water

Date Received: 11/05/22 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 01:41
Dissolved	Prep	3005A			589631	LKP	EET SL	11/10/22 14:16
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 19:14
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 19:27
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 23:49

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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 01:44

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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			589631	LKP	EET SL	11/10/22 14:16
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 19:28
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 19:30
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 23:52

Client Sample ID: AF47640

Lab Sample ID: 680-224844-39

Date Collected: 11/01/22 15:15

Matrix: Water

Date Received: 11/05/22 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 01:47
Dissolved	Prep	3005A			589631	LKP	EET SL	11/10/22 14:16
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 19:31
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 19:32
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 23:56

Client Sample ID: AF47653

Lab Sample ID: 680-224844-40

Date Collected: 11/03/22 10:03

Matrix: Water

Date Received: 11/05/22 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 01:50
Dissolved	Prep	3005A			589631	LKP	EET SL	11/10/22 14:16
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 19:35
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 19:35
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 23:59

Client Sample ID: AF47654

Lab Sample ID: 680-224844-41

Date Collected: 11/03/22 11:04

Matrix: Water

Date Received: 11/05/22 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749410	RR	EET SAV	11/08/22 05:57
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/08/22 18:06
Dissolved	Prep	3005A			589631	LKP	EET SL	11/10/22 14:16
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 19:38

Lab Chronicle

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Client Sample ID: AF47654

Lab Sample ID: 680-224844-41

Date Collected: 11/03/22 11:04
Matrix: Water
Date Received: 11/05/22 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749411	RR	EET SAV	11/08/22 05:57
Total Recoverable	Analysis	6020B		1	749688	BWR	EET SAV	11/08/22 21:12
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 15:28

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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749410	RR	EET SAV	11/08/22 05:57
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/08/22 18:21
Dissolved	Prep	3005A			589631	LKP	EET SL	11/10/22 14:16
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 19:42
Total Recoverable	Prep	3005A			749411	RR	EET SAV	11/08/22 05:57
Total Recoverable	Analysis	6020B		1	749688	BWR	EET SAV	11/08/22 21:20
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 15:35

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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749410	RR	EET SAV	11/08/22 05:57
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/08/22 18:24
Dissolved	Prep	3005A			589631	LKP	EET SL	11/10/22 14:16
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 19:55
Total Recoverable	Prep	3005A			749411	RR	EET SAV	11/08/22 05:57
Total Recoverable	Analysis	6020B		1	749688	BWR	EET SAV	11/08/22 21:23
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 15:39

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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			749410	RR	EET SAV	11/08/22 05:57
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/08/22 18:27
Dissolved	Prep	3005A			589631	LKP	EET SL	11/10/22 14:16
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 19:59
Total Recoverable	Prep	3005A			749411	RR	EET SAV	11/08/22 05:57
Total Recoverable	Analysis	6020B		1	749688	BWR	EET SAV	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

Client Sample ID: AF47656

Date Collected: 11/03/22 14:49
Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-44

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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

Contract Lab Info. TA-SAV Contract Lab Due Date (Lab Only). 11 / 18 / 22 Send report to lcwillia@santeecooper.com & sjbrown@santeecooper.com

Chain of Custody

santee cooper
Santee Cooper
One Riverwood Drive
Moncks Corner SC 29461
Phone (843)761-8000 Ext. 5148
Fax. (843)761-4175

Customer Email/Report Recipient: LCWILLIA @santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / JM02.09 601.1 / 36500

Rerun request for any flagged QC: Yes (No)

Analysis 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)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	TOTAL METALS -SEE BELOW	DISSOLVED Be, Co, Li, Fe, Mn		
AF47633	PM-1	10/25/22	0927	WJK ML	2	P	G	GW	2	PLEASE SEE SHEET	X	X		
32	CBW-1		1034							FOR RLS.				
51	CGYP-6		1110							6010 Ca / 6020 As Cr Tl				
50	CGYP-4		1246							Fe K / Ba Be Mn Pb				
49	CGYP-3		1411							Mg Na / Cd Co Sb Se				
47	CGYP-2		1516											
48	CGYP-2 DUP		1521							DISSOLVED: Be Co Li Fe Mn				

680-224844 Chain of Custody

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
[signature]	35594	11/4/22	1500	[signature]		11/5/22	1138
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)
TEMP (°C):_____ Initial:_____
Correct pH: Yes No
Preservative Lot#: 20.6 / 20.6
Date/Time/Init for preservative:

☐ METALS (all)

☐ Ag	☐ Cu	☑ Sb
☐ Al	☑ Fe	☑ Se
☑ As	☑ K	☐ Sn
☐ B	☐ Li	☐ Sr
☑ Ba	☑ Mg	☐ Ti
☑ Be	☑ Mn	☑ Tl
☑ Ca	☐ Mo	☐ V
☑ Cd	☑ Na	☐ Zn
☑ Co	☐ Ni	☑ Hg
☑ Cr	☑ Pb	☐ CrVI

Nutrients
☐ TOC
☐ DOC
☐ TP/TPO4
☐ NH3-N
☐ F
☐ Cl
☐ NO2
☐ Br
☐ NO3
☐ SO4

MISC.
☐ BTEX
☐ Napthalene
☐ THM/HAA
☐ VOC
☐ Oil & Grease
☐ E. Coli
☐ Total Coliform
☐ pH
☐ Dissolved As
☐ Dissolved Fe
☐ Rad 226
☐ Rad 228
☐ PCB

Gypsum
☐ Wallboard Gypsum(*all below*)
☐ AIM
☐ TOC
☐ Total metals
☐ Soluble Metals
☐ Purity (CaSO4)
☐ % Moisture
☐ Sulfites
☐ pH
☐ Chlorides
☐ Particle Size
☐ Sulfur

Coal
☐ Ultimate
☐ % Moisture
☐ Ash
☐ Sulfur
☐ BTUs
☐ Volatile Matter
☐ CHN
Other Tests:
☐ XRF Scan
☐ HGI
☐ Fineness
☐ Particulate Matter

Flyash
☐ Ammonia
☐ LOI
☐ % Carbon
☐ Mineral Analysis
☐ Sieve
☐ % Moisture

NPDES
☐ Oil & Grease
☐ As
☐ TSS

Oil
☐ Trans. Oil Qual.
☐ %Moisture
☐ Color
☐ Acidity
☐ Dielectric Strength
☐ IFT
☐ Dissolved Gases
☐ Used Oil
☐ Flashpoint
☐ Metals in oil (As,Cd,Cr,Ni,Pb Hg)
☐ TX
☐ GOFER

Matrix codes. GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler 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=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

Contract Lab Info. TA - SAV Contract Lab Due Date (Lab Only). 11 / 18 / 22 Send report to lcwillia@santeecooper.com & sjbrown@santeecooper.com

Chain of Custody

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

Customer Email/Report Recipient: LCWILLIA @santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / JM02.09.G01.1 / 36500

Rerun request for any flagged QC Yes (No)

Analysis 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)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	TOTAL METALS - SEE BELOW	DISSOLVED Be, Co, Fe, Li, Mn		
AF47652	CGYP-7	10/26/22	0924	WJK ML	2	P	G	GW	2	SEE SHEET FOR RLS	X	X		
46	CGYP-1		1030							WHERE APPLICABLE.				
21	CAP-1		1147							6010 Ca; 6020 As Cr Tl				
30	CAP-10		1258							Fe K; Ba Be Mn Pb				
28	CAP-9		1405							Mg Na; Cd Co Sb Se				
29	CAP-9 DUP		1410											
27	CAP-8	—	1532	—	—	—	—	—	—	DISSOLVED: Be Co Li Fe Mn	—	—		

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
BJBrown	35594	11/4/22	1500				
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)
TEMP (°C):_____ Initial:_____
Correct pH: Yes No
Preservative Lot#:
Date/Time/Init for preservative:

☐ METALS (all)

☐ Ag	☐ Cu	☒ Sb
☐ Al	☒ Fe	☒ Se
☒ As	☐ K	☐ Sn
☐ B	☐ Li	☐ Sr
☒ Ba	☒ Mg	☐ Ti
☒ Be	☒ Mn	☒ Tl
☒ Ca	☐ Mo	☐ V
☒ Cd	☒ Na	☐ Zn
☒ Co	☐ Ni	☒ Hg
☒ Cr	☒ Pb	☐ CrVI

Nutrients
☐ TOC
☐ DOC
☐ TP/TPO4
☐ NH3-N
☐ F
☐ Cl
☐ NO2
☐ Br
☐ NO3
☐ SO4

MISC.
☐ BTEX
☐ Napthalene
☐ THM/HAA
☐ VOC
☐ Oil & Grease
☐ E. Coli
☐ Total Coliform
☐ pH
☐ Dissolved As
☐ Dissolved Fe
☐ Rad 226
☐ Rad 228
☐ PCB

Gypsum
☐ Wallboard Gypsum(*all below*)
☐ AIM
☐ TOC
☐ Total metals
☐ Soluble Metals
☐ Purity (CaSO4)
☐ % Moisture
☐ Sulfites
☐ pH
☐ Chlorides
☐ Particle Size
☐ Sulfur

Coal
☐ Ultimate
☐ % Moisture
☐ Ash
☐ Sulfur
☐ BTUs
☐ Volatile Matter
☐ CHN
Other Tests:
☐ XRF Scan
☐ HGI
☐ Fineness
☐ Particulate Matter

Flyash
☐ Ammonia
☐ LOI
☐ % Carbon
☐ Mineral Analysis
☐ Sieve
☐ % Moisture

NPDES
☐ Oil & Grease
☐ As
☐ TSS

Oil
☐ Trans. Oil Qual.
☐ %Moisture
☐ Color
☐ Acidity
☐ Dielectric Strength
☐ IFT
☐ Dissolved Gases
☐ **Used Oil**
☐ Flashpoint
☐ Metals in oil (As,Cd,Cr,Ni,Pb Hg)
☐ TX
☐ GOFER

Matrix codes GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler 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=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

Contract Lab Info. TA - SAV Contract Lab Due Date (Lab Only). 11 / 18 / 22 Send report to lcwillia@santeecooper.com & sjbrown@santeecooper.com

Chain of Custody

santee cooper
Santee Cooper
One Riverwood Drive
Moncks Corner SC 29461
Phone (843)761-8000 Ext. 5148
Fax. (843)761-4175

Customer Email/Report Recipient: LCWILLIA @santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / JM02.09.G01.1 / 36500

Rerun request for any flagged QC Yes (No)

Analysis 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)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	TOTAL METALS - SEE BELOW	DISSOLVED Be, Co, Fe, Li, Mn		
AF47626	CAP-7	10/27/22	0941	WJK ML	2	P	G	GW	2	SEE SHEET FOR RLS	X	X		
25	CAP-6		1101							WHERE APPLICABLE.				
24	CAP-5		1215											
23	CAP-4		1324											
22	CAP-3		1446											
59	CCMAP-4		1556											
60	CCMAP-4 DUP	—	1601	—	—	—	—	—	—	DISSOLVED: Be Co Li Fe Mn	—	—		

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
SJBrown	35594	11/4/22	1500				
Relinquished by:	**Employee#**	**Date**	**Time**	**Received by:**	**Employee #**	**Date**	**Time**
Relinquished by:	**Employee#**	**Date**	**Time**	**Received by:**	**Employee #**	**Date**	**Time**

Sample Receiving (Internal Use Only)
TEMP (°C):_____ Initial:_____
Correct pH: Yes No
Preservative Lot#:
Date/Time/Init for preservative:

☐ **METALS (all)**

☐ Ag	☐ Cu	☒ Sb
☐ Al	☒ Fe	☒ Se
☒ As	☒ K	☐ Sn
☐ B	☐ Li	☐ Sr
☒ Ba	☒ Mg	☐ Ti
☒ Be	☒ Mn	☒ Tl
☒ Ca	☐ Mo	☐ V
☒ Cd	☒ Na	☐ Zn
☒ Co	☐ Ni	☒ Hg
☒ Cr	☒ Pb	☐ CrVI

Nutrients
☐ TOC
☐ DOC
☐ TP/TPO4
☐ NH3-N
☐ F
☐ Cl
☐ NO2
☐ Br
☐ NO3
☐ SO4

MISC.
☐ BTEX
☐ Napthalene
☐ THM/HAA
☐ VOC
☐ Oil & Grease
☐ E. Coli
☐ Total Coliform
☐ pH
☐ Dissolved As
☐ Dissolved Fe
☐ Rad 226
☐ Rad 228
☐ PCB

Gypsum
☐ Wallboard Gypsum(*all below*)
☐ AIM
☐ TOC
☐ Total metals
☐ Soluble Metals
☐ Purity (CaSO4)
☐ % Moisture
☐ Sulfites
☐ pH
☐ Chlorides
☐ Particle Size
☐ Sulfur

Coal
☐ Ultimate
☐ % Moisture
☐ Ash
☐ Sulfur
☐ BTUs
☐ Volatile Matter
☐ CHN
Other Tests:
☐ XRF Scan
☐ HGI
☐ Fineness
☐ Particulate Matter

Flyash
☐ Ammonia
☐ LOI
☐ % Carbon
☐ Mineral Analysis
☐ Sieve
☐ % Moisture

NPDES
☐ Oil & Grease
☐ As
☐ TSS

Oil
☐ Trans. Oil Qual.
☐ %Moisture
☐ Color
☐ Acidity
☐ Dielectric Strength
☐ IFT
☐ Dissolved Gases
☐ Used Oil
☐ Flashpoint
☐ Metals in oil (As,Cd,Cr,Ni,Pb Hg)
☐ TX
☐ GOFER

Matrix codes GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler 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=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

Contract Lab Info. TA SAV Contract Lab Due Date (Lab Only). 11 / 18 / 22 Send report to lcwillia@santeecooper.com & sjbrown@santeecooper.com

Chain of Custody

santee cooper
Santee Cooper
One Riverwood Drive
Moncks Corner SC 29461
Phone (843)761-8000 Ext. 5148
Fax. (843)761-4175

Customer Email/Report Recipient: LCWILLIA @santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / JM02.09.G01.1 / 36500

Rerun request for any flagged QC Yes (No)

Analysis 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)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	TOTAL METALS SEE BELOW	DISSOLVED Be, Co, Fe, Li, Mn		
AF47661	CCMAP-5	10/31/22	1013	MJTK DJ	2	P	G	GW	2	SEE SHEET FOR RLs.	X	X		
34	CLFIB-1		1127											
35	CLFIB-1 DUP		1132											
36	CLFIB-2		1240											
37	CLFIB-3		1342											
38	CLFIB-4		1432											
										DISSOLVED: Be				
										Co Li				
										Fe Mn				

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
SJBrown	35594	11/4/22	1500				
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)
TEMP (°C):_____ Initial:_____
Correct pH: Yes No
Preservative Lot#:
Date/Time/Init for preservative:

☐ **METALS (all)**

☐ Ag	☐ Cu	☒ Sb
☐ Al	☒ Fe	☒ Se
☒ As	☒ K	☐ Sn
☐ B	☐ Li	☐ Sr
☒ Ba	☒ Mg	☐ Ti
☒ Be	☒ Mn	☒ Tl
☒ Ca	☐ Mo	☐ V
☒ Cd	☒ Na	☐ Zn
☒ Co	☐ Ni	☒ Hg
☒ Cr	☒ Pb	☐ CrVI

Nutrients
☐ TOC
☐ DOC
☐ TP/TPO4
☐ NH3-N
☐ F
☐ Cl
☐ NO2
☐ Br
☐ NO3
☐ SO4

MISC.
☐ BTEX
☐ Napthalene
☐ THM/HAA
☐ VOC
☐ Oil & Grease
☐ E. Coli
☐ Total Coliform
☐ pH
☐ Dissolved As
☐ Dissolved Fe
☐ Rad 226
☐ Rad 228
☐ PCB

Gypsum
☐ Wallboard Gypsum(*all below*)
☐ AIM
☐ TOC
☐ Total metals
☐ Soluble Metals
☐ Purity (CaSO4)
☐ % Moisture
☐ Sulfites
☐ pH
☐ Chlorides
☐ Particle Size
☐ Sulfur

Coal
☐ Ultimate
☐ % Moisture
☐ Ash
☐ Sulfur
☐ BTUs
☐ Volatile Matter
☐ CHN
Other Tests:
☐ XRF Scan
☐ HGI
☐ Fineness
☐ Particulate Matter

Flyash
☐ Ammonia
☐ LOI
☐ % Carbon
☐ Mineral Analysis
☐ Sieve
☐ % Moisture

NPDES
☐ Oil & Grease
☐ As
☐ TSS

Oil
Trans. Oil Qual.
☐ %Moisture
☐ Color
☐ Acidity
☐ Dielectric Strength
☐ IFT
☐ Dissolved Gases
Used Oil
☐ Flashpoint
☐ Metals in oil (As,Cd,Cr,Ni,Pb Hg)
☐ TX
☐ GOFER

Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler 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=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

Contract Lab Info TA SAV Contract Lab Due Date (Lab Only). 11 / 18 / 22 Send report to lcwillia@santeecooper.com & sjbrown@santeecooper.com

Chain of Custody

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

Customer Email/Report Recipient: LCWILLIA @santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / JM02 09. G01. 1 / 36500

Rerun request for any flagged QC Yes (No)

Analysis 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)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	TOTAL METALS -SEE BELOW	DISSOLVED Be, Co, Li, Fe, Mn		
AF47643	POZ 7	11/2/22	0942	WJK ML	2	P	G	GW	2	SEE SHEET FOR RLS.	X	X		
44	POZ-7 DUP		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 Mn				

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
SJBrown	35594	11/4/22	1500				
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)
TEMP (°C):_____ Initial:_____
Correct pH: Yes No
Preservative Lot#:
Date/Time/Init for preservative:

☐ METALS (all)

☐ Ag	☐ Cu	☑ Sb
☐ Al	☑ Fe	☑ Se
☑ As	☑ K	☐ Sn
☐ B	☐ Li	☐ Sr
☑ Ba	☑ Mg	☐ Ti
☑ Be	☑ Mn	☑ Tl
☑ Ca	☐ Mo	☐ V
☑ Cd	☑ Na	☐ Zn
☑ Co	☐ Ni	☑ Hg
☑ Cr	☑ Pb	☐ CrVI

Nutrients
☐ TOC
☐ DOC
☐ TP/TPO4
☐ NH3-N
☐ F
☐ Cl
☐ NO2
☐ Br
☐ NO3
☐ SO4

MISC.
☐ BTEX
☐ Napthalene
☐ THM/HAA
☐ VOC
☐ Oil & Grease
☐ E. Coli
☐ Total Coliform
☐ pH
☐ Dissolved As
☐ Dissolved Fe
☐ Rad 226
☐ Rad 228
☐ PCB

Gypsum
☐ Wallboard Gypsum(*all below*)
☐ AIM
☐ TOC
☐ Total metals
☐ Soluble Metals
☐ Purity (CaSO4)
☐ % Moisture
☐ Sulfites
☐ pH
☐ Chlorides
☐ Particle Size
☐ Sulfur

Coal
☐ Ultimate
☐ % Moisture
☐ Ash
☐ Sulfur
☐ BTUs
☐ Volatile Matter
☐ CHN
Other Tests:
☐ XRF Scan
☐ HGI
☐ Fineness
☐ Particulate Matter

Flyash
☐ Ammonia
☐ LOI
☐ % Carbon
☐ Mineral Analysis
☐ Sieve
☐ % Moisture

NPDES
☐ Oil & Grease
☐ As
☐ TSS

Oil
☐ Trans. Oil Qual.
☐ %Moisture
☐ Color
☐ Acidity
☐ Dielectric Strength
☐ IFT
☐ Dissolved Gases
Used Oil
☐ Flashpoint
☐ Metals in oil (As,Cd,Cr,Ni,Pb Hg)
☐ TX
☐ GOFER

Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler water, L-limestone, Oil-oil, S-Soil, SL-solid, C-coal, G-gypsum, FA-flyash, BA-bottom ash, M-misc (describe in comment section)
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Contract Lab Info. TA-SAV Contract Lab Due Date (Lab Only). 11 / 18 / 22 Send report to lcwillia@santeecooper.com & sjbrown@santeecooper.com

Chain of Custody

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Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / JM02.09 GØ1.1 / 36500

Rerun request for any flagged QC Yes / No

Analysis 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)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	TOTAL METALS - SEE BELOW	DISSOLVED Be, Co, Li, Fe, Mn		
AF47639	CLFIB-5	11/1/22	1013	WTK TC	2	P	G	GW	2	SEE SHEET FOR RLS	X	X		
45	POZ 8		1129											
41	POZ-4		1228											
42	POZ-6		1406											
40	POZ-3		1515											
										DISSOLVED: Be				
										Co				
										Li				
										Fe				
										Mn				

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
SJBrown	35594	11/4/22	1500				
Relinquished by:	**Employee#**	**Date**	**Time**	**Received by:**	**Employee #**	**Date**	**Time**
Relinquished by:	**Employee#**	**Date**	**Time**	**Received by:**	**Employee #**	**Date**	**Time**

Sample Receiving (Internal Use Only)
TEMP (°C):_____ Initial:_____
Correct pH: Yes No
Preservative Lot#:
Date/Time/Init for preservative:

☐ METALS (all)

☐ Ag	☐ Cu	☑ Sb
☐ Al	☑ Fe	☑ Se
☑ As	☐ K	☐ Sn
☐ B	☐ Li	☐ Sr
☑ Ba	☑ Mg	☐ Ti
☑ Be	☑ Mn	☑ Tl
☑ Ca	☐ Mo	☐ V
☑ Cd	☑ Na	☐ Zn
☑ Co	☐ Ni	☑ Hg
☑ Cr	☑ Pb	☐ CrVI

Nutrients
☐ TOC
☐ DOC
☐ TP/TPO4
☐ NH3-N
☐ F
☐ Cl
☐ NO2
☐ Br
☐ NO3
☐ SO4

MISC.
☐ BTEX
☐ Napthalene
☐ THM/HAA
☐ VOC
☐ Oil & Grease
☐ E. Coli
☐ Total Coliform
☐ pH
☐ Dissolved As
☐ Dissolved Fe
☐ Rad 226
☐ Rad 228
☐ PCB

Gypsum
☐ Wallboard Gypsum(*all below*)
☐ AIM
☐ TOC
☐ Total metals
☐ Soluble Metals
☐ Purity (CaSO4)
☐ % Moisture
☐ Sulfites
☐ pH
☐ Chlorides
☐ Particle Size
☐ Sulfur

Coal
☐ Ultimate
☐ % Moisture
☐ Ash
☐ Sulfur
☐ BTUs
☐ Volatile Matter
☐ CHN
Other Tests:
☐ XRF Scan
☐ HGI
☐ Fineness
☐ Particulate Matter

Flyash
☐ Ammonia
☐ LOI
☐ % Carbon
☐ Mineral Analysis
☐ Sieve
☐ % Moisture

NPDES
☐ Oil & Grease
☐ As
☐ TSS

Oil
☐ Trans. Oil Qual.
☐ %Moisture
☐ Color
☐ Acidity
☐ Dielectric Strength
☐ IFT
☐ Dissolved Gases
☐ **Used Oil**
☐ Flashpoint
☐ Metals in oil (As,Cd,Cr,Ni,Pb Hg)
☐ TX
☐ GOFER

Matrix codes GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler water, L-limestone, Oil-oil, S-Soil, SL-solid, C-coal, G-gypsum, FA-flyash, BA-bottom ash, M-misc (describe in comment section)
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Contract Lab Info. TA-SAV Contract Lab Due Date (Lab Only). 11 / 18 / 22 Send report to lcwillia@santeecooper.com & sjbrown@santeecooper.com

Chain of Custody

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Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / JM02.09 G01 1 / 36500

Rerun request for any flagged QC Yes (No)

Analysis 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)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	TOTAL METALS -SEE BELOW	DISSOLVED Be, Co, Li, Fe, Mn		
AF47653	CCMLF-1	11/3/22	1003	WJK ML	2	P	G	GW	2	SEE SHEET FOR RLS.	X	X		
54	CCMLF-1D		1104											
57	CCMAP 2		1220											
64	CCMAP-8		1314											
56	CCMAP-1		1447											
										DISSOLVED Be				
										Co				
										Li				
										Fe				
										Mn				

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
SJBrown	35594	11/4/22	1500				
Relinquished by:	**Employee#**	**Date**	**Time**	**Received by:**	**Employee #**	**Date**	**Time**
Relinquished by:	**Employee#**	**Date**	**Time**	**Received by:**	**Employee #**	**Date**	**Time**

Sample Receiving (Internal Use Only)
TEMP (°C):_____ Initial:_____
Correct pH: Yes No
Preservative Lot#:
Date/Time/Init for preservative:

☐ METALS (all)

☐ Ag	☐ Cu	☑ Sb
☐ Al	☑ Fe	☑ Se
☑ As	☑ K	☐ Sn
☐ B	☐ Li	☐ Sr
☑ Ba	☑ Mg	☐ Ti
☑ Be	☑ Mn	☑ Tl
☑ Ca	☐ Mo	☐ V
☑ Cd	☑ Na	☐ Zn
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Nutrients
☐ TOC
☐ DOC
☐ TP/TPO4
☐ NH3-N
☐ F
☐ Cl
☐ NO2
☐ Br
☐ NO3
☐ SO4

MISC.
☐ BTEX
☐ Napthalene
☐ THM/HAA
☐ VOC
☐ Oil & Grease
☐ E. Coli
☐ Total Coliform
☐ pH
☐ Dissolved As
☐ Dissolved Fe
☐ Rad 226
☐ Rad 228
☐ PCB

Gypsum
☐ Wallboard Gypsum(*all below*)
☐ AIM
☐ TOC
☐ Total metals
☐ Soluble Metals
☐ Purity (CaSO4)
☐ % Moisture
☐ Sulfites
☐ pH
☐ Chlorides
☐ Particle Size
☐ Sulfur

Coal
☐ Ultimate
☐ % Moisture
☐ Ash
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Other Tests:
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Flyash
☐ Ammonia
☐ LOI
☐ % Carbon
☐ Mineral Analysis
☐ Sieve
☐ % Moisture

NPDES
☐ Oil & Grease
☐ As
☐ TSS

Oil
☐ Trans. Oil Qual.
☐ %Moisture
☐ Color
☐ Acidity
☐ Dielectric Strength
☐ IFT
☐ Dissolved Gases
☐ Used Oil
☐ Flashpoint
☐ Metals in oil (As,Cd,Cr,Ni,Pb Hg)
☐ TX
☐ GOFER

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Preservative code- 1=<4°C 2=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

Table of Reporting Limits for Groundwater Samples-- Metals 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	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	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	---	---
Thallium	ug/L	2	1
Zinc	ug/L	5000	---

Eurofins Savannah
5102 LaRoche Avenue
Savannah GA 31404
Phone: 912-354 7858 Fax: 912-352-0165

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lanier, Jerry A	Carrier Tracking No(s):	COC No: 680-715911.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jerry.Lanier@et.eurofinsus.com	State of Origin: South Carolina	Page: Page 1 of 5
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note): NELAP - Florida, State - South Carolina, State Program		Job #: 680-224844-1
Address: 13715 Rider Trail North,	Due Date Requested: 11/15/2022	**Analysis Requested**		Preservation Codes: A - HCl; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Y - Trizma; Z - other (specify); Other:
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314 298 8757(Fax)	PO #:			
Email:	WO #:			
Project Name: 125915/JM02.09 G01.1/36500	Project #: 68006190			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (w=water, s=solid, o=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020A/FIELD_FLTRD (MOD) Standard List	6020B/10A_2% (MOD) Simple Standard Elements	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
AF47633 (680-224844-1)	10/25/22	09:27 Eastern		Water			X	X	2	
AF47632 (680-224844-2)	10/25/22	10:34 Eastern		Water			X	X	2	
AF47631 (680-224844-3)	10/25/22	11:10 Eastern		Water			X	X	2	
AF47630 (680-224844-4)	10/25/22	12:45 Eastern		Water			X	X	2	
AF47629 (680-224844-5)	10/25/22	14:11 Eastern		Water			X	X	2	
AF47627 (680-224844-6)	10/25/22	15:16 Eastern		Water			X	X	2	
AF47628 (680-224844-7)	10/25/22	15:21 Eastern		Water			X	X	2	
AF47632 (680-224844-8)	10/26/22	09:24 Eastern		Water			X	X	2	
AF47645 (680-224844-9)	10/26/22	10:30 Eastern		Water			X	X	2	

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

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

Relinquished by:	Date/Time:	Company:	Received by: FED EX	Date/Time:	Company:
Relinquished by: FED EX	Date/Time:	Company:	Received by:	Date/Time: NOV 8 2022 0900	Company: EHST
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time: NOV 09 2022	Company:

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

Eurofins Savannah

5102 LaRoche Avenue
Savannah, GA 31404
Phone 912-354-7858 Fax: 912-352-0165

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lanier, Jerry A	Carrier Tracking No(s):	COC No: 680-715911.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jerry.Lanier@et.eurofinsus.com	State of Origin: South Carolina	Page: Page 2 of 5
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Florida; State - South Carolina, State Program ...		Job #: 680-224844-1
Address: 13715 Rider Trail North,	Due Date Requested: 11/16/2022			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: 125916/JM02.59.G01 1/S6502	Project #: 56003190			
Site:	SSOW#:			

Analysis Requested

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

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8020A/FIELD_FLTRD (MOD) Standard List	6020B/3010A_2% (MOD) Single Standard Element	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
AF47621 (680-224844-10)	10/26/22	11:47 Eastern		Water			X	X	2	
AF47630 (680-224844-11)	10/26/22	12:58 Eastern		Water			X	X	2	
AF47628 (680-224844-12)	10/26/22	14:05 Eastern		Water			X	X	2	
AF47629 (680-224844-13)	10/26/22	14:30 Eastern		Water			X	X	2	
AF47627 (680-224844-14)	10/26/22	15:32 Eastern		Water			X	X	2	
AF47626 (680-224844-15)	10/27/22	09:41 Eastern		Water			X	X	2	
AF47625 (680-224844-16)	10/27/22	11:01 Eastern		Water			X	X	2	
AF47624 (680-224844-17)	10/27/22	12:15 Eastern		Water			X	X	2	
AF47623 (680-224844-18)	10/27/22	13:24 Eastern		Water			X	X	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 laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

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

Empty Kit Relinquished by:		Date:	Time:		Method of Shipment:	
Relinquished by:	Date/Time:	Company	Received by: FED EX		Date/Time:	Company
Relinquished by: FED EX	Date/Time:	Company	Received by: [signature]		Date/Time: NOV 0 8 2022 0900 (struck through)	Company: ETASTL
Relinquished by:	Date/Time:	Company	Received by:		Date/Time: 11/9/22 NOV 0 9 2022	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:			

Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912-354-7858 Fax: 912-352-0165

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lanier, Jerry A	Carrier Tracking No(s):	COC No: 860-715911.3
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jerry.Lanier@et.eurofinsus.com	State of Origin: South Carolina	Page: Page 3 of 5
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Florida, State - South Carolina; State Program		Job #: 860-224844-1
Address: 13715 Rider Trail North,	Due Date Requested: 11/16/2022			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: 125915/UM02.09.G01.1:36530	Project #: 68008190			
Site:	SSOW#:			

Analysis Requested

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

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Solid, Waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260A/8260_FLTND (MOD) Standard List	8260B/8260_2% (MOD) Single Standard Element	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
AF47622 (680-224844-19)	10/27/22	14:46 Eastern		Water			X	X	2	
AF47659 (680-224844-20)	10/27/22	15:56 Eastern		Water			X	X	2	
AF47660 (680-224844-21)	10/27/22	18:01 Eastern		Water			X	X	2	
AF47661 (680-224844-22)	10/31/22	10:13 Eastern		Water			X	X	2	
AF47634 (680-224844-23)	10/31/22	11:27 Eastern		Water			X	X	2	
AF47635 (680-224844-24)	10/31/22	11:32 Eastern		Water			X	X	2	
AF47636 (680-224844-25)	10/31/22	12:40 Eastern		Water			X	X	2	
AF47637 (680-224844-26)	10/31/22	13:42 Eastern		Water			X	X	2	
AF47638 (680-224844-27)	10/31/22	14:32 Eastern		Water			X	X	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 laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes in accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

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

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by: FED EX	Date/Time:	Company
Relinquished by: FED EX	Date/Time	Company	Received by:	Date/Time: NOV 08 2022 0900	Company ETAS
Relinquished by	Date/Time	Company	Received by:	Date/Time: NOV 09 2022	Company

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

Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912 354-7858 Fax: 912-352-0165

Chain of Custody Record

eurofins Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM: Lanier, Jerry A	Carrier Tracking No(s):	COC No: 680-715911.4
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jerry.Lanier@et.eurofinsus.com	State of Origin: South Carolina	Page: Page 4 of 5
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Florida, State - South Carolina; State Program ...		Job #: 680-224844-1
Address: 13715 Rider Trail North,	Due Date Requested: 11/16/2022	Analysis Requested		Preservation Codes: A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2S4O3; Q - NaSO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Y - Trizma; Z - other (specify)
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045	PO #:			
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	WO #:			Other:
Email:	Project #: 68008150			
Project Name: 125015/JM02 09.G21 1/30500	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (w=water, s=solid, o=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B/IE_D_F_TRG (MOD) Standard List	8260B/8010A_2% (W,DC) Sample Standard Element	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
AF47643 (680-224844-28)	11/2/22	09:42 Eastern		Water			X	X	2	
AF47644 (680-224844-29)	11/2/22	09:47 Eastern		Water			X	X	2	
AF47651 (680-224844-33)	11/2/22	11:02 Eastern		Water			X	X	2	
AF47655 (680-224844-31)	11/2/22	12:32 Eastern		Water			X	X	2	
AF47662 (680-224844-32)	11/2/22	13:51 Eastern		Water			X	X	2	
AF47663 (680-224844-33)	11/2/22	14:52 Eastern		Water			X	X	2	
AF47658 (680-224844-34)	11/2/22	16:00 Eastern		Water			X	X	2	
AF47639 (680-224844-35)	11/1/22	10:13 Eastern		Water			X	X	2	
AF47645 (680-224844-36)	11/1/22	11:29 Eastern		Water			X	X	2	

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

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ___ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:
Empty Kit Relinquished by:	Date: Time: Method of Shipment:

Relinquished by:	Date/Time:	Company:	Received by: FED EX	Date/Time:	Company:
Relinquished by: FED EX	Date/Time:	Company:	Received by:	Date/Time: NOV 10 2022 0500	Company: ETA STL
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time: NOV 10 2022	Company:

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

Form 8A08/2021

Eurofins Savannah
5102 LaRoche Avenue
Savannah GA 31404
Phone: 912-354-7858 Fax: 912-352-0165

Chain of Custody Record

eurofins Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lanier, Jerry A	Carrier Tracking No(s):	COC No: 680-71591.5
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jerry.Lanier@et.eurofinsus.com	State of Origin: South Carolina	Page: Page 5 of 5
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Florida; State - South Carolina, State Program ...		Job #: 680-224844-1
Address: 13715 Rider Trail North,	Due Date Requested: 11/16/2022			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: 125915/JM02 09 G01 1/36500	Project #: 68008190			
Site:	SSOW#:			

Analysis Requested

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

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020A/FIELD_FLTRD (MOD) Standard List	6020B/Uranium_2% (MOD) Single Standard Element	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X			X	
AF47641 (680-224844-37)	11/1/22	12:28 Eastern		Water			X	X	2	
AF47642 (680-224844-38)	11/1/22	14:06 Eastern		Water			X	X	2	
AF47640 (680-224844-39)	11/1/22	15:15 Eastern		Water			X	X	2	
AF47653 (680-224844-40)	11/3/22	10:02 Eastern		Water			X	X	2	
AF47654 (680-224844-41)	11/3/22	11:04 Eastern		Water			X	X	2	
AF47657 (680-224844-42)	11/3/22	12:20 Eastern		Water			X	X	2	
AF47664 (680-224844-43)	11/3/22	13:44 Eastern		Water			X	X	2	
AF47666 (680-224844-44)	11/3/22	14:49 Eastern		Water			X	X	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 laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification
Unconfirmed

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

Deliverable Requested: I, II, III, IV, Other (specify) — Primary Deliverable Rank: 1

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:	
Relinquished by:	Date/Time:	Company:	Received by: FED EX	Date/Time: 11/4/22	Company:
Relinquished by: FED EX	Date/Time:	Company:	Received by: [signature]	Date/Time: NOV 0 8 2022 0900	Company: ETA STL
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time: NOV 0 9 2022	Company:
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		

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, Corey M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	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	

Login Sample Receipt Checklist

Client: South Carolina Public Service Authority

Job Number: 680-224844-1

Login Number: 224844
List Number: 2
Creator: Bohlmann, Jessica M

List Source: Eurofins St. Louis
List Creation: 11/09/22 12:27 PM

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

Accreditation/Certification Summary

Client: South Carolina Public Service Authority
Job ID: 680-224844-1
Project/Site: 125915/JM02.09.G01.1/36500

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	E87689	06-30-23
HI - RadChem Recognition	State	n/a	06-30-23
Illinois	NELAP	200023	11-30-23
Iowa	State	373	12-01-22
Kansas	NELAP	E-10236	10-31-22 *
Kentucky (DW)	State	KY90125	12-31-22
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-22
Louisiana (All)	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
Missouri	State	780	06-30-25
Nevada	State	MO000542020-1	07-31-23
New Jersey	NELAP	MO002	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
Pennsylvania	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	MO000542021-14	07-31-23
Virginia	NELAP	10310	06-14-24
Washington	State	C592	08-30-23
West Virginia DEP	State	381	12-31-22

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

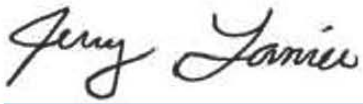
Eurofins Savannah

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



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11/22/2022 6:01:28 PM

Authorized for release by
Jerry Lanier, Project Manager I
Jerry.Lanier@et.eurofinsus.com
(912)250-0281

eurofins | Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Linda Williams
South Carolina Public Service Authority
Santee Cooper
PO BOX 2946101
Moncks Corner, South Carolina 29461-2901

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JOB DESCRIPTION

125915/JM02.08.G01.1/36500

JOB NUMBER

680-227330-1

Eurofins Savannah
5102 LaRoche Avenue
Savannah GA 31404

See page two for job notes and contact information.

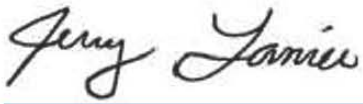
myEOL

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



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Authorized for release by
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Table of Contents

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.

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	EET SAV
6020B	Metals (ICP/MS)	SW846	EET SAV
7470A	Mercury (CVAA)	SW846	EET SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV
7470A	Preparation, Mercury	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

Qualifiers

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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.
¤	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

Detection Summary

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

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	673000		500		ug/L	1		6010D	Total Recoverable
Iron	40600		100		ug/L	1		6010D	Total Recoverable
Barium	45.6		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	7.32		0.500		ug/L	1		6020B	Total Recoverable
Selenium	3.58		2.50		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF50606 — Lab 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 Recoverable
Iron	88800		100		ug/L	1		6010D	Total Recoverable
Barium	273		5.00		ug/L	1		6020B	Total Recoverable
Beryllium	1.99		0.500		ug/L	1		6020B	Total Recoverable
Cobalt	21.1		0.500		ug/L	1		6020B	Total Recoverable
Lead	3.70		2.50		ug/L	1		6020B	Total Recoverable
Nickel	8.37		5.00		ug/L	1		6020B	Total Recoverable
Selenium	4.99		2.50		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF50605 — Lab 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 Recoverable
Iron	83400		100		ug/L	1		6010D	Total Recoverable
Arsenic	96.8		3.00		ug/L	1		6020B	Total Recoverable
Barium	122		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	0.820		0.500		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF50604 — Lab 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 Recoverable
Iron	5760		100		ug/L	1		6010D	Total Recoverable
Arsenic	186		3.00		ug/L	1		6020B	Total Recoverable
Barium	84.5		5.00		ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Client Sample ID: AF50602 — Lab Sample ID: 680-227330-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	108000		500		ug/L	1		6010D	Total Recoverable
Iron	1770		100		ug/L	1		6010D	Total Recoverable
Arsenic	62.1		3.00		ug/L	1		6020B	Total Recoverable
Barium	62.1		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	2.03		0.500		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF50603 — Lab Sample ID: 680-227330-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	106000		500		ug/L	1		6010D	Total Recoverable
Iron	1670		100		ug/L	1		6010D	Total Recoverable
Arsenic	69.0		3.00		ug/L	1		6020B	Total Recoverable
Barium	67.5		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	2.17		0.500		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF50608 — Lab Sample ID: 680-227330-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	303000		500		ug/L	1		6010D	Total Recoverable
Iron	112000		100		ug/L	1		6010D	Total Recoverable
Arsenic	6.11		3.00		ug/L	1		6020B	Total Recoverable
Barium	24.8		5.00		ug/L	1		6020B	Total Recoverable
Beryllium	11.6		0.500		ug/L	1		6020B	Total Recoverable
Cadmium	2.95		0.500		ug/L	1		6020B	Total Recoverable
Cobalt	75.2		0.500		ug/L	1		6020B	Total Recoverable
Lead	47.3		2.50		ug/L	1		6020B	Total Recoverable
Nickel	36.1		5.00		ug/L	1		6020B	Total Recoverable
Selenium	55.8		2.50		ug/L	1		6020B	Total Recoverable
Zinc	55.0		20.0		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF50609 — Lab Sample ID: 680-227330-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	307000		500		ug/L	1		6010D	Total Recoverable
Iron	114000		100		ug/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: AF50609 (Continued)

Lab Sample ID: 680-227330-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	9.23		3.00		ug/L	1		6020B	Total Recoverable
Barium	24.9		5.00		ug/L	1		6020B	Total Recoverable
Beryllium	14.7		0.500		ug/L	1		6020B	Total Recoverable
Cadmium	2.15		0.500		ug/L	1		6020B	Total Recoverable
Cobalt	78.6		0.500		ug/L	1		6020B	Total Recoverable
Lead	48.3		2.50		ug/L	1		6020B	Total Recoverable
Nickel	38.0		5.00		ug/L	1		6020B	Total Recoverable
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	D	Method	Prep Type
Calcium	1620		500		ug/L	1		6010D	Total Recoverable
Iron	2260		100		ug/L	1		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.

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Client Sample ID: AF50607

Date Collected: 12/06/22 10:22
Date Received: 12/09/22 10:00

Lab Sample ID: 680-227330-1

Matrix: Water

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

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	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 14:30	1
Arsenic	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
Nickel	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 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U F1	0.200		ug/L		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

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Client Sample ID: AF50606

Date Collected: 12/06/22 11:34
Date Received: 12/09/22 10:00

Lab Sample ID: 680-227330-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**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

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
Arsenic	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 14:06	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 14:06	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	U	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		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

Client Sample ID: AF50605

Date Collected: 12/06/22 13:25
Date Received: 12/09/22 10:00

Lab Sample ID: 680-227330-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**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 - 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 14:38	1
Arsenic	**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 14:06	12/13/22 14:38	1
Cadmium	0.500	U	0.500		ug/L		12/12/22 14:06	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 14:06	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 - 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 17:50	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Client Sample ID: AF50604

Date Collected: 12/06/22 14:34
Date Received: 12/09/22 10:00

Lab Sample ID: 680-227330-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**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
Arsenic	**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	U	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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**108000**		500		ug/L		12/12/22 14:06	12/13/22 13:59	1
Iron	**1770**		100		ug/L		12/12/22 14:06	12/13/22 13:59	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 14:22	1
Arsenic	**62.1**		3.00		ug/L		12/12/22 14:06	12/13/22 14:22	1
Barium	**62.1**		5.00		ug/L		12/12/22 14:06	12/13/22 14:22	1
Beryllium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:22	1
Cadmium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:22	1
Chromium	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:22	1
Cobalt	**2.03**		0.500		ug/L		12/12/22 14:06	12/13/22 14:22	1
Copper	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:22	1
Lead	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 14:22	1
Nickel	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:22	1
Selenium	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 14:22	1
Thallium	1.00	U	1.00		ug/L		12/12/22 14:06	12/13/22 14:22	1
Zinc	20.0	U	20.0		ug/L		12/12/22 14:06	12/13/22 14:22	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 17:55	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**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 - 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
Arsenic	**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 - 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

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

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

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
Arsenic	**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 14:06	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 14:06	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
Zinc	**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		12/13/22 08:49	12/13/22 18:05	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Client Sample ID: AF50609
Date Collected: 12/07/22 13:47
Date Received: 12/09/22 10:00

Lab Sample ID: 680-227330-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	307000		500		ug/L		12/12/22 14:06	12/13/22 14:17	1
Iron	114000		100		ug/L		12/12/22 14:06	12/13/22 14:17	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 14:41	1
Arsenic	9.23		3.00		ug/L		12/12/22 14:06	12/13/22 14:41	1
Barium	24.9		5.00		ug/L		12/12/22 14:06	12/13/22 14:41	1
Beryllium	14.7		0.500		ug/L		12/12/22 14:06	12/13/22 14:41	1
Cadmium	2.15		0.500		ug/L		12/12/22 14:06	12/13/22 14:41	1
Chromium	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:41	1
Cobalt	78.6		0.500		ug/L		12/12/22 14:06	12/13/22 14:41	1
Copper	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:41	1
Lead	48.3		2.50		ug/L		12/12/22 14:06	12/13/22 14:41	1
Nickel	38.0		5.00		ug/L		12/12/22 14:06	12/13/22 14:41	1
Selenium	56.9		2.50		ug/L		12/12/22 14:06	12/13/22 14:41	1
Thallium	1.00	U	1.00		ug/L		12/12/22 14:06	12/13/22 14:41	1
Zinc	54.7		20.0		ug/L		12/12/22 14:06	12/13/22 14:41	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 18:08	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Client Sample ID: AF50610
Date Collected: 12/07/22 15:03
Date Received: 12/09/22 10:00

Lab Sample ID: 680-227330-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	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 - 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
Arsenic	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	1
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 14:06	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
Nickel	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:44	1
Selenium	2.50	U	2.50		ug/L		12/12/22 14:06	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 - 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

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 680-754738/1-A
Matrix: Water
Analysis Batch: 755000

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 754738

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	500	U	500		ug/L		12/12/22 14:06	12/13/22 13:35	1
Iron	100	U	100		ug/L		12/12/22 14:06	12/13/22 13:35	1

Lab Sample ID: LCS 680-754738/2-A
Matrix: Water
Analysis Batch: 755000

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 754738

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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: MB 680-754740/1-A
Matrix: Water
Analysis Batch: 755052

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 754740

Analyte	MB Result	MB 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	1
Lead	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 13:49	1
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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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		106	80 - 120

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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	100	112.1		ug/L		112	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-754829/12-A
Matrix: Water
Analysis Batch: 755259

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 754829

Analyte	MB Result	MB 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 17:35	1

Lab Sample ID: LCS 680-754829/13-A
Matrix: Water
Analysis Batch: 755259

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 754829

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.50	2.502		ug/L		100	80 - 120

Lab Sample ID: 680-227330-1 MS
Matrix: Water
Analysis Batch: 755259

Client Sample ID: AF50607
Prep Type: Total/NA
Prep Batch: 754829

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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

Client Sample ID: AF50607
Prep Type: Total/NA
Prep Batch: 754829

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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
Analysis Batch: 755259

Client Sample ID: AF50607
Prep Type: Total/NA
Prep Batch: 754829

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.200	U F1	1.00	0.3280	F1	ug/L		33	80 - 120	1	20

Lab Sample ID: 680-227330-1 MSD
Matrix: Water
Analysis Batch: 755260

Client Sample ID: AF50607
Prep Type: Total/NA
Prep Batch: 754829

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.200	U F1	1.00	0.3991	F1	ug/L		40	80 - 120	8	20

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

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

Lab Sample ID: MB 680-756169/1-A
Matrix: Water
Analysis Batch: 756421

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 756169

Analyte	MB Result	MB 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
Matrix: Water
Analysis Batch: 756421

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 756169

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			2.50	2.348		ug/L		94	80 - 120		

Metals

Prep Batch: 754738

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	Total/NA	Water	7470A	
680-227330-2	AF50606	Total/NA	Water	7470A	
680-227330-3	AF50605	Total/NA	Water	7470A	
680-227330-4	AF50604	Total/NA	Water	7470A	
680-227330-5	AF50602	Total/NA	Water	7470A	
680-227330-6	AF50603	Total/NA	Water	7470A	
680-227330-7	AF50608	Total/NA	Water	7470A	
680-227330-8	AF50609	Total/NA	Water	7470A	
680-227330-9	AF50610	Total/NA	Water	7470A	
MB 680-754829/12-A	Method Blank	Total/NA	Water	7470A	
LCS 680-754829/13-A	Lab Control Sample	Total/NA	Water	7470A	
680-227330-1 MS	AF50607	Total/NA	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

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	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-227330-1	AF50607	Total/NA	Water	7470A	
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

Lab Chronicle

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

Date Collected: 12/06/22 10:22
Date Received: 12/09/22 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			754738	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6010D		1	755000	BJB	EET SAV	12/13/22 14:08
Total Recoverable	Prep	3005A			754740	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6020B		1	755052	BWR	EET SAV	12/13/22 14:30
Total/NA	Prep	7470A			756169	BCB	EET SAV	12/20/22 15:23
Total/NA	Analysis	7470A		1	756421	BCB	EET SAV	12/21/22 16:37
Total/NA	Prep	7470A			754829	JKL	EET SAV	12/13/22 08:49
Total/NA	Analysis	7470A		1	755259	JKL	EET SAV	12/13/22 17:40

Client Sample ID: AF50606

Lab Sample ID: 680-227330-2

Date Collected: 12/06/22 11:34
Date Received: 12/09/22 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			754738	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6010D		1	755000	BJB	EET SAV	12/13/22 14:11
Total Recoverable	Prep	3005A			754740	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6020B		1	755052	BWR	EET SAV	12/13/22 14:33
Total/NA	Prep	7470A			754829	JKL	EET SAV	12/13/22 08:49
Total/NA	Analysis	7470A		1	755259	JKL	EET SAV	12/13/22 17:48

Client Sample ID: AF50605

Lab Sample ID: 680-227330-3

Date Collected: 12/06/22 13:25
Date Received: 12/09/22 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			754738	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6010D		1	755000	BJB	EET SAV	12/13/22 14:14
Total Recoverable	Prep	3005A			754740	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6020B		1	755052	BWR	EET SAV	12/13/22 14:38
Total/NA	Prep	7470A			754829	JKL	EET SAV	12/13/22 08:49
Total/NA	Analysis	7470A		1	755259	JKL	EET SAV	12/13/22 17:50

Client Sample ID: AF50604

Lab Sample ID: 680-227330-4

Date Collected: 12/06/22 14:34
Date Received: 12/09/22 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			754738	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6010D		1	755000	BJB	EET SAV	12/13/22 13:50
Total Recoverable	Prep	3005A			754740	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6020B		1	755052	BWR	EET SAV	12/13/22 14:14
Total/NA	Prep	7470A			754829	JKL	EET SAV	12/13/22 08:49
Total/NA	Analysis	7470A		1	755259	JKL	EET SAV	12/13/22 17:53

Lab Chronicle

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Client Sample ID: AF50602

Lab Sample ID: 680-227330-5

Date Collected: 12/07/22 10:07
Date Received: 12/09/22 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			754738	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6010D		1	755000	BJB	EET SAV	12/13/22 13:59
Total Recoverable	Prep	3005A			754740	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6020B		1	755052	BWR	EET SAV	12/13/22 14:22
Total/NA	Prep	7470A			754829	JKL	EET SAV	12/13/22 08:49
Total/NA	Analysis	7470A		1	755259	JKL	EET SAV	12/13/22 17:55

Client Sample ID: AF50603

Lab Sample ID: 680-227330-6

Date Collected: 12/07/22 10:12
Date Received: 12/09/22 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			754738	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6010D		1	755000	BJB	EET SAV	12/13/22 14:02
Total Recoverable	Prep	3005A			754740	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6020B		1	755052	BWR	EET SAV	12/13/22 14:24
Total/NA	Prep	7470A			754829	JKL	EET SAV	12/13/22 08:49
Total/NA	Analysis	7470A		1	755259	JKL	EET SAV	12/13/22 17:58

Client Sample ID: AF50608

Lab Sample ID: 680-227330-7

Date Collected: 12/07/22 13:42
Date Received: 12/09/22 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			754738	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6010D		1	755000	BJB	EET SAV	12/13/22 14:05
Total Recoverable	Prep	3005A			754740	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6020B		1	755052	BWR	EET SAV	12/13/22 14:27
Total/NA	Prep	7470A			754829	JKL	EET SAV	12/13/22 08:49
Total/NA	Analysis	7470A		1	755259	JKL	EET SAV	12/13/22 18:05

Client Sample ID: AF50609

Lab Sample ID: 680-227330-8

Date Collected: 12/07/22 13:47
Date Received: 12/09/22 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			754738	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6010D		1	755000	BJB	EET SAV	12/13/22 14:17
Total Recoverable	Prep	3005A			754740	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6020B		1	755052	BWR	EET SAV	12/13/22 14:41
Total/NA	Prep	7470A			754829	JKL	EET SAV	12/13/22 08:49
Total/NA	Analysis	7470A		1	755259	JKL	EET SAV	12/13/22 18:08

Lab Chronicle

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Client Sample ID: AF50610
Date Collected: 12/07/22 15:03
Date Received: 12/09/22 10:00

Lab Sample ID: 680-227330-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			754738	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6010D		1	755000	BJB	EET SAV	12/13/22 14:20
Total Recoverable	Prep	3005A			754740	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6020B		1	755052	BWR	EET SAV	12/13/22 14:44
Total/NA	Prep	7470A			754829	JKL	EET SAV	12/13/22 08:49
Total/NA	Analysis	7470A		1	755259	JKL	EET SAV	12/13/22 18:11

Laboratory References:

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

Contract Lab Info. TA SAV Contract Lab Due Date (Lab Only). 12 / 16 / 22 Send report to lcwillia@santeecooper.com & sjbrown@santeecooper.com

Chain of Custody

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

Customer Email/Report Recipient: LINDA WILLIAMS @santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / JM02.09.G01.1 / 36500

Rerun request for any flagged QC: (Yes) No

Analysis 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)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	TOTAL METALS -SEE BE LOW			
AF50607	WAP-29	12/6/22	1022	WJK BM	21	P	G	GW	2	6010 Ca; 6020 As Cr Cu Fe Ba Pb Ni Be Sb Zn Cd Se Co Tl	X			
06	WAP 28		1134							Hg-747D				
05	WAP-27		1325											
04	WLF-A2-2		1434											
AF50602	WLF-A2-1	12/7/22	1007											
03	WLF-A2-1 DUP		1012							* SEE SHEET FOR RLs.				
08	CGYP-7		1342											
09	CGYP-7 DUP		1347											
10	CCMAP-8		1503											

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
SJBrown	35594	12/8/22	1500			12/9	10:10
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)
TEMP (°C):_____ Initial:_____
Correct pH: Yes No
Preservative Lot#: 15-1 / 15-1
Date/Time/Init for preservative:

☐ METALS (all)

☐ Ag	☒ Cu	☒ Sb
☐ Al	☒ Fe	☒ Se
☒ As	☐ K	☐ Sn
☐ B	☐ Li	☐ Sr
☒ Ba	☐ Mg	☐ Ti
☒ Be	☐ Mn	☒ Tl
☒ Ca	☐ Mo	☐ V
☒ Cd	☐ Na	☒ Zn
☒ Co	☒ Ni	☒ Hg
☒ Cr	☒ Pb	☐ CrVI

Nutrients
☐ TOC
☐ DOC
☐ TP/TPO4
☐ NH3-N
☐ F
☐ Cl
☐ NO2
☐ Br
☐ NO3
☐ SO4

MISC.
☐ BTEX
☐ Napthalene
☐ THM/HAA
☐ VOC
☐ Oil & Grease
☐ E. Coli
☐ Total Coliform
☐ pH
☐ Dissolved As
☐ Dissolved Fe
☐ Rad 226
☐ Rad 228
☐ PCB

Gypsum
☐ Wallboard
Gypsum(all below)
☐ AIM
☐ TOC
☐ Total metals
☐ Soluble Metals
☐ Purity (CaSO4)
☐ % Moisture
☐ Sulfites
☐ pH
☐ Chlorides
☐ Particle Size
☐ Sulfur

Coal
☐ Ultimate
☐ % Moisture
☐ Ash
☐ Sulfur
☐ BTUs
☐ Volatile Matter
☐ CHN
Other Tests:
☐ XRF Scan
☐ HGI
☐ Fineness
☐ Particulate Matter

Flyash
☐ Ammonia
☐ LOI
☐ % Carbon
☐ Mineral Analysis
☐ Sieve
☐ % Moisture

NPDES
☐ Oil & Grease
☐ As

Oil
☐ Trans. Oil Qual.
☐ %Moisture
☐ Color
☐ Acidity
☐ Dielectric Strength
☐ IFT
☐ Dissolved Gases
Used Oil
☐ Flashpoint
☐ Metals in oil (As,Cd,Cr,Ni,Pb Hg)
☐ TX
GOFER

680-227330 Chain of Custody

Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste wa
C-coal, G-gypsum, FA-flyash, BA-bottom ash, M-misc (describe in comment section)
Preservative code- 1=<4°C 2=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

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

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

Accreditation/Certification Summary

Client: South Carolina Public Service Authority
Job ID: 680-227330-1
Project/Site: 125915/JM02.08.G01.1/36500

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

Field Data Sheets

(Note: color coding is to assist with stabilization of the field parameters prior to sample collection)

Cross Generating Station
Former Gypsum Pond Groundwater Monitoring Wells

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CGYP-7	85.48	10.14	10-20	12/7/2022	1342	23.5
Drawdown:	10.53		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)
1311	21.48	4.07	267	3830	0	1.8
1316	21.66	3.88	304	3810	0	0.62
1321	21.67	3.85	303	3780	0.5	0.41
1326	21.7	3.85	299	3740	0.8	0.34
1331	21.8	3.85	296	3700	0.4	0.28
1336	21.81	3.86	293	3650	0.4	0.25
1339	21.74	3.86	291	3630	0.5	0.26
1342	21.74	3.85	290	3610	0.6	0.26

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:
DUP @ 1347
Samples were collected by Justin Kirk and Marvin Lewis

Cross Generating Station
Former Gypsum Pond Groundwater Monitoring Wells

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CGYP-7	85.48	10.03	10-20	10/26/2022	924	23.51

Drawdown: 10.24 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)
909	22.92	3.56	228	3830	12.4	1.26
914	23.5	3.64	239	3850	12.1	0.96
919	23.85	3.67	238	3880	9.4	0.87
924	24.17	3.69	238	3840	9.1	0.8

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 Marvin Lewis

Cross Generating Station
Former Gypsum Pond Groundwater Monitoring Wells

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CGYP-6	83.23	7.92	9-19	10/25/2022	1140	22.33
Drawdown:	8.29		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)
1112	24.62	3.51	474	2080	2.7	3.39
1117	24.56	3.52	484	2120	1.3	3.21
1122	24.87	3.47	363	3340	0	1.06
1127	24.84	3.51	302	3520	0	0.81
1132	24.82	3.53	285	3520	0	0.73
1137	24.66	3.55	278	3480	0	0.7
1140	24.62	3.56	275	3460	0	0.69

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 Marvin Lewis

Cross Generating Station
Former Gypsum Pond Groundwater Monitoring Wells

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CGYP-4	83.49	7.58	10-20	10/25/2022	1246	22.92
Drawdown:	8.89		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)
1215	25.76	3.02	531	2500	1.8	4.16
1220	25.74	3.27	401	2290	1.6	1.64
1225	25.77	3.63	323	2200	1.5	0.84
1230	25.86	3.68	295	2190	1.1	0.73
1235	25.87	3.67	292	2190	1.2	0.7
1240	25.96	3.68	280	2190	1.2	0.68
1243	26	3.67	281	2190	1	0.66
1246	26.09	3.69	272	2190	1.2	0.64

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 Marvin Lewis

Cross Generating Station
Former Gypsum Pond Groundwater Monitoring Wells

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CGYP-3	83.95	8.3	10-20	10/25/2022	1411	23.13

Drawdown: 8.67 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)
1343	26.47	2.84	442	3460	0.3	1.29
1348	26.5	2.84	442	3480	0.5	0.91
1353	26.56	3.33	352	3590	0	0.81
1358	26.54	3.51	300	3690	0	0.73
1403	26.5	3.55	280	3730	0	0.69
1408	26.55	3.56	274	3760	0	0.66
1411	26.56	3.56	275	3800	0	0.65

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 Marvin Lewis

Cross Generating Station
Former Gypsum Pond Groundwater Monitoring Wells

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CGYP-2	84.88	9.44	8'-18'	10/25/2022	1516	21.49

Drawdown: 9.78 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)
1442	28.15	3.32	380	1680	1.2	1.64
1447	27.84	3.4	369	1570	0.4	0.88
1452	27.57	3.75	326	1500	1.2	0.74
1457	27.38	3.78	280	1520	0.6	0.69
1502	27.25	3.75	283	1550	0.6	0.67
1507	27.19	3.8	294	1560	1	0.64
1510	27.15	3.8	279	1560	1	0.63
1513	27.22	3.8	274	1560	0.9	0.64
1516	27.27	3.8	276	1560	1	0.64

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 @ 1521

Samples were collected by Justin Kirk and Marvin Lewis

Cross Generating Station
Former Gypsum Pond Groundwater Monitoring Wells

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CGYP-1	91.89	16.65	14'-24'	10/26/2022	1030	26.98
Drawdown:	17.06		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)
1010	25.93	4.08	224	2170	8.6	1.71
1015	25.61	4.12	213	2210	5.6	0.95
1020	25.44	4.09	213	2260	4.6	0.77
1025	25.34	4.05	215	2290	3.8	0.71
1030	25.24	4.01	214	2320	3.1	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:

Samples were collected by Justin Kirk and Marvin Lewis

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/

Samples were collected by Justin Kirk and Marvin Lewis

Cross Generating Station
CCR Groundwater Monitoring Wells

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
PM-1	83.24	8.19	4-24	10/25/2022	927	26.34
Drawdown:	8.76		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)
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 Cl, F, SO4, TDS

Comments/Conditions:

Samples were collected by Justin Kirk and Marvin Lewis

Cross Generating Station
Former Gypsum Pond Groundwater Monitoring Wells

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CGYP-6	83.23	8.9	9-19	6/21/2022	1423	27.32

Drawdown: 9.5 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)
1352	27.82	4.24	260	2200	0	1.64
1357	27.41	3.8	265	3370	0	0.6
1402	27.36	3.8	257	3370	0	0.52
1407	28.17	3.82	257	3400	0	0.6
1412	27.71	3.83	263	3320	0	0.62
1417	27.47	3.81	251	3340	0	0.52
1420	27.41	3.82	247	3340	0	0.48
1423	27.42	3.82	246	3340	0	0.46

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

Cross Generating Station
Former Gypsum Pond Groundwater Monitoring Wells

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CGYP-4	83.49	8.32	10-20	6/21/2022	1323	23
Drawdown:	8.69		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)
1255	26.41	4.04	245	2220	0	1.22
1300	25.62	3.92	237	2220	0	1.44
1305	25.37	3.89	235	2220	0	1.55
1310	24.89	3.88	238	2250	0	1.02
1315	24.71	3.88	235	2270	0	0.85
1320	24.72	3.89	232	2270	0	0.78
1323	24.8	3.89	232	2270	0	0.74

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

Cross Generating Station
Former Gypsum Pond Groundwater Monitoring Wells

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CGYP-3	83.95	9.55	10-20	6/21/2022	1231	23.13

Drawdown: 10 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)
1203	29.19	4.11	209	2750	0	3.99
1208	28.58	3.86	223	2890	0	2.98
1213	28.13	3.84	220	3010	1.1	2.64
1218	27.88	3.85	215	3130	3.6	2.41
1223	27.7	3.86	204	3290	3.1	2.2
1228	27.64	3.87	204	3380	0.7	2.03
1231	27.62	3.87	206	3430	0	1.92

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

Cross Generating Station
Former Gypsum Pond Groundwater Monitoring Wells

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CGYP-2	84.88	10.72	8'-18'	6/21/2022	1109	21.95

Drawdown: 10.95 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)
1035	29.97	4.02	239	10	64.9	5.65
1040	29.99	3.92	238	12	75.2	4.36
1045	29.84	3.95	242	13	71.5	4.31
1050	29.75	3.97	246	11	71.3	4.35
1055	29.71	4	238	12	66.4	4.38
1100	29.61	4.01	237	11	64.6	4.31
1103	29.54	4.01	238	12	63.8	4.27
1106	29.44	4.01	242	12	63.6	4.21
1109	29.35	4.01	239	12	63.7	4.16

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 1114

Samples were collected by Trey West and Marvin Lewis

Cross Generating Station
Former Gypsum Pond Groundwater Monitoring Wells

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CGYP-1	91.89	17.74	14'-24'	6/21/2022	1004	26.98

Drawdown: 18.03 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)
930	20.34	4.35	130	16	44.2	9.79
935	20.73	4.3	142	17	56.7	7.33
940	21.41	4.29	148	14	63	6.55
945	22.2	4.31	155	13	71.4	6.05
950	23.04	4.31	153	13	84.1	5.69
955	24.1	4.32	160	14	89.9	5.25
958	24.49	4.31	164	15	90.9	5.12
1001	25.11	4.3	170	15	93.5	4.91
1004	25.63	4.28	172	15	94.8	4.76

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

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	11.6	14-24	6/20/2022	1416
Drawdown:	11.62		depth to GW (ft)		

Time	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (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	1	90.3
1416	26.04	4.45	242	1	90.3

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:

Samples were collected by Trey West and Marvin Lewis

Cross Generating Station
CCR Groundwater Monitoring Wells

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
PM-1	83.24	9	4-24	6/20/2022	1531	26.29
Drawdown:	9.43		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)
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
1520	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

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 Cl, F, SO4, TDS

Comments/Conditions:

Samples were collected by Trey West and Marvin Lewis

Cross Generating Station
Former Gypsum Pond Groundwater Monitoring Wells

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CGYP-6	83.23	7.97	9-19	1/31/2022	1629	22.36
Drawdown:	8.35		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)
1553	20.65	3.82	340	3850	0	0.48
1558	20.77	3.81	332	3880	0	0.37
1603	21.09	3.83	326	3850	0	0.36
1608	21.36	3.87	319	3800	0	0.33
1613	21.55	3.89	309	3710	0	0.31
1618	21.64	3.91	306	3630	0	0.3
1621	21.92	3.93	307	3520	0	0.3
1624	22	3.93	304	3480	0	0.29
1627	21.99	3.93	297	3390	0	0.29

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 Ben Taylor and Brian Brase

Cross Generating Station
Former Gypsum Pond Groundwater Monitoring Wells

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CGYP-4	83.49	7.3	10-20	1/31/2022	1517	23.08
Drawdown:	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)
1449	20.39	3.96	301	2670	13.5	5.68
1454	20.39	3.83	311	2610	0	0.81
1459	20.55	3.87	296	2600	0	0.45
1504	20.61	3.89	289	2600	0	0.4
1509	20.67	3.9	280	2610	0	0.37
1514	20.67	3.91	276	2610	0	0.35
1517	20.72	3.9	275	2610	0	0.35

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 Ben Taylor and Brian Brase

Cross Generating Station
Former Gypsum Pond Groundwater Monitoring Wells

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CGYP-3	83.95	8.09	10-20	1/31/2022	1421	23.16

Drawdown: 8.15 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)
1353	20.6	3.99	281	4430	7.8	1.5
1358	20.27	3.95	281	4470	0	0.61
1403	20.01	3.9	280	4590	0	0.5
1408	19.85	3.87	277	4660	0	0.48
1413	20	3.85	277	4700	0	0.42
1418	19.97	3.85	274	4750	0	0.4
1421	19.96	3.84	273	4760	0	0.39

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 Ben Taylor and Brian Brase

Cross Generating Station
Former Gypsum Pond Groundwater Monitoring Wells

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CGYP-2	84.88	9.4	8'-18'	1/31/2021	1242	21.51

Drawdown: 9.75 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)
1217	21.36	4.26	245	1720	21.8	2.39
1222	21.09	4.11	262	1660	1.2	0.69
1227	20.63	4.03	263	1670	0	0.49
1232	20.52	4.01	263	1670	0	0.4
1237	20.53	3.97	263	1670	0	0.37
1242	20.43	3.96	264	1670	0	0.35

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 1247

Samples were collected by Ben Taylor and Brian Brase

Cross Generating Station
Former Gypsum Pond Groundwater Monitoring Wells

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CGYP-1	91.89	17.86	14'-24'	1/31/2022	1150	27

Drawdown: 17.15 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)
1116	18.33	4.65	168	3020	20.3	1.75
1121	18.19	4.37	224	2990	0	1
1126	18.4	4.23	236	3010	0	0.71
1131	18.83	4.18	235	3030	0	0.56
1136	19.16	4.2	234	3030	0	0.53
1141	19.52	4.16	233	3030	0	0.4
1144	19.8	4.19	229	3020	0	0.45
1147	19.89	4.19	229	3020	0	0.44
1150	20.13	4.21	224	3010	0	0.41

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 Ben Taylor and Brian Brase

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:

Samples were collected by Ben Taylor and Brian Brase

Cross Generating Station
CCR Groundwater Monitoring Wells

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well 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 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 Ben Taylor and Brian Brase

Appendix C – Well Installation Record

Save | Reset | Home | ? (These Buttons Do Not Print)

DHEC — PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: SANTEE COOPER (last) (first)
Address: ONE RIVERWOOD DRIVE
City: MONCKS CORNER State: SC Zip: 29461
Telephone: Work: Home:

2. LOCATION OF WELL: SC **COUNTY:** BERKELEY
Name: CROSS GENERATING STATION
Street Address: 553 CROSS STATION ROAD
City: PINEVILLE Zip: 29468
Latitude: 33° 23' 10.94" Longitude: 80° 06' 56.66"

3. PUBLIC SYSTEM NAME: CGYP-7 **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☐ Yes ☑ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
TOPSOIL	1.0	1.0
TAN SILTY CLAY	9.0	10.0
BROWN SILTY SAND	10.0	20.0
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
BENTONITE SEAL 6.0 - 8.0 FEET

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other AUGER

7. PERMIT NUMBER:

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 20.0 ft. Date Started: 09/16/22 Date Completed: 09/16/22

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2 INCH
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
2.0 in. to 10.0 ft. depth
_____ in. to _____ ft. depth
Height: Above ☐ Below ☐
Surface 2.5 ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: SCH 40 PVC Diam.: 2 INCH
Slot/Gauge: .010 Length: 10.0 FEET
Set Between: 10.0 ft. and 20.0 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL 10.0 ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
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 8.0 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
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) 176 COMMERCE BLVD STATESVILLE, NC 28625
Level: A B C D (circle one) ☐ ☐ ☐ ☐
Telephone No.: 704-872-7686 Fax No.: 704-872-0248

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.

Signed: _____ (Well Driller) Date: 09/22/22

If D Level Driller, provide supervising driller's name:

DHEC 1903 (07/2003)

COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

Save | Reset | Home | ? (These Buttons Do Not Print)

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: Santee Cooper (last) (first)
Address: 1 Riverwood Dr
City: Moncks Corner State: SC Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: **COUNTY:** Berkeley
Name: Cross Generating Station
Street Address: Cross Sta Rd
City: Pineville Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:** 03366

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
see Geologist Logs		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
CGS PZ-1

6. TYPE: ☐ Mud Rotary ☐ Jetted ☑ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER: SC0037401

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 20' ft. Date Started: 11/28/22 Date Completed: 11/29/22

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
2" in. to 10' ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010" Length: 10'
Set Between: 10' ft. and 20' ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
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
Telephone No.: 803-351-7936 Fax No.:

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.

Signed: _____ Date: 12/29/22
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: Santee Cooper (last) (first)
Address: 1 Riverwood Dr
City: Moncks Corner State: SC Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: **COUNTY:** Berkeley
Name: Cross Generating Station
Street Address: Cross Sta Rd
City: Pineville Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:** 03366

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
see Geologist Logs		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
CGS PZ-2

6. TYPE: ☐ Mud Rotary ☐ Jetted ☑ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER: SC0037401

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 20' ft. Date Started: 11/28/22 Date Completed: 11/29/22

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
2" in. to 10' ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010" Length: 10'
Set Between: 10' ft. and 20' ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
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
Telephone No.: 803-351-7936 Fax No.:

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.

Signed: _____ Date: 12/29/22
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: Santee Cooper (last) (first)
Address: 1 Riverwood Dr
City: Moncks Corner State: SC Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: **COUNTY:** Berkeley
Name: Cross Generating Station
Street Address: Cross Sta Rd
City: Pineville Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:** 03366

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
see Geologist Logs		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
CGS PZ-3

6. TYPE: ☐ Mud Rotary ☐ Jetted ☑ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER: SC0037401

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 20' ft. Date Started: 11/28/22 Date Completed: 11/29/22

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
2" in. to 10' ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010" Length: 10'
Set Between: 10' ft. and 20' ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
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
Telephone No.: 803-351-7936 Fax No.:

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.

Signed: _____ Date: 12/29/22
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER